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End Date: FY 98
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4. Phase:
5. Program NO: 37
6. Survey Type: HAZARDOUS WASTE STUDY
7. INSTALLATION OR SOURCE OF INFORMATION (CITY & STATE OR COUNTY ARE ESSENTIAL)
HS - USA HEALTH SERVICES COMMAND
8. Authors:
9. ARLOC/Activity: 11933 001 - WALTER REED AMC
Location: WASHINGTON
State: DC
10. Project Control Number: 37-EF-6209-98
11. Title: WRAIR CHEMICAL DECOMMISSIONING, BUILDING 500 PHASE 1
PILOT PROJECT, WRAMC, FOREST GLEN CAMPUS, 1-5 DECEMBER 1997
VOLUME II
12. DSA:

U.S. Army Center for Health Promotion and Preventive Medicine

HAZARDOUS WASTE STUDY NO. 37-EF-6209-98
WRAIR CHEMICAL DECOMMISSIONING
BUILDING 500 PHASE I PILOT PROJECT
WALTER REED ARMY MEDICAL CENTER
FOREST GLEN CAMPUS
1-5 DECEMBER 1997

VOLUME II

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Requests for this document must be referred to Commander,
Walter Reed Army Institute of Research, Washington, DC
20307-5100.



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Readiness Thru Health

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ANALYSIS REPORT
A980105-1

U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
BUILDING E2100
ABERDEEN PROVING GROUND, MARYLAND 21010

ANALYTICAL SPECTROMETRY DIVISION

Installation: WALTER REED AMC

Project Number: 37-21-6209

Job Number: 7A8571

06 JAN 98

Number of Samples: 76

Matrix: WIPE & BULK

Analyzed for: As, Ba, Cd, Cr, Pb, Hg, Se, & Ag

Method(s): In-House Procedure (CEM Prep for Wipes),
EPA Procedures 3050A, 6020, 7060, 6010A, 7421, & 7471A

LAB NUMBER(S): E9730 - E9805

QC Coordinator:

Jennifer Seeger

Date:

06 Jan 98

Primary Reviewer:

Lillian S. Bryan

Date:

06 Jan 98

Secondary Reviewer:

David A. Lorch

Date:

6 Jan 98

Release Authorized by:
Division Chief

Ohl Epy

Date:

6 Jan 98

CASE NARRATIVE REPORT

Installation: WALTER REED AMC

Project Number: 7A8571, 37-21-6209

Project Officer: J. Sheehy

- Ten bulk and 66 wipe samples were received on 8 Dec 97 for analysis of 8 metals.
- The bulk samples were prepared for analysis using EPA Method No. 3050A. The preparation for the wipes was performed by an in-house CEM procedure for wipes.
- All 8 metals on the wipe samples were measured by EPA 6020. For the bulk samples: mercury, arsenic, and lead were determined respectively by EPA Method Nos. 7471A, 7060, and 7421. The rest of the metals were determined by EPA 6010A.
- All QC values were within acceptable limits except for one pre-digestion bulk spike for silver and cadmium. However, the sample results for these two metals are considered reliable based on other QC data.
- The metals' reporting units for the bulk samples are mg/Kg calculated on a dry weight basis; the reporting units for the wipe samples are ug/wipe.

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Date: 06-Jan-98 08:06

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U.S. Army Center for Health Promotion and Preventive Medicine

Directorate of Laboratory Sciences (DLS)

5158 Blackhawk Road

Aberdeen Proving Ground, Maryland 21010-5422

(410) 671-2208 DSN 584-2208 FAX (410) 671-4108

Analytical Spectrometry Division

Analytical Results - Final Report

CLIENT: JAMES SHEEHY

HMWP

BLDG E1677

APG-EA, MD 21010-5422

Client Phone: 5-3651

Project Site: WALTER REED AMC

Project #: 37-21-6209

DLS Job #: 7A8571 *7A8571*

This report shall not be reproduced except in full without the written approval of DLS. The results relate only to the specific samples identified within the report.

REPORT RELEASE AUTHORIZATION:

Signature:

Dr. Charles Stoner

Chief, Analytical Spectrometry Division

6 Jan 98

Date _____

Sample Section

Field ID	Sample	Collected	Matrix
WR-621	E9730	03-Dec-97	BK
WR-631	E9731	03-Dec-97	MS
WR-632	E9732	03-Dec-97	MS
WR-633	E9733	03-Dec-97	MS
WR-634	E9734	03-Dec-97	MS
WR-635	E9735	04-Dec-97	MS
WR-636	E9736	04-Dec-97	MS
WR-637	E9737	04-Dec-97	MS
WR-63A1	E9738	03-Dec-97	MS
WR-641	E9739	03-Dec-97	MS
WR-661	E9740	04-Dec-97	MS
WR-662	E9741	04-Dec-97	MS
WR-663	E9742	04-Dec-97	MS
WR-664	E9743	04-Dec-97	MS
WR-665	E9744	04-Dec-97	MS
WR-667	E9745	04-Dec-97	MS
WR-671	E9746	04-Dec-97	MS
WR-672	E9747	04-Dec-97	MS
WR-673	E9748	04-Dec-97	MS
WR-674	E9749	04-Dec-97	MS
WR-675	E9750	04-Dec-97	MS
WR-676	E9751	04-Dec-97	MS
WR-677	E9752	04-Dec-97	MS
WR-691	E9753	04-Dec-97	MS
WR-692	E9754	04-Dec-97	MS
WR-69A1	E9755	04-Dec-97	MS
WR-69A2	E9756	04-Dec-97	MS
WR-69A3	E9757	04-Dec-97	MS
WR-69A4	E9758	04-Dec-97	MS
WR-69A5	E9759	04-Dec-97	MS
WR-69A6	E9760	04-Dec-97	MS
WR-711	E9761	04-Dec-97	MS
WR-712	E9762	04-Dec-97	MS
WR-713	E9763	04-Dec-97	BK
WR-714	E9764	04-Dec-97	MS
WR-715	E9765	04-Dec-97	MS
WR-716	E9766	04-Dec-97	BK
WR-721	E9767	04-Dec-97	MS
WR-722	E9768	04-Dec-97	MS
WR-723	E9769	04-Dec-97	MS
WR-724	E9770	04-Dec-97	MS
WR-725	E9771	04-Dec-97	MS
WR-726	E9772	04-Dec-97	MS
WR-727	E9773	04-Dec-97	MS
WR-72A1	E9774	04-Dec-97	MS

Sample Section

Field ID	Sample	Collected	Matrix
WR-72A3	E9775	04-Dec-97	MS
WR-72A2	E9776	04-Dec-97	MS
WR-741	E9777	03-Dec-97	MS
WR-742	E9778	03-Dec-97	MS
WR-743	E9779	03-Dec-97	MS
WR-744	E9780	03-Dec-97	BK
WR-745	E9781	03-Dec-97	MS
WR-761	E9782	04-Dec-97	MS
WR-762	E9783	04-Dec-97	MS
WR-763	E9784	04-Dec-97	MS
WR-764	E9785	04-Dec-97	MS
WR-765	E9786	04-Dec-97	MS
WR-766	E9787	04-Dec-97	BK
WR-767	E9788	04-Dec-97	BK
WR-768	E9789	04-Dec-97	MS
WR-769	E9790	04-Dec-97	MS
WR-7610	E9791	04-Dec-97	MS
WR-H1	E9792	03-Dec-97	MS
WR-H2	E9793	03-Dec-97	MS
WR-CR1	E9794	03-Dec-97	MS
WR-CR2	E9795	03-Dec-97	MS
WR-CR3	E9796	03-Dec-97	MS
WR-CR4	E9797	03-Dec-97	MS
WR-CR5	E9798	03-Dec-97	BK
WR-CR6	E9799	04-Dec-97	BK
WR-CR7	E9800	04-Dec-97	BK
WR-CR8	E9801	04-Dec-97	BK
WR-CR9	E9802	04-Dec-97	MS
WR-638	E9803	03-Dec-97	MS
WR-639	E9804	03-Dec-97	MS
WR-72A4	E9805	04-Dec-97	MS

** Analytical Results - Final Customer Report **

DLS Job# : 7A8571
Reviewing Laboratory : All Teams Reviewing Data
Analytical Laboratory: MET - ASD Metals Team
Date Released : 06-JAN-98
Generated by : drosak

DLS Sample # E9730
Field ID # WR-621
Sample Description: Bulk (liquid, asbestos, wood)

Date Sampled: 03-Dec-97 14:45
Date Received: 05-Dec-97 00:00

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<48	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.02	g	
ICP WEIGHT		1.00	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Percent Solids		83.8	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.4	mg/Kg	

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		1.6	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		42	mg/Kg	

**** Analytical Results - Final Customer Report ****

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Cadmium	5.5	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Chromium	<6.0	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421

Analyst: LM

Date Analyzed: 19-DEC-97

Analyte	Concentration	Units	Qualifier
Lead	5.4	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.098	mg/Kg	

DLS Sample # E9731

Date Sampled: 03-Dec-97 16:45

Field ID # WR-631

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.51	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		3.6	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		11	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9732

Date Sampled: 03-Dec-97 16:55

Field ID #: WR-632

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.43	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		2.0	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

40

ug/wipe

DLS Sample #: E9733

Date Sampled: 03-Dec-97 17:05

Field ID #: WR-633

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

0.62

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

26

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

**** Analytical Results - Final Customer Report ****

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	2.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9734

Date Sampled: 03-Dec-97 17:15

Field ID # WR-634

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		1.4	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9735
Field ID #: WR-635
Sample Description: Miscellaneous

Date Sampled: 04-Dec-97 17:25
Date Received: 05-Dec-97 00:00

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		<1.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		<1.0	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample #: E9736
 Field ID #: WR-636
 Sample Description: Miscellaneous

Date Sampled: 04-Dec-97 17:35
 Date Received: 05-Dec-97 00:00

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		<0.20	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		<1.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9737

Date Sampled: 04-Dec-97 09:40

Field ID # WR-637

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.26	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	21	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		2.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9738

Date Sampled: 03-Dec-97 15:00

Field ID # WR-63A1

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

**** Analytical Results - Final Customer Report ****

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9739

Date Sampled: 03-Dec-97 17:20

Field ID #: WR-641

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		1.6	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		6.5	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

<2.0

ug/wipe

DLS Sample # E9740

Date Sampled: 04-Dec-97 10:00

Field ID # WR-661

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

<0.20

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

15

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		4.8	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		31	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9741

Date Sampled: 04-Dec-97 10:00

Field ID #: WR-662

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	14	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	5.8	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9742

Date Sampled: 04-Dec-97 10:00

Field ID #: WR-663

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier

Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Lead		1.4	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Silver		<2.0	ug/wipe	

DLS Sample #: E9743
 Field ID #: WR-664
 Sample Description: Miscellaneous

Date Sampled: 04-Dec-97 10:00
 Date Received: 05-Dec-97 00:00

**** Analytical Results - Final Customer Report ****

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier

Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		<1.0	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample #: E9744

Date Sampled: 04-Dec-97 10:00

Field ID #: WR-665

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		<0.20	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		18	ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		40	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		16	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample # E9745

Date Sampled: 04-Dec-97 10:00

Field ID # WR-667

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		2.0	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		11	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		15	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		8.3	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		280	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9746

Date Sampled: 04-Dec-97 10:30

Field ID #: WR-671

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		0.28	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		5.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		3.2	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		12	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

<2.0

ug/wipe

DLS Sample # : E9747

Date Sampled: 04-Dec-97 10:30

Field ID # : WR-672

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

<0.20

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

<1.5

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.5	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9748

Date Sampled: 04-Dec-97 10:30

Field ID #: WR-673

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		2.0	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9749

Date Sampled: 04-Dec-97 10:30

Field ID #: WR-674

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	2.0	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	1.3	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9750

Date Sampled: 04-Dec-97 10:30

Field ID # WR-675

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier

Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

**** Analytical Results - Final Customer Report ****

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9751

Date Sampled: 04-Dec-97 10:30

Field ID # WR-676

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9752

Date Sampled: 04-Dec-97 10:30

Field ID #: WR-677

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.25	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		98	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		35	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample #: E9753

Date Sampled: 04-Dec-97 11:00

Field ID #: WR-691

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.99	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		3.6	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		1.3	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.1	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9754

Date Sampled: 04-Dec-97 11:00

Field ID #: WR-692

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9755

Date Sampled: 04-Dec-97 11:30

Field ID # WR-69A1

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.27	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	6.7	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	4.1	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9756

Date Sampled: 04-Dec-97 11:30

Field ID #: WR-69A2

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		<1.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		10	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample # E9757

Date Sampled: 04-Dec-97 11:30

Field ID # WR-69A3

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Mercury		0.29	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.9	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9758

Date Sampled: 04-Dec-97 11:30

Field ID #: WR-69A4

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9759

Date Sampled: 04-Dec-97 11:30

Field ID # WR-69A5

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.28	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9760

Date Sampled: 04-Dec-97 11:30

Field ID #: WR-69A6

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9761

Date Sampled: 04-Dec-97 13:45

Field ID #: WR-711

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9762

Date Sampled: 04-Dec-97 13:45

Field ID #: WR-712

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9763

Date Sampled: 04-Dec-97 13:45

Field ID # WR-713

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<40	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.04	g	
ICP WEIGHT		1.01	g	

** Analytical Results - Final Customer Report **

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Percent Solids		99.6	% Solid

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	mg/Kg

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		1.1	mg/Kg

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		32	mg/Kg

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.0	mg/Kg

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		7.5	mg/Kg

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		3.9	mg/Kg

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte

Concentration

Units

Qualifier

Mercury

0.13

mg/Kg

DLS Sample # E9764

Date Sampled: 04-Dec-97 13:45

Field ID # WR-714

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

<0.20

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

<1.5

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

**** Analytical Results - Final Customer Report ****

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		<1.0	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample # E9765

Date Sampled: 04-Dec-97 13:45

Field ID # WR-715

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		<0.20	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9766

Date Sampled: 04-Dec-97 13:45

Field ID # WR-716

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<40	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.01	g	
ICP WEIGHT		1.01	g	

** Analytical Results - Final Customer Report **

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Percent Solids		99.5	% Solid

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	mg/Kg

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		1.3	mg/Kg

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		33	mg/Kg

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.0	mg/Kg

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		8.7	mg/Kg

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		4.2	mg/Kg

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte

Concentration

Units

Qualifier

Mercury

0.12

mg/Kg

DLS Sample #: E9767

Date Sampled: 04-Dec-97 14:30

Field ID #: WR-721

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

0.25

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

2.0

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Chromium

<1.0

ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Lead

3.1

ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

<2.0

ug/wipe

DLS Sample #: E9768

Date Sampled: 04-Dec-97 14:30

Field ID #: WR-722

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

<0.20

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		2.0	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9769

Date Sampled: 04-Dec-97 14:30

Field ID # WR-723

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9770

Date Sampled: 04-Dec-97 14:30

Field ID # WR-724

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Selenium			<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Mercury			<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
CEM-WIPES	DGG	09-DEC-97			
Analyte					
Procedure has been completed			100	mL	

Procedure: 770 - Arsenic (As)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Arsenic			<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Barium			<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Cadmium			<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					
Chromium			<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method	Analyst	Date Analyzed	Concentration	Units	Qualifier
EPA 6020	SDN	29-JUL-97			
Analyte					

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9771

Date Sampled: 04-Dec-97 14:30

Field ID #: WR-725

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Silver	<2.0	ug/wipe	

DLS Sample #: E9772

Date Sampled: 04-Dec-97 14:30

Field ID #: WR-726

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Procedure has been completed	100	mL	

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		3.6	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		5.5	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		120	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample #: E9773

Date Sampled: 04-Dec-97 14:30

Field ID #: WR-727

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		<0.20	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		<1.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		1.2	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9774

Date Sampled: 04-Dec-97 15:00

Field ID # WR-72A1

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.36	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	3.6	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		1.5	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		120	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample # E9775

Date Sampled: 04-Dec-97 15:00

Field ID # WR-72A3

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		<0.20	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9776

Date Sampled: 04-Dec-97 15:00

Field ID #: WR-72A2

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.36	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Barium	11	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Cadmium	6.4	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Chromium	1.6	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Lead	4.1	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Silver	<2.0	ug/wipe	

DLS Sample #: E9777
 Field ID #: WR-741
 Sample Description: Miscellaneous

Date Sampled: 03-Dec-97 13:45
 Date Received: 05-Dec-97 00:00

**** Analytical Results - Final Customer Report ****

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Mercury		140	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier

Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Barium		3.7	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

Chromium		1.2	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		9.2	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9778

Date Sampled: 03-Dec-97 14:00

Field ID # WR-742

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.22	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		3.4	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		1.6	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9779

Date Sampled: 03-Dec-97 14:05

Field ID #: WR-743

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9780

Date Sampled: 03-Dec-97 00:00

Field ID #: WR-744

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<47	mg/Kg	

** Analytical Results - Final Customer Report **

Procedure: 1288 - Prep. Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
GFAA WEIGHT	1.02	g	
ICP WEIGHT	1.00	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Percent Solids	84.6	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Silver	<2.4	mg/Kg	

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Arsenic	1.5	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Barium	41	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Cadmium	<2.4	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Chromium	5.9	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97	

** Analytical Results - Final Customer Report **

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		2.9	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.12	mg/Kg	

DLS Sample #: E9781

Date Sampled: 03-Dec-97 14:30

Field ID #: WR-745

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.22	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		<1.0	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		<1.0	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<2.0	ug/wipe

DLS Sample #: E9782

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-761

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Selenium		<4.0	ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		4.0	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

** Analytical Results - Final Customer Report **

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		3.4	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		14	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9783

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-762

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		150	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		10	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		3.7	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		290	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	2.3	ug/wipe	

DLS Sample # E9784

Date Sampled: 04-Dec-97 16:30

Field ID # WR-763

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.30	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Lead	2.6	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Silver	<2.0	ug/wipe	

DLS Sample #: E9785

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-764

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Arsenic	<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		2.3	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9786

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-765

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		1.2	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9787

Field ID # WR-766

Sample Description: Bulk (liquid, asbestos, wood)

Date Sampled: 04-Dec-97 16:30

Date Received: 05-Dec-97 00:00

** Analytical Results - Final Customer Report **

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<40	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.01	g	
ICP WEIGHT		1.01	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Percent Solids		99.5	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	mg/Kg	

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		1.5	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		37	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.0	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		

** Analytical Results - Final Customer Report **

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		6.6	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		4.7	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.66	mg/Kg	

DLS Sample #: E9788

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-767

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<40	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.01	g	
ICP WEIGHT		1.01	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Percent Solids		99.5	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	mg/Kg	

** Analytical Results - Final Customer Report **

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		1.3	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		33	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.0	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		6.5	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		4.3	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.52	mg/Kg	

DLS Sample #: E9789

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-768

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Mercury		0.47	ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Procedure has been completed		100	mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		<4.0	ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		<1.5	ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<2.5	ug/wipe

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		12	ug/wipe

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		36	ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		22	ug/wipe	

DLS Sample # E9790

Date Sampled: 04-Dec-97 16:30

Field ID # WR-769

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		2.1	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		9.8	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		160	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		17	ug/wipe	

DLS Sample #: E9791

Date Sampled: 04-Dec-97 16:30

Field ID #: WR-7610

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		3.2	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9792

Date Sampled: 03-Dec-97 17:30

Field ID #: WR-H1

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		2.9	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	3.2	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	20	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9793

Date Sampled: 03-Dec-97 17:40

Field ID # WR-H2

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.36	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

**** Analytical Results - Final Customer Report ****

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9794

Date Sampled: 03-Dec-97 15:30

Field ID # WR-CR1

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	69	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		5.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9795

Date Sampled: 03-Dec-97 15:40

Field ID #: WR-CR2

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.24	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

**** Analytical Results - Final Customer Report ****

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	1.4	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9796

Date Sampled: 03-Dec-97 15:50

Field ID # WR-CR3

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.47	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		170	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		9.3	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

<2.0

ug/wipe

DLS Sample # E9797

Date Sampled: 03-Dec-97 15:00

Field ID # WR-CR4

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Selenium

<4.0

ug/wipe

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Mercury

24

ug/wipe

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte

Concentration

Units

Qualifier

Procedure has been completed

100

mL

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Arsenic

<4.0

ug/wipe

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Barium

<1.5

ug/wipe

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Cadmium

<2.5

ug/wipe

** Analytical Results - Final Customer Report **

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		1.8	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample # E9798

Date Sampled: 03-Dec-97 16:15

Field ID # WR-CR5

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<41	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.03	g	
ICP WEIGHT		1.01	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Percent Solids		96.7	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	mg/Kg	

** Analytical Results - Final Customer Report **

Procedure: 722 - Arsenic (As)

Method : EPA 7060

Analyst: LM

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Arsenic	2.8	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Barium	58	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.0	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Chromium	17	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421

Analyst: LM

Date Analyzed: 19-DEC-97

Analyte	Concentration	Units	Qualifier
Lead	20	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Mercury	0.47	mg/Kg	

DLS Sample #: E9799

Date Sampled: 04-Dec-97 09:00

Field ID #: WR-CR6

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Selenium	<40	mg/Kg	

** Analytical Results - Final Customer Report **

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
GFAA WEIGHT	1.02	g	
ICP WEIGHT	1.03	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Percent Solids	97.0	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Silver	<2.0	mg/Kg	

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Arsenic	2.7	mg/Kg	

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Barium	61	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Cadmium	<2.0	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte	Concentration	Units	Qualifier
-----	-----	-----	-----
Chromium	16	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97	

** Analytical Results - Final Customer Report **

Procedure: 739 - Lead (Pb)

Method : EPA 7421

Analyst: LM

Date Analyzed: 19-DEC-97

Analyte	Concentration	Units	Qualifier
Lead	17	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.095	mg/Kg	

DLS Sample # E9800

Date Sampled: 04-Dec-97 09:30

Field ID # WR-CR7

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Selenium	<44	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A

Analyst: PSCHROED

Date Analyzed: 10-DEC-97

Analyte	Concentration	Units	Qualifier
GFAA WEIGHT	1.01	g	
ICP WEIGHT	1.00	g	

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP

Analyst: PSCHROED

Date Analyzed: 10-DEC-97

Analyte	Concentration	Units	Qualifier
Percent Solids	91.8	% Solid	

Procedure: 718 - Silver (Ag)

Method : EPA 6010A

Analyst: RAS

Date Analyzed: 22-DEC-97

Analyte	Concentration	Units	Qualifier
Silver	<2.2	mg/Kg	

Procedure: 722 - Arsenic (As)

Method : EPA 7060

Analyst: LM

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Arsenic	3.3	mg/Kg	

** Analytical Results - Final Customer Report **

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		60	mg/Kg	

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.2	mg/Kg	

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		17	mg/Kg	

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		14	mg/Kg	

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: BFG	Date Analyzed: 16-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		<0.11	mg/Kg	

DLS Sample #: E9801

Date Sampled: 04-Dec-97 09:00

Field ID #: WR-CR8

Date Received: 05-Dec-97 00:00

Sample Description: Bulk (liquid, asbestos, wood)

Procedure: 1130 - Selenium (Se)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<37	mg/Kg	

Procedure: 1288 - Prep, Soils, Metals Analysis SW-846 (Hotplate)

Method : EPA 3050A	Analyst: PSCHROED	Date Analyzed: 10-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
GFAA WEIGHT		1.01	g	
ICP WEIGHT		1.10	g	

** Analytical Results - Final Customer Report **

Procedure: 696 - Prep, Percent Solids

Method : EPA CLP	Analyst: PSCHROED	Date Analyzed: 10-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Percent Solids		97.0	% Solid

Procedure: 718 - Silver (Ag)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Silver		<1.9	mg/Kg

Procedure: 722 - Arsenic (As)

Method : EPA 7060	Analyst: LM	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Arsenic		2.9	mg/Kg

Procedure: 725 - Barium (Ba)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Barium		55	mg/Kg

Procedure: 729 - Cadmium (Cd)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Cadmium		<1.9	mg/Kg

Procedure: 732 - Chromium (Cr)

Method : EPA 6010A	Analyst: RAS	Date Analyzed: 22-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Chromium		15	mg/Kg

Procedure: 739 - Lead (Pb)

Method : EPA 7421	Analyst: LM	Date Analyzed: 19-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----
Lead		17	mg/Kg

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A	Analyst: EFG	Date Analyzed: 16-DEC-97	
Analyte		Concentration	Units Qualifier
-----		-----	-----

** Analytical Results - Final Customer Report **

Procedure: 742 - Mercury (Hg)

Method : EPA 7471A

Analyst: EFG

Date Analyzed: 16-DEC-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.10	mg/Kg	

DLS Sample #: E9802

Date Sampled: 04-Dec-97 15:40

Field ID #: WR-CR9

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	0.55	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	<1.0	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample # E9803

Date Sampled: 03-Dec-97 17:10

Field ID # WR-638

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Selenium	<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Mercury	<0.20	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

** Analytical Results - Final Customer Report **

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Lead		2.2	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Silver		<2.0	ug/wipe	

DLS Sample #: E9804

Date Sampled: 03-Dec-97 17:15

Field ID #: WR-639

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		170	ug/wipe	

**** Analytical Results - Final Customer Report ****

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES

Analyst: DGG

Date Analyzed: 09-DEC-97

Analyte	Concentration	Units	Qualifier
Procedure has been completed	100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Arsenic	<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Barium	3.1	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Cadmium	<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Chromium	<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Lead	1.6	ug/wipe	

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte	Concentration	Units	Qualifier
Silver	<2.0	ug/wipe	

DLS Sample #: E9805

Date Sampled: 04-Dec-97 15:00

Field ID #: WR-72A4

Date Received: 05-Dec-97 00:00

Sample Description: Miscellaneous

** Analytical Results - Final Customer Report **

Procedure: 1094 - Selenium (Se)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Selenium		<4.0	ug/wipe	

Procedure: 1114 - Mercury (Hg)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Mercury		0.48	ug/wipe	

Procedure: 1397 - Prep, Wipes, Microwave (incl. Hg)

Method : CEM-WIPES	Analyst: DGG	Date Analyzed: 09-DEC-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Procedure has been completed		100	mL	

Procedure: 770 - Arsenic (As)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Arsenic		<4.0	ug/wipe	

Procedure: 771 - Barium (Ba)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Barium		<1.5	ug/wipe	

Procedure: 773 - Cadmium (Cd)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Cadmium		<2.5	ug/wipe	

Procedure: 774 - Chromium (Cr)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----
Chromium		<1.0	ug/wipe	

Procedure: 777 - Lead (Pb)

Method : EPA 6020	Analyst: SDN	Date Analyzed: 29-JUL-97		
Analyte		Concentration	Units	Qualifier
-----		-----	-----	-----

** Analytical Results - Final Customer Report **

Procedure: 777 - Lead (Pb)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Lead

4.1

ug/wipe

Procedure: 780 - Silver (Ag)

Method : EPA 6020

Analyst: SDN

Date Analyzed: 29-JUL-97

Analyte

Concentration

Units

Qualifier

Silver

<2.0

ug/wipe

U.S. Army Center for Health Promotion and Preventive Medicine
Directorate of Laboratory Sciences
Aberdeen Proving Ground, MD 21010-5422

Quality Control Report

DLS JOB#: 7A8571

Installation: WALTER REED AMC

Project Officer JAMES SHEEHY

Project #: 37-21-6209

1/5/98 2:33:35 PM

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED *Ame*

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
AG	29-Dec-97	97ASD 4-251	MS	9.02	12.5	ug/L	72.2	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-251	MS	36.4	50	ug/L	72.8	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-251	MS	54.1	50	ug/L	108.2	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-251	MS	34.7	50	ug/L	69.4	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-251	MS	42.8	50	ug/L	85.6	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-251	MS	5.73	5	ug/L	114.6	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-251	MS	50.9	50	ug/L	101.8	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-251	MS	37.8	50	ug/L	75.6	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-252	MS	12.6	12.5	ug/L	100.8	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-252	MS	51.3	50	ug/L	102.6	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-252	MS	56.4	50	ug/L	112.8	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-252	MS	56.2	50	ug/L	112.4	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-252	MS	35.1	50	ug/L	70.2	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-252	MS	5.64	5	ug/L	112.8	SDN	EPA 6020

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED *AME*

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
PB	29-Dec-97	97ASD 4-252	MS	53.9	50	ug/L	107.8	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-252	MS	48.1	50	ug/L	96.2	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-253	MS	12.1	12.5	ug/L	96.8	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-253	MS	51.9	50	ug/L	103.8	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-253	MS	57.4	50	ug/L	114.8	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-253	MS	55.5	50	ug/L	111.0	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-253	MS	35.2	50	ug/L	70.4	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-253	MS	5.28	5	ug/L	105.6	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-253	MS	51.9	50	ug/L	103.8	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-253	MS	49.2	50	ug/L	98.4	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-254	MS	12.9	12.5	ug/L	103.2	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-254	MS	55.2	50	ug/L	110.4	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-254	MS	55.6	50	ug/L	111.2	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-254	MS	56.3	50	ug/L	112.6	SDN	EPA 6020

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED *AMC*

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
CR	29-Dec-97	97ASD 4-254	MS	37.8	50	ug/L	75.6	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-254	MS	5.88	5	ug/L	117.6	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-254	MS	53.8	50	ug/L	107.6	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-254	MS	51.6	50	ug/L	103.2	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-255	MS	24	25	ug/L	96.0	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-255	MS	111	100	ug/L	111.0	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-255	MS	118	100	ug/L	118.0	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-255	MS	91.4	100	ug/L	91.4	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-255	MS	107	100	ug/L	107.0	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-255	MS	4.76	5	ug/L	95.2	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-255	MS	103	100	ug/L	103.0	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-255	MS	107	100	ug/L	107.0	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-256	MS	25.8	25	ug/L	103.2	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-256	MS	123	100	ug/L	123.0	SDN	EPA 6020

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED AMC

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
BA	29-Dec-97	97ASD 4-256	MS	122	100	ug/L	122.0	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-256	MS	97.1	100	ug/L	97.1	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-256	MS	114	100	ug/L	114.0	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-256	MS	4	5	ug/L	80.0	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-256	MS	111	100	ug/L	111.0	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-256	MS	119	100	ug/L	119.0	SDN	EPA 6020
AG	29-Dec-97	97ASD 4-257	MS	26.1	25	ug/L	104.4	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-257	MS	113	100	ug/L	113.0	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-257	MS	114	100	ug/L	114.0	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-257	MS	95.7	100	ug/L	95.7	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-257	MS	95	100	ug/L	95.0	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-257	MS	4.78	5	ug/L	95.6	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-257	MS	107	100	ug/L	107.0	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-257	MS	115	100	ug/L	115.0	SDN	EPA 6020

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED *AMC*

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
AG	29-Dec-97	97ASD 4-258	MS	25.6	25	ug/L	102.4	SDN	EPA 6020
AS	29-Dec-97	97ASD 4-258	MS	110	100	ug/L	110.0	SDN	EPA 6020
BA	29-Dec-97	97ASD 4-258	MS	112	100	ug/L	112.0	SDN	EPA 6020
CD	29-Dec-97	97ASD 4-258	MS	97.3	100	ug/L	97.3	SDN	EPA 6020
CR	29-Dec-97	97ASD 4-258	MS	91	100	ug/L	91.0	SDN	EPA 6020
HG	29-Dec-97	97ASD 4-258	MS	5.04	5	ug/L	100.8	SDN	EPA 6020
PB	29-Dec-97	97ASD 4-258	MS	114	100	ug/L	114.0	SDN	EPA 6020
SE	29-Dec-97	97ASD 4-258	MS	108	100	ug/L	108.0	SDN	EPA 6020
AG	22-Dec-97	97ASD4-259	BK	0.571	0.576	mg/L	99.1	RAS	EPA 6010A
BA	22-Dec-97	97ASD4-259	BK	1.853	1.798	mg/L	103.1	RAS	EPA 6010A
CD	22-Dec-97	97ASD4-259	BK	1.419	1.374	mg/L	103.3	RAS	EPA 6010A
CR	22-Dec-97	97ASD4-259	BK	0.626	0.582	mg/L	107.6	RAS	EPA 6010A
HG	16-Dec-97	97ASD4-259	BK	2.69	2.633	µg/L	102.2	EFG	EPA 7471A
SE	22-Dec-97	97ASD4-259	BK	1.43	1.333	mg/L	107.3	RAS	EPA 6010A

Laboratory Control Sample Report

DLS Job: 7A8571

Installation: WALTER REED *AMC*

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
AS	16-Dec-97	97ASD4-260	BK	1.415	1.51	mg/L	93.7	LM	EPA 7060
PB	19-Dec-97	97ASD4-260	BK	0.9655	0.849	mg/L	113.7	LM	EPA 7421

Post Digested Spike Sample Report

DLS Job: 7A8571

Installation: WALTER REED AMC

Target	Date	Sample #	Matrix		Initial Result	Sample Volume	Spike Solution Conc	Spike Volume	Spiked Result	Units	% Recovery	Analyst	Method
BA	12/22/97	E9730	BK		0.352	5	2	5	1.224	mg/L	104.8	RAS	EPA 6010A
CD	12/22/97	E9730	BK		0.046	5	2	5	0.907	mg/L	88.4	RAS	EPA 6010A
CR	12/22/97	E9730	BK	<	0.05	5	1	5	0.505	mg/L	101.0	RAS	EPA 6010A
SE	12/22/97	E9730	BK	<	0.4	5	4	5	2.17	mg/L	108.5	RAS	EPA 6010A
AG	12/29/97	E9731	MS	<	20	10	1000	0.1	10.3	ug/L	104.0	SDN	EPA 6020
AS	12/29/97	E9731	MS	<	40	10	1000	0.1	8.2	ug/L	82.8	SDN	EPA 6020
BA	12/29/97	E9731	MS		36.1	10	1000	0.1	47.8	ug/L	121.8	SDN	EPA 6020
CD	12/29/97	E9731	MS		4.8	10	1000	0.1	16.8	ug/L	121.7	SDN	EPA 6020
CR	12/29/97	E9731	MS		17.9	10	1000	0.1	27.2	ug/L	95.7	SDN	EPA 6020
HG	12/29/97	E9731	MS		5.1	10	100	0.2	7.3	ug/L	117.3	SDN	EPA 6020
PB	12/29/97	E9731	MS		112	10	1000	0.1	122	ug/L	112.2	SDN	EPA 6020
SE	12/29/97	E9731	MS	<	40	10	1000	0.1	8	ug/L	80.8	SDN	EPA 6020
AG	12/22/97	E9763	BK	<	0.02	5	0.1	5	0.048	mg/L	96.0	RAS	EPA 6010A
AS	12/16/97	E9763	BK		0.0114	2.55	1	0.05	0.0321	mg/L	108.8	LM	EPA 7060
PB	12/19/97	E9763	BK		0.0399	2.55	1	0.05	0.0607	mg/L	112.2	LM	EPA 7421
AG	12/29/97	E9769	MS	<	20	10	1000	0.2	18	ug/L	91.8	SDN	EPA 6020
AS	12/29/97	E9769	MS	<	40	10	1000	0.2	18	ug/L	91.8	SDN	EPA 6020
BA	12/29/97	E9769	MS	<	15	10	1000	0.2	25.4	ug/L	129.5	SDN	EPA 6020

Post Digested Spike Sample Report

DLS Job: 7A8571

Installation: WALTER REED AMC

Target	Date	Sample #	Matrix		Initial Result	Sample Volume	Spike Solution Conc	Spike Volume	Spiked Result	Units	% Recovery	Analyst	Method
CD	12/29/97	E9769	MS	<	25	10	1000	0.2	18.9	ug/L	96.4	SDN	EPA 6020
CR	12/29/97	E9769	MS		13	10	1000	0.2	32.7	ug/L	101.8	SDN	EPA 6020
HG	12/29/97	E9769	MS	<	2	10	100	0.2	2.13	ug/L	108.6	SDN	EPA 6020
PB	12/29/97	E9769	MS		5.7	10	1000	0.2	25.3	ug/L	100.5	SDN	EPA 6020
SE	12/29/97	E9769	MS	<	40	10	1000	0.2	17	ug/L	86.7	SDN	EPA 6020
HG	12/16/97	E9801	BK	<	0.2	10	10	1	1.13	ug/L	124.3	EFG	EPA 7471A

Pre-digested Spike Sample Report

DLS Job: 7A8571

Installation: WALTER REED AMC

Target	Date	Sample #	Matrix	Initial Result	Spiked Result	Theoretical Spike Amount	Units	% Recovery	Analyst	Method
AG	12/22/97	E9730	BK	< 0.02	0.07	0.1	mg/L	70.0	RAS	EPA 6010A
BA	12/22/97	E9730	BK	0.352	4.114	4	mg/L	94.1	RAS	EPA 6010A
CD	12/22/97	E9730	BK	0.046	0.119	0.1	mg/L	73.0	RAS	EPA 6010A
CR	12/22/97	E9730	BK	< 0.05	0.427	0.4	mg/L	106.8	RAS	EPA 6010A
HG	12/16/97	E9730	BK	< 0.2	1.07	1	ug/L	107.0	EFG	EPA 7471A
SE	12/22/97	E9730	BK	< 0.4	4.26	4	mg/L	106.5	RAS	EPA 6010A
AS	12/16/97	E9763	BK	0.0114	0.1135	0.125	mg/L	81.7	LM	EPA 7060
PB	12/19/97	E9763	BK	0.0399	0.1766	0.125	mg/L	109.4	LM	EPA 7421

Pre-digested Duplicate Sample Report

DLS Job: 7A8571

Installation: WALTER REED AMC

Target	Date	Sample #	Matrix	Initial Result	Duplicate Result	Units	RPD	Analyst	Method
AG	12/22/97	E9730	BK	0.07	0.068	mg/L	2.90	RAS	EPA 6010A
BA	12/22/97	E9730	BK	4.114	4.235	mg/L	2.90	RAS	EPA 6010A
CD	12/22/97	E9730	BK	0.119	0.139	mg/L	15.50	RAS	EPA 6010A
CR	12/22/97	E9730	BK	0.427	0.454	mg/L	6.13	RAS	EPA 6010A
HG	12/16/97	E9730	SO	1.07	1.1	ug/L	2.76	EFG	EPA 7471A
SE	12/22/97	E9730	BK	4.26	4.36	mg/L	2.32	RAS	EPA 6010A
AS	12/16/97	E9763	BK	0.1135	0.1136	mg/L	0.09	LM	EPA 7060
PB	12/19/97	E9763	BK	0.1766	0.178	mg/L	0.79	LM	EPA 7421

ANALYSIS REPORT
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
Building E2100, APG, MD 21010
ANALYTICAL SPECTROMETRY DIVISION

Installation: WALTER REED AMC

Project Number: 37-21-6209

Job Number: 7A8571

Project Officer: SHEEHY

Number of Samples: 72

Matrix: WIPE

Analyzed for: Semivolatiles
Method: 8270B

80 DEC 1997

FIELD #	LAB #	DATA FILE #
WR-631✓	E9731	s2s8d034.d
WR-632✓	E9732	s2y8d080.d
WR-633✓	E9733	s2y8d081.d
WR-634✓	E9734	s2y8d082.d
WR-635✓	E9735	s2y8d083.d
WR-636✓	E9736	s2y8d084.d
WR-637✓	E9737	s2y8d085.d
WR-63A1✓	E9738	s2y8d086.d
WR-641✓	E9739	s2s8d035.d
WR-661✓	E9740	s2s8d036.d
WR-662✓	E9741	s2y8d087.d
WR-663✓	E9742	s2y8d101.d
WR-664✓	E9743	s2s8d037.d
WR-665✓	E9744	s2s8d038.d,d2y8d065.d
WR-667✓	E9745	s2s8d039.d
WR-671✓	E9746	s2y8d102.d
WR-672✓	E9747	s2y8d103.d
WR-673✓	E9748	s2y8d066.d
WR-674✓	E9749	s2y8d067.d
WR-675✓	E9750	s2y8d068.d
WR-676✓	E9751	s2y8d104.d
WR-677✓	E9752	s2y8d069.d
WR-691✓	E9753	s2y8d105.d
WR-692✓	E9754	s2y8d106.d
WR-69A1✓	E9755	s2y8d070.d,d2y8079.d
WR-69A2✓	E9756	s2y8d071.d
WR-69A3✓	E9757	s2y8d072.d
WR-69A4✓	E9758	s2y8d107.d
WR-69A5✓	E9759	s2y8d108.d
WR-69A6✓	E9760	s2y8d109.d
WR-711✓	E9761	s2y8d073.d

WR-712 ✓	E9762	s2y8d074.d
WR-714 ✓	E9764	s2y8d110.d
WR-715 ✓	E9765	s1y8d012.d
WR-721 ✓	E9767	s1y8d013.d,d1y8013.d
WR-722 ✓	E9768	s1y8d014.d
WR-723 ✓	E9769	s1y8d015.d
WR-724 ✓	E9770	s1y8d016.d
WR-725 ✓	E9771	s1y8d017.d
WR-726 ✓	E9772	s1y8d018.d
WR-727 ✓	E9773	s1y8d019.d
WR-72A1 ✓	E9774	d1y8d020.d
WR-72A3 ✓	E9775	d1y8d021.d
WR-72A2 ✓	E9776	d1y8d022.d
WR-741 ✓	E9777	d1y8d023.d,s1y8023.d
WR-742 ✓	E9778	d1y8d024.d
WR-743 ✓	E9779	d1y8d025.d
WR-745 ✓	E9781	d1y8d026.d
WR-761 ✓	E9782	d1y8d027.d
WR-762 ✓	E9783	s1y8d029.d
WR-763 ✓	E9784	s1y8d030.d
WR-764 ✓	E9785	s1y8d031.d
WR-765 ✓	E9786	s1y8d032.d
WR-768 ✓	E9789	s1y8d033.d
WR-769 ✓	E9790	s1y8d034.d
WR-7610 ✓	E9791	s1y8d035.d
WR-H1 ✓	E9792	s1y8d036.d
WR-H2 ✓	E9793	s1y8d037.d
WR-CR1 ✓	E9794	s1y8d038.d
WR-CR2 ✓	E9795	s1y8d039.d
WR-CR3 ✓	E9796	s1y8d041.d
WR-CR4 ✓	E9797	s1y8d042.d
WR-CR9 ✓	E9802	s1y8d043.d
WR-638 ✓	E9803	s1y8d044.d
WR-639 ✓	E9804	s1y8d045.d
WR-72A4 ✓	E9805	s1y8d046.d
B-1	E9806	s2y8d111.d
B-2	E9807	s2y8d112.d
B-3	E9808	s2y8d113.d
B-4	E9809	s1y8d047.d
B-5	E9810	s1y8d048.d
B-6	E9811	s1y8d049.d

Analyst: Lorenn Mauroni Date: 30 Dec 97

Reviewed by: [Signature] Date: 30 Dec 97

Reviewed by: [Signature] Date: 30 Dec 97

Release authorized by: [Signature] 30 Dec 97

This report shall not be reproduced except in full without the written approval of the laboratory. The results relate only to the specific samples identified within this report.

SUMMARY OF RESULTS
WALTER REED AMC
37-21-6209

Holding Times

Collection Date: 3-4 DEC 97

Received Date: 8 DEC 97

Extraction Date: 10 & 16 DEC 97

Analysis Date: 11, 26-29 DEC 97

Background

These results represent the extraction done by EPA method 3550 (ASD SOP 126.1) and analysis using EPA method 8270B (ASD SOP 72-3). All samples met the fourteen day extraction holding time and the forty day analytical holding time.

Results

Phthalate compounds were found in most of the samples. The amount of phthalate in samples WR-665, WR-69A1, WR-721, and WR-741 exceeded the calibration limits. Each sample was diluted 1:10 and reanalyzed.

Quality Control

Four laboratory control spikes (LCS) were extracted and analyzed with this sample set. Fourteen recoveries failed to meet the quality control limits for the control samples. In most cases, the recoveries were only slightly outside the quality control limits and are expected to have minimal impact on the data quality.

Surrogate recoveries failed for approximately one-fourth of the samples and may be the result of matrix interference. Two internal standard area counts slightly exceeded the quality control limits for one of the LCS samples.

Analyst: Roseann Mauroni

Date: 30 Dec 97

Analysis Data Sheet Qualifier codes:

B - Indicates analyte was found in the associated blank as well as in the sample.

D - Indicates sample was diluted.

E - Indicates reported value exceeds the upper limit of the quantitation curve.

J - Indicates reported value is an estimate.

U - Indicates compound was analyzed for but not detected.

N - Indicates non-target compound.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: LAB BLANK #1 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D076.D
Level: (low/med) LOW Date Collected: 12/10/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: LAB BLANK #1 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D076.D
Level: (low/med) LOW Date Collected: 12/10/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: LAB BLANK #2 WI

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D088.D

Level: (low/med) LOW Date Collected: 12/10/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: LAB BLANK #2 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D088.D
Level: (low/med) LOW Date Collected: 12/10/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #3 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D008.D
Level: (low/med) LOW Date Collected: 12/16/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #3 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D008.D
Level: (low/med) LOW Date Collected: 12/16/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #4 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D010.D
Level: (low/med) LOW Date Collected: 12/16/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LAB BLANK #4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #4 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D010.D
Level: (low/med) LOW Date Collected: 12/16/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-631

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-631 E9731
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D034.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-631

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-631 E9731
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D034.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	52		
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	61		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-632

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-632 E9732

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D080.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-632

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-632 E9732
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D080.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-633

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-633 E9733

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D081.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-633

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-633 E9733

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D081.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-634

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-634 E9734

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D082.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-634

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-634 E9734
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D082.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-635

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-635 E9735
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D083.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-635

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-635 E9735
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D083.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-636

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-636 E9736

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D084.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-636

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-636 E9736
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D084.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-637

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-637 E9737
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D085.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-637

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-637 E9737
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D085.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-63A1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-63A1 E9738

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D086.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-63A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-63A1 E9738
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D086.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-641

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-641 E9739

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D035.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-641

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-641 E9739
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D035.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	75	
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-661

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-661 E9740

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D036.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-661

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-661 E9740
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D036.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	14		
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	5	J	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	9	J	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-662

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-662 E9741
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D087.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-662

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-662 E9741
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D087.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-663

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-663 E9742

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D101.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-663

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-663 E9742
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D101.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-664

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-664 E9743

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D037.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-664

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-664 E9743
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D037.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-665

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Matrix: WIPE Lab Sample ID: WR-665 E9744 0.6
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D038.D
 Level: (low/med) LOW Date Collected: 12/04/97
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-665

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-665 E9744 0.6
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D038.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	E	E
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: USACHPPM Contract: SHEEHY

WR-665 DIL 1:10

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____Matrix: WIPELab Sample ID: WR-665 E9744 DILSample wt/vol: 1000 (g/ml) MLLab File ID: D2Y8D065.DLevel: (low/med) LOWDate Collected: 12/04/97% Moisture: _____ decanted: (Y/N) NDate Extracted: 12/10/97Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/27/97Injection Volume: 1.0 (uL)Dilution Factor: 10.0GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	100	U
111-44-4	bis(2-Chloroethyl)ether	100	U
108-95-2	Phenol	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
100-51-6	Benzyl alcohol	100	U
108-60-1	bis(2-chloroisopropyl)ether	100	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
106-44-5	4-Methylphenol	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	100	U
208-96-8	Acenaphthylene	100	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
83-32-9	Acenaphthene	100	U
99-09-2	3-Nitroaniline	200	U
51-28-5	2,4-Dinitrophenol	200	U
132-64-9	Dibenzofuran	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-665 DIL 1:10

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-665 E9744 DIL
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D2Y8D065.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	100	U	U
100-02-7	4-Nitrophenol	200	U	U
86-73-7	Fluorene	100	U	U
7005-72-3	4-Chlorophenyl-phenylether	100	U	U
84-66-2	Diethylphthalate	100	U	U
100-01-6	4-Nitroaniline	200	U	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U	U
86-30-6	n-Nitrosodiphenylamine(1)	100	U	U
101-55-3	4-Bromophenyl-phenylether	100	U	U
118-74-1	Hexachlorobenzene	100	U	U
87-86-5	Pentachlorophenol	200	U	U
85-01-8	Phenanthrene	100	U	U
120-12-7	Anthracene	100	U	U
84-74-2	Di-n-butylphthalate	100	U	U
206-44-0	Fluoranthene	200	U	U
129-00-0	Pyrene	100	U	U
85-68-7	Butylbenzylphthalate	100	U	U
56-55-3	Benzo[a]anthracene	100	U	U
218-01-9	Chrysene	100	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	D	D
117-84-0	Di-n-octylphthalate	100	U	U
205-99-2	Benzo[b]fluoranthene	100	U	U
207-08-9	Benzo[k]fluoranthene	100	U	U
50-32-8	Benzo[a]pyrene	100	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	100	U	U
53-70-3	Dibenz[a,h]anthracene	100	U	U
191-24-2	Benzo[g,h,i]perylene	100	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: USACHPPM Contract: SHEEHY

WR-667

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____Matrix: WIPELab Sample ID: WR-667 E9745Sample wt/vol: 1000 (g/ml) MLLab File ID: S2S8D039.DLevel: (low/med) LOWDate Collected: 12/04/97% Moisture: _____ decanted:(Y/N) NDate Extracted: 12/10/97Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/11/97Injection Volume: 1.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-667

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-667 E9745

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D039.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	6	J	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-671

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-671 E9746

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D102.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-671

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-671 E9746

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D102.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	9	J
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	16	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-672

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-672 E9747

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D103.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-672

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-672 E9747
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D103.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-673

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
 Matrix: WIPE Lab Sample ID: WR-673 E9748
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D066.D
 Level: (low/med) LOW Date Collected: 12/04/97
 % Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-673

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-673 E9748

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D066.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	120		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-674

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-674 E9749

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D067.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-674

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-674 E9749
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D067.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-675

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-675 E9750

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D068.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-675

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-675 E9750
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D068.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-676

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-676 E9751

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D104.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
62-75-9	N-Nitrosodimethylamine	10	U	
111-44-4	bis(2-Chloroethyl)ether	10	U	
108-95-2	Phenol	10	U	
95-57-8	2-Chlorophenol	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
100-51-6	Benzyl alcohol	10	U	
108-60-1	bis(2-chloroisopropyl)ether	10	U	
95-48-7	2-Methylphenol	10	U	
67-72-1	Hexachloroethane	10	U	
621-64-7	N-Nitroso-di-n-propylamine	10	U	
106-44-5	4-Methylphenol	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	bis(2-Chloroethoxy)methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	
91-20-3	Naphthalene	10	U	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	10	U	
77-47-4	Hexachlorocyclopentadiene	10	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	10	U	
208-96-8	Acenaphthylene	10	U	
131-11-3	Dimethylphthalate	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
83-32-9	Acenaphthene	10	U	
99-09-2	3-Nitroaniline	20	U	
51-28-5	2,4-Dinitrophenol	20	U	
132-64-9	Dibenzofuran	10	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-676

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-676 E9751
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D104.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	15		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-677

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-677 E9752
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D069.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-677

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-677 E9752
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D069.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	8	J	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	45		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-691

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-691 E9753

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D105.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-691

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-691 E9753
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D105.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	32	
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	18	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-692

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-692 E9754

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D106.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-692

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-692 E9754
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D106.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A1 E9755

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D070.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-69A1 E9755
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D070.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	150	E
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	E
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

R-69A1 DIL 1:1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-69A1 E9755 D
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D2Y8D079.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	100	U
111-44-4	bis(2-Chloroethyl)ether	100	U
108-95-2	Phenol	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
100-51-6	Benzyl alcohol	100	U
108-60-1	bis(2-chloroisopropyl)ether	100	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
106-44-5	4-Methylphenol	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	100	U
208-96-8	Acenaphthylene	100	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
83-32-9	Acenaphthene	100	U
99-09-2	3-Nitroaniline	200	U
51-28-5	2,4-Dinitrophenol	200	U
132-64-9	Dibenzofuran	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

R-69A1 DIL 1:1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-69A1 E9755 D
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D2Y8D079.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	100	U	
100-02-7	4-Nitrophenol	200	U	
86-73-7	Fluorene	100	U	
7005-72-3	4-Chlorophenyl-phenylether	100	U	
84-66-2	Diethylphthalate	100	U	
100-01-6	4-Nitroaniline	200	U	
534-52-1	4,6-Dinitro-2-methylphenol	200	U	
86-30-6	n-Nitrosodiphenylamine(1)	100	U	
101-55-3	4-Bromophenyl-phenylether	100	U	
118-74-1	Hexachlorobenzene	100	U	
87-86-5	Pentachlorophenol	200	U	
85-01-8	Phenanthrene	100	U	
120-12-7	Anthracene	100	U	
84-74-2	Di-n-butylphthalate	100	U	
206-44-0	Fluoranthene	200	U	
129-00-0	Pyrene	100	U	
85-68-7	Butylbenzylphthalate	120	D	
56-55-3	Benzo[a]anthracene	100	U	
218-01-9	Chrysene	100	U	
117-81-7	bis(2-Ethylhexyl)phthalate	180	D	
117-84-0	Di-n-octylphthalate	100	U	
205-99-2	Benzo[b]fluoranthene	100	U	
207-08-9	Benzo[k]fluoranthene	100	U	
50-32-8	Benzo[a]pyrene	100	U	
193-39-5	Indeno[1,2,3-cd]pyrene	100	U	
53-70-3	Dibenz[a,h]anthracene	100	U	
191-24-2	Benzo[g,h,i]perylene	100	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A2 E9756

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D071.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A2 E9756

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D071.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A3

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A3 E9757

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D072.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A3

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A3 E9757

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D072.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	8	J	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A4

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A4 E9758

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D107.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A4

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A4 E9758

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D107.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A5

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A5 E9759

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D108.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-69A5 E9759
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D108.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A6 E9760
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D109.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-69A6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A6 E9760
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D109.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-711

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-711 E9761

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D073.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-711

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-711 E9761
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D073.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	14	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-712

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-712 E9762

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D074.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-712

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-712 E9762
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D074.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J	J
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-714

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-714 E9764
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D110.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-714

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-714 E9764
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D110.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-715

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-715 E9765

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D012.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-715

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-715 E9765

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D012.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-721

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Matrix: WIPE Lab Sample ID: WR-721 E9767
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D013.D
 Level: (low/med) LOW Date Collected: 12/04/97
 % Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-721

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-721 E9767
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D013.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	33		
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	130	E	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-721 DIL 1:10

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-721 E9767 DIL

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D013.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	100	U
111-44-4	bis(2-Chloroethyl)ether	100	U
108-95-2	Phenol	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
100-51-6	Benzyl alcohol	100	U
108-60-1	bis(2-chloroisopropyl)ether	100	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
106-44-5	4-Methylphenol	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	100	U
208-96-8	Acenaphthylene	100	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
83-32-9	Acenaphthene	100	U
99-09-2	3-Nitroaniline	200	U
51-28-5	2,4-Dinitrophenol	200	U
132-64-9	Dibenzofuran	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-721 DIL 1:10

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-721 E9767 DIL
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D013.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	100	U
100-02-7	4-Nitrophenol	200	U
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
84-66-2	Diethylphthalate	100	U
100-01-6	4-Nitroaniline	200	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U
86-30-6	n-Nitrosodiphenylamine(1)	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
84-74-2	Di-n-butylphthalate	100	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	100	U
85-68-7	Butylbenzylphthalate	34	JD
56-55-3	Benzo[a]anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	D
117-84-0	Di-n-octylphthalate	100	U
205-99-2	Benzo[b]fluoranthene	100	U
207-08-9	Benzo[k]fluoranthene	100	U
50-32-8	Benzo[a]pyrene	100	U
193-39-5	Indeno[1,2,3-cd]pyrene	100	U
53-70-3	Dibenz[a,h]anthracene	100	U
191-24-2	Benzo[g,h,i]perylene	100	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-722

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-722 E9768

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D014.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-722

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-722 E9768
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D014.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-723

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-723 E9769
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D015.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-723

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-723 E9769

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D015.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-724

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-724 E9770

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D016.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-724

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-724 E9770

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D016.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-725

Lab Name: USACHPPM

Contract: SHEEHY

Lab Code: 37-21-6209

Case No.: WALTER

SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE

Lab Sample ID: WR-725 E9771

Sample wt/vol: 1000 (g/ml) ML

Lab File ID: S1Y8D017.D

Level: (low/med) LOW

Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-725

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-725 E9771

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D017.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	24	
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-726

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-726 E9772

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D018.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-726

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-726 E9772
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D018.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-727

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-727 E9773

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D019.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-727

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-727 E9773

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D019.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-72A1 E9774
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D020.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-72A1 E9774
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D020.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	9	J	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	18		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-72A3 E9775
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D021.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-72A3 E9775
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D021.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	5	J	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-72A2 E9776
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D022.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-72A2 E9776

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D022.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J	J
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-741

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-741 E9777

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D023.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-741

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-741 E9777

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D023.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	J	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	5	J	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	310	E	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	150	E	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-741 DIL 1:10

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-741 E9777 DIL
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D023.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	100	U
111-44-4	bis(2-Chloroethyl)ether	100	U
108-95-2	Phenol	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
100-51-6	Benzyl alcohol	100	U
108-60-1	bis(2-chloroisopropyl)ether	100	U
95-48-7	2-Methylphenol	100	U
67-72-1	Hexachloroethane	100	U
621-64-7	N-Nitroso-di-n-propylamine	100	U
106-44-5	4-Methylphenol	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	100	U
208-96-8	Acenaphthylene	100	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
83-32-9	Acenaphthene	100	U
99-09-2	3-Nitroaniline	200	U
51-28-5	2,4-Dinitrophenol	200	U
132-64-9	Dibenzofuran	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-741 DIL 1:10

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-741 E9777 DIL

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D023.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	100	U	
100-02-7	4-Nitrophenol	200	U	
86-73-7	Fluorene	100	U	
7005-72-3	4-Chlorophenyl-phenylether	100	U	
84-66-2	Diethylphthalate	100	U	
100-01-6	4-Nitroaniline	200	U	
534-52-1	4,6-Dinitro-2-methylphenol	200	U	
86-30-6	n-Nitrosodiphenylamine(1)	100	U	
101-55-3	4-Bromophenyl-phenylether	100	U	
118-74-1	Hexachlorobenzene	100	U	
87-86-5	Pentachlorophenol	200	U	
85-01-8	Phenanthrene	100	U	
120-12-7	Anthracene	100	U	
84-74-2	Di-n-butylphthalate	100	U	
206-44-0	Fluoranthene	200	U	
129-00-0	Pyrene	100	U	
85-68-7	Butylbenzylphthalate	310	D	
56-55-3	Benzo[a]anthracene	100	U	
218-01-9	Chrysene	100	U	
117-81-7	bis(2-Ethylhexyl)phthalate	140	D	
117-84-0	Di-n-octylphthalate	100	U	
205-99-2	Benzo[b]fluoranthene	100	U	
207-08-9	Benzo[k]fluoranthene	100	U	
50-32-8	Benzo[a]pyrene	100	U	
193-39-5	Indeno[1,2,3-cd]pyrene	100	U	
53-70-3	Dibenz[a,h]anthracene	100	U	
191-24-2	Benzo[g,h,i]perylene	100	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-742

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-742 E9778
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D024.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-742

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-742 E9778
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D024.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	110		
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	56		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-743

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-743 E9779

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D025.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-743

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-743 E9779
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D025.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-745

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-745 E9781
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D026.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-745

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-745 E9781

Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D026.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-761

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-761 E9782
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D027.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-761

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-761 E9782
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D027.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	4	J
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-762

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-762 E9783

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D029.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WR-762

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-762 E9783

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D029.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-763

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-763 E9784
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D030.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-763

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-763 E9784
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D030.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-764

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-764 E9785

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D031.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-764

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-764 E9785

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D031.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-765

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-765 E9786

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D032.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-765

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-765 E9786
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D032.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	6	J	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-768

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-768 E9789

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D033.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-768

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-768 E9789

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D033.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	11		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-769

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-769 E9790

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D034.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-769

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-769 E9790

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D034.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-7610

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-7610 E9791
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D035.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-7610

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-7610 E9791
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D035.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-H1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-H1 E9792

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D036.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-H1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-H1 E9792
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D036.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	42	
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-H2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-H2 E9793
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D037.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-H2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-H2 E9793
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D037.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR1 E9794
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D038.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR1 E9794
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D038.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	6	J	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	11		
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR2 E9795
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D039.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR2 E9795
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D039.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR3

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-CR3 E9796

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D041.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR3

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-CR3 E9796

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D041.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR4 E9797
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D042.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR4

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-CR4 E9797

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D042.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR9

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR9 E9802
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D043.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR9

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR9 E9802
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D043.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-638

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-638 E9803

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D044.D

Level: (low/med) LOW Date Collected: 12/03/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-638

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-638 E9803
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D044.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-639

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-639 E9804
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D045.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-639

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-639 E9804
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D045.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	U
100-02-7	4-Nitrophenol	20	U	U
86-73-7	Fluorene	10	U	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	U
84-66-2	Diethylphthalate	10	U	U
100-01-6	4-Nitroaniline	20	U	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U	U
101-55-3	4-Bromophenyl-phenylether	10	U	U
118-74-1	Hexachlorobenzene	10	U	U
87-86-5	Pentachlorophenol	20	U	U
85-01-8	Phenanthrene	10	U	U
120-12-7	Anthracene	10	U	U
84-74-2	Di-n-butylphthalate	10	U	U
206-44-0	Fluoranthene	20	U	U
129-00-0	Pyrene	10	U	U
85-68-7	Butylbenzylphthalate	10	U	U
56-55-3	Benzo[a]anthracene	10	U	U
218-01-9	Chrysene	10	U	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	U
117-84-0	Di-n-octylphthalate	10	U	U
205-99-2	Benzo[b]fluoranthene	10	U	U
207-08-9	Benzo[k]fluoranthene	10	U	U
50-32-8	Benzo[a]pyrene	10	U	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	U
53-70-3	Dibenz[a,h]anthracene	10	U	U
191-24-2	Benzo[g,h,i]perylene	10	U	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-72A4 E9805
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D046.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-72A4

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-72A4 E9805

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D046.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: B-1 E9806

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D111.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: B-1 E9806

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D111.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: B-2 E9807

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D112.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-2 E9807
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D112.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-3 E9808
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D113.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-3 E9808
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D113.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-4 E9809
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D047.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-4 E9809
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D047.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-5 E9810
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D048.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted:(Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-5 E9810
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D048.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	20	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	n-Nitrosodiphenylamine(1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo[a]anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo[b]fluoranthene	10	U
207-08-9	Benzo[k]fluoranthene	10	U
50-32-8	Benzo[a]pyrene	10	U
193-39-5	Indeno[1,2,3-cd]pyrene	10	U
53-70-3	Dibenz[a,h]anthracene	10	U
191-24-2	Benzo[g,h,i]perylene	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-6

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: B-6 E9811

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D049.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug) UG Q

62-75-9	N-Nitrosodimethylamine	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-95-2	Phenol	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
108-60-1	bis(2-chloroisopropyl)ether	10	U
95-48-7	2-Methylphenol	10	U
67-72-1	Hexachloroethane	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
106-44-5	4-Methylphenol	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	20	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-6 E9811
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D049.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug)	UG	Q
121-14-2	2,4-Dinitrotoluene	10	U	
100-02-7	4-Nitrophenol	20	U	
86-73-7	Fluorene	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
84-66-2	Diethylphthalate	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	n-Nitrosodiphenylamine(1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	20	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
56-55-3	Benzo[a]anthracene	10	U	
218-01-9	Chrysene	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octylphthalate	10	U	
205-99-2	Benzo[b]fluoranthene	10	U	
207-08-9	Benzo[k]fluoranthene	10	U	
50-32-8	Benzo[a]pyrene	10	U	
193-39-5	Indeno[1,2,3-cd]pyrene	10	U	
53-70-3	Dibenz[a,h]anthracene	10	U	
191-24-2	Benzo[g,h,i]perylene	10	U	

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	LAB BLANK #1	91	83	91	93	78	100	0
02	100 PPB QC	80	72	73	76	71	69	0
03	100 PPB QC DUP	66	62	64	70	64	71	0
04	WR-69A1 DIL 1:10	9*	9*	7*	10*	6*	10*	6
05	WR-632	80	74	77	84	78	96	0
06	WR-633	72	66	68	77	70	90	0
07	WR-634	79	71	75	83	71	80	0
08	WR-635	53	50	53	59	49	60	0
09	WR-636	81	73	76	83	77	84	0
10	WR-637	62	61	62	71	60	67	0
11	WR-63A1	95	86	93	99	91	95	0
12	WR-662	72	65	71	76	75	81	0
13	LAB BLANK #2	62	58	57	65	61	69	0

QC LIMITS

S1 (2FP)	=	2-Fluorophenol	(21-100)
S2 (PHL)	=	Phenol-d5	(10-94)
S3 (NBZ)	=	Nitrobenzene-d5	(35-114)
S4 (FBP)	=	2-Fluorobiphenyl	(43-116)
S5 (TBP)	=	2,4,6-Tribromophenol	(10-123)
S6 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	WR-631	63	67	71	77	69	63	0
02	WR-641	67	17	77	80	79	74	0
03	WR-661	80	81	87	92	91	77	0
04	WR-664	69	70	81	87	83	69	0
05	WR-665	76	79	91	99	88	80	0
06	WR-667	75	76	83	86	88	70	0

QC LIMITS

S1 (2FP)	=	2-Fluorophenol	(21-100)
S2 (PHL)	=	Phenol-d5	(10-94)
S3 (NBZ)	=	Nitrobenzene-d5	(35-114)
S4 (FBP)	=	2-Fluorobiphenyl	(43-116)
S5 (TBP)	=	2,4,6-Tribromophenol	(10-123)
S6 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	WR-663	74	69	79	82	73	79	0
02	WR-671	64	63	70	76	68	77	0
03	WR-672	73	67	79	83	74	88	0
04	WR-676	82	75	85	88	85	94	0
05	WR-691	72	66	76	77	77	79	0
06	WR-692	64	59	63	67	63	63	0
07	WR-69A4	22	21	20 *	24 *	20	24 *	3
08	WR-69A5	62	58	64	66	66	75	0
09	WR-69A6	71	65	73	79	70	76	0
10	WR-714	79	75	90	91	76	94	0
11	B-1	73	68	76	84	72	85	0
12	B-2	48	44	50	54	45	59	0
13	B-3	75	69	76	81	71	82	0

QC LIMITS

S1 (2FP) = 2-Fluorophenol (21-100)
S2 (PHL) = Phenol-d5 (10-94)
S3 (NBZ) = Nitrobenzene-d5 (35-114)
S4 (FBP) = 2-Fluorobiphenyl (43-116)
S5 (TBP) = 2,4,6-Tribromophenol (10-123)
S6 (TPH) = Terphenyl-d14 (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	WR-665 DIL 1:10	8*	7*	6*	9*	5*	9*	6
02	WR-673	72	73	81	77	58	88	0
03	WR-674	59	56	62	58	53	59	0
04	WR-675	73	72	77	75	69	85	0
05	WR-677	82	78	83	81	67	83	0
06	WR-69A1	83	78	89	87	83	101	0
07	WR-69A2	84	81	91	87	77	95	0
08	WR-69A3	77	72	81	81	71	75	0
09	WR-711	85	81	98	87	77	94	0
10	WR-712	79	73	87	82	75	91	0

QC LIMITS

S1 (2FP)	=	2-Fluorophenol	(21-100)
S2 (PHL)	=	Phenol-d5	(10-94)
S3 (NBZ)	=	Nitrobenzene-d5	(35-114)
S4 (FBP)	=	2-Fluorobiphenyl	(43-116)
S5 (TBP)	=	2,4,6-Tribromophenol	(10-123)
S6 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	LAB BLANK #3	50	51	51	70	56	56	0
02	100 PPB QC	84	83	91	89	88	88	0
03	100 PPB QC DUP	58	59	61	62	64	63	0
04	WR-715	46	48	50	53	52	54	0
05	WR-721	22	22	28 *	28 *	14	28 *	3
06	WR-722	48	48	53	59	59	62	0
07	WR-723	61	63	65	74	73	73	0
08	WR-724	50	51	59	63	59	71	0
09	WR-725	34	35	36	41 *	41	42	1
10	LAB BLANK #4	56	59	62	99	81	84	0
11	WR-726	23	23	25 *	28 *	22	31 *	3
12	WR-727	32	33	35 *	39 *	37	46	2
13	WR-721 DIL 1:10	2 *	2 *	2 *	3 *	1 *	3 *	6
14	WR-72A1	47	46	49	61	60	55	0
15	WR-72A3	17 *	18	18 *	22 *	21	22 *	4
16	WR-72A2	32	33	35	42 *	40	46	1
17	WR-741	49	51	53	61	59	60	0
18	WR-742	34	36	37	43 *	39	43	1
19	WR-743	41	43	44	53	47	51	0
20	WR-745	33	35	35	43 *	41	44	1
21	WR-761	27	27	30 *	37 *	34	41	2
22	WR-741 DIL 1:10	5 *	4 *	4 *	6 *	5 *	5 *	6
23	WR-762	28	26	28 *	32 *	31	31 *	3
24	WR-763	38	37	40	51	46	51	0
25	WR-764	33	34	33 *	40 *	37	41	2
26	WR-765	24	25	27 *	34 *	28	33	2
27	WR-768	49	51	58	66	51	69	0
28	WR-769	20 *	22	22 *	26 *	23	24 *	4
29	WR-7610	36	39	42	47	42	46	0
30	WR-H1	25	26	29 *	33 *	30	37	2
31	WR-H2	65	64	73	80	75	77	0
32	WR-CR1	38	40	41	50	46	46	0
33	WR-CR2	28	30	31 *	37 *	32	37	2

QC LIMITS

S1 (2FP) = 2-Fluorophenol (21-100)
S2 (PHL) = Phenol-d5 (10-94)
S3 (NBZ) = Nitrobenzene-d5 (35-114)
S4 (FBP) = 2-Fluorobiphenyl (43-116)
S5 (TBP) = 2,4,6-Tribromophenol (10-123)
S6 (TPH) = Terphenyl-d14 (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
34	WR-CR3	13 *	14	14 *	19 *	15	18 *	4
35	WR-CR4	35	37	40	50	44	46	0
36	WR-CR9	46	50	52	60	54	57	0
37	WR-638	51	56	57	69	61	68	0
38	WR-639	37	40	42	52	44	50	0
39	WR-72A4	66	71	78	89	71	89	0
40	B-4	59	63	71	85	76	99	0
41	B-5	33	34	38	47	39	45	0
42	B-6	35	37	36	44	40	42	0

QC LIMITS

S1 (2FP)	=	2-Fluorophenol	(21-100)
S2 (PHL)	=	Phenol-d5	(10-94)
S3 (NBZ)	=	Nitrobenzene-d5	(35-114)
S4 (FBP)	=	2-Fluorobiphenyl	(43-116)
S5 (TBP)	=	2,4,6-Tribromophenol	(10-123)
S6 (TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

8270b WIPE LABORATORY CONTROL SPIKE REPORT

Data File Name: Q2Y8D077.D Data File Path: G:\ABN2\DATA\DEC12_27_9
Sample Name: 100 PPB QC WIPE
Date/Time Acquired: 12/27/97 23:11 Method File: 8270
WALTER REED 37-21-6209 JOB#7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	76.27	76	1	147	YES
bis(2-Chloroethyl)ether	70.62	71	1	121	YES
Phenol	75.05	75	50	104	YES
2-Chlorophenol	80.15	80	54	100	YES
1,3-Dichlorobenzene	82.27	82	59	94	YES
1,4-Dichlorobenzene	80.00	80	58	93	YES
1,2-Dichlorobenzene	81.63	82	58	93	YES
Benzyl alcohol	85.66	86	58	107	YES
bis(2-chloroisopropyl)ether	79.64	80	3	224	YES
2-Methylphenol	79.15	79	50	110	YES
Hexachloroethane	86.37	86	58	98	YES
N-Nitroso-di-n-propylamine	86.68	87	3	156	YES
4-Methylphenol	79.43	79	54	102	YES
Nitrobenzene	76.64	77	52	137	YES
Isophorone	71.91	72	52	107	YES
2-Nitrophenol	79.12	79	58	107	YES
2,4-Dimethylphenol	70.83	71	59	91	YES
bis(2-Chloroethoxy)methane	78.74	79	1	144	YES
2,4-Dichlorophenol	74.51	75	58	99	YES
1,2,4-Trichlorobenzene	79.46	79	56	98	YES
Naphthalene	73.52	74	57	99	YES
4-Chloroaniline	25.47	25	16	80	YES
Hexachlorobutadiene	92.25	92	53	97	YES
4-Chloro-3-methylphenol	82.74	83	54	121	YES
2-Methylnaphthalene	71.40	71	42	108	YES
Hexachlorocyclopentadiene	85.94	86	44	105	YES
2,4,6-Trichlorophenol	73.86	74	53	110	YES
2,4,5-Trichlorophenol	75.85	76	52	114	YES
2-Chloronaphthalene	75.10	75	45	122	YES
2-Nitroaniline	81.41	81	58	118	YES
Acenaphthylene	75.47	75	52	109	YES
Dimethylphthalate	75.98	76	44	126	YES
2,6-Dinitrotoluene	85.94	86	57	114	YES
Acenaphthene	77.07	77	51	102	YES
3-Nitroaniline	79.07	79	50	80	YES
2,4-Dinitrophenol	84.59	85	26	118	YES
Dibenzofuran	71.87	72	50	109	YES
2,4-Dinitrotoluene	96.19	96	51	114	YES
4-Nitrophenol	101.60	102	53	138	YES
Fluorene	80.04	80	54	104	YES
4-Chlorophenyl-phenylether	134.60	135	39	130	NO
Diethylphthalate	75.42	75	54	114	YES
4-Nitroaniline	98.71	99	51	118	YES
4,6-Dinitro-2-methylphenol	87.21	87	48	124	YES
n-Nitrosodiphenylamine	93.27	93	1	149	YES
4-Bromophenyl-phenylether	71.76	72	2	142	YES
Hexachlorobenzene	70.58	71	53	108	YES
Pentachlorophenol	77.09	77	58	116	YES
Phenanthrene	75.00	75	50	104	YES
Anthracene	72.07	72	54	105	YES
Di-n-butylphthalate	77.29	77	1	143	YES
Fluoranthene	93.75	94	52	107	YES
Pyrene	71.79	72	51	100	YES
Butylbenzylphthalate	70.79	71	1	140	YES
Benzo[a]anthracene	78.25	78	55	116	YES
Chrysene	80.90	81	69	104	YES
bis(2-Ethylhexyl)phthalat	80.91	81	1	140	YES
Di-n-octylphthalate	74.34	74	1	137	YES
Benzo[b]fluoranthene	83.17	83	58	120	YES
Benzo[k]fluoranthene	87.48	87	53	102	YES
Benzo[a]pyrene	75.49	75	52	109	YES
Indeno[1,2,3-cd]pyrene	92.01	92	53	121	YES
Dibenz[a,h]anthracene	73.32	73	55	109	YES
Benzo[g,h,i]perylene	76.75	77	54	121	YES

Comments:

8270b WIPE LABORATORY CONTROL SPIKE REPORT

Data File Name: q2y8d078.d Data File Path: g:\abn2\data\dec12_27_97
Sample Name: 100 PPB QC DUP WIPE
Date/Time Acquired: 12/28/97 12:03 Method File: 8270
WALTER REED 37-21-6209 JOB#7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	70.55	71	1	147	YES
bis(2-Chloroethyl)ether	58.64	59	1	121	YES
Phenol	62.74	63	50	104	YES
2-Chlorophenol	68.31	68	54	100	YES
1,3-Dichlorobenzene	66.95	67	59	94	YES
1,4-Dichlorobenzene	66.04	66	58	93	YES
1,2-Dichlorobenzene	68.35	68	58	93	YES
Benzyl alcohol	65.11	65	58	107	YES
bis(2-chloroisopropyl)ether	66.05	66	3	224	YES
2-Methylphenol	66.05	66	50	110	YES
Hexachloroethane	69.10	69	58	98	YES
N-Nitroso-di-n-propylamine	73.15	73	3	156	YES
4-Methylphenol	66.49	66	54	102	YES
Nitrobenzene	65.46	65	52	137	YES
Isophorone	63.60	64	52	107	YES
2-Nitrophenol	68.72	69	58	107	YES
2,4-Dimethylphenol	64.47	64	59	91	YES
bis(2-Chloroethoxy)methane	69.05	69	1	144	YES
2,4-Dichlorophenol	63.95	64	58	99	YES
1,2,4-Trichlorobenzene	68.20	68	56	98	YES
Naphthalene	64.06	64	57	99	YES
4-Chloroaniline	20.18	20	16	80	YES
Hexachlorobutadiene	78.38	78	53	97	YES
4-Chloro-3-methylphenol	70.35	70	54	121	YES
2-Methylnaphthalene	62.20	62	42	108	YES
Hexachlorocyclopentadiene	81.85	82	44	105	YES
2,4,6-Trichlorophenol	67.49	67	53	110	YES
2,4,5-Trichlorophenol	70.98	71	52	114	YES
2-Chloronaphthalene	67.73	68	45	122	YES
2-Nitroaniline	70.65	71	58	118	YES
Acenaphthylene	67.79	68	52	109	YES
Dimethylphthalate	67.60	68	44	126	YES
2,6-Dinitrotoluene	74.28	74	57	114	YES
Acenaphthene	69.32	69	51	102	YES
3-Nitroaniline	69.68	70	50	80	YES
2,4-Dinitrophenol	70.83	71	26	118	YES
Dibenzofuran	64.17	64	50	109	YES
2,4-Dinitrotoluene	82.57	83	51	114	YES
4-Nitrophenol	87.27	87	53	138	YES
Fluorene	71.20	71	54	104	YES
4-Chlorophenyl-phenylether	124.05	124	39	130	YES
Diethylphthalate	67.82	68	54	114	YES
4-Nitroaniline	78.54	79	51	118	YES
4,6-Dinitro-2-methylphenol	76.61	77	48	124	YES
n-Nitrosodiphenylamine	83.97	84	1	149	YES
4-Bromophenyl-phenylether	66.36	66	2	142	YES
Hexachlorobenzene	63.76	64	53	108	YES
Pentachlorophenol	69.39	69	58	116	YES
Phenanthrene	68.43	68	50	104	YES
Anthracene	66.83	67	54	105	YES
Di-n-butylphthalate	72.32	72	1	143	YES
Fluoranthene	82.79	83	52	107	YES
Pyrene	72.74	73	51	100	YES
Butylbenzylphthalate	65.18	65	1	140	YES
Benzo[a]anthracene	73.59	74	55	116	YES
Chrysene	72.77	73	69	104	YES
bis(2-Ethylhexyl)phthalat	74.60	75	1	140	YES
Di-n-octylphthalate	70.66	71	1	137	YES
Benzo[b]fluoranthene	76.89	77	58	120	YES
Benzo[k]fluoranthene	69.20	69	53	102	YES
Benzo[a]pyrene	68.72	69	52	109	YES
Indeno[1,2,3-cd]pyrene	73.14	73	53	121	YES
Dibenz[a,h]anthracene	62.73	63	55	109	YES
Benzo[g,h,i]perylene	74.48	74	54	121	YES

Comments:

8270b WIPE LABORATORY CONTROL SPIKE REPORT

Data File Name: Q1Y8D010.D Data File Path: G:\ABN1\DATA\DEC12_27_9
Sample Name: 100 PPB QC WIPES
Date/Time Acquired: 12/27/97 12:55 Method File: 8271
WALTER REED 37-21-6209 JOB#7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	98.50	99	1	147	YES
bis(2-Chloroethyl)ether	86.26	86	1	121	YES
Phenol	81.32	81	50	104	YES
2-Chlorophenol	85.06	85	54	100	YES
1,3-Dichlorobenzene	88.46	88	59	94	YES
1,4-Dichlorobenzene	86.04	86	58	93	YES
1,2-Dichlorobenzene	85.40	85	58	93	YES
Benzyl alcohol	73.50	74	58	107	YES
bis(2-chloroisopropyl)ether	95.79	96	3	224	YES
2-Methylphenol	87.73	88	50	110	YES
Hexachloroethane	87.95	88	58	98	YES
N-Nitroso-di-n-propylamine	108.55	109	3	156	YES
4-Methylphenol	90.43	90	54	102	YES
Nitrobenzene	97.74	98	52	137	YES
Isophorone	100.22	100	52	107	YES
2-Nitrophenol	95.04	95	58	107	YES
2,4-Dimethylphenol	86.55	87	59	91	YES
bis(2-Chloroethoxy)methane	102.45	102	1	144	YES
2,4-Dichlorophenol	92.94	93	58	99	YES
1,2,4-Trichlorobenzene	98.24	98	56	98	NO
Naphthalene	92.70	93	57	99	YES
4-Chloroaniline	13.63	14	16	80	NO
Hexachlorobutadiene	114.10	114	53	97	NO
4-Chloro-3-methylphenol	100.46	100	54	121	YES
2-Methylnaphthalene	94.02	94	42	108	YES
Hexachlorocyclopentadiene	96.46	96	44	105	YES
2,4,6-Trichlorophenol	95.76	96	53	110	YES
2,4,5-Trichlorophenol	95.32	95	52	114	YES
2-Chloronaphthalene	97.31	97	45	122	YES
2-Nitroaniline	68.38	68	58	118	YES
Acenaphthylene	89.93	90	52	109	YES
Dimethylphthalate	96.80	97	44	126	YES
2,6-Dinitrotoluene	99.19	99	57	114	YES
Acenaphthene	94.80	95	51	102	YES
3-Nitroaniline	33.86	34	50	80	NO
2,4-Dinitrophenol	81.12	81	26	118	YES
Dibenzofuran	92.32	92	50	109	YES
2,4-Dinitrotoluene	94.26	94	51	114	YES
4-Nitrophenol	77.81	78	53	138	YES
Fluorene	98.20	98	54	104	YES
4-Chlorophenyl-phenylether	210.13	210	39	130	NO
Diethylphthalate	94.07	94	54	114	YES
4-Nitroaniline	61.75	62	51	118	YES
4,6-Dinitro-2-methylphenol	79.72	80	48	124	YES
n-Nitrosodiphenylamine	94.45	94	1	149	YES
4-Bromophenyl-phenylether	99.56	100	2	142	YES
Hexachlorobenzene	92.50	92	53	108	YES
Pentachlorophenol	82.48	82	58	116	YES
Phenanthrene	94.11	94	50	104	YES
Anthracene	84.71	85	54	105	YES
Di-n-butylphthalate	90.18	90	1	143	YES
Fluoranthene	93.29	93	52	107	YES
Pyrene	96.08	96	51	100	YES
Butylbenzylphthalate	92.87	93	1	140	YES
Benzo[a]anthracene	91.57	92	55	116	YES
Chrysene	89.55	90	69	104	YES
bis(2-Ethylhexyl)phthalat	86.15	86	1	140	YES
Di-n-octylphthalate	87.36	87	1	137	YES
Benzo[b]fluoranthene	89.80	90	58	120	YES
Benzo[k]fluoranthene	100.79	101	53	102	YES
Benzo[a]pyrene	87.77	88	52	109	YES
Indeno[1,2,3-cd]pyrene	97.38	97	53	121	YES
Dibenz[a,h]anthracene	94.99	95	55	109	YES
Benzo[g,h,i]perylene	91.92	92	54	121	YES

Comments:

8270b WIPE LABORATORY CONTROL SPIKE REPORT

Data File Name: q1y8d011.d Data File Path: g:\abn1\data\dec12_27_97
Sample Name: 100 PPB QC DUP WIPES
Date/Time Acquired: 12/27/97 13:52 Method File: 8271
WALTER REED 37-21-6209 JOB#7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	64.88	65	1	147	YES
bis(2-Chloroethyl)ether	60.66	61	1	121	YES
Phenol	57.01	57	50	104	YES
2-Chlorophenol	60.91	61	54	100	YES
1,3-Dichlorobenzene	63.06	63	59	94	YES
1,4-Dichlorobenzene	62.71	63	58	93	YES
1,2-Dichlorobenzene	62.23	62	58	93	YES
Benzyl alcohol	57.62	58	58	107	NO
bis(2-chloroisopropyl)ether	66.49	66	3	224	YES
2-Methylphenol	60.89	61	50	110	YES
Hexachloroethane	63.70	64	58	98	YES
N-Nitroso-di-n-propylamine	74.49	74	3	156	YES
4-Methylphenol	63.65	64	54	102	YES
Nitrobenzene	66.62	67	52	137	YES
Isophorone	66.92	67	52	107	YES
2-Nitrophenol	65.56	66	58	107	YES
2,4-Dimethylphenol	58.91	59	59	91	NO
bis(2-Chloroethoxy)methane	71.96	72	1	144	YES
2,4-Dichlorophenol	63.87	64	58	99	YES
1,2,4-Trichlorobenzene	67.96	68	56	98	YES
Naphthalene	64.95	65	57	99	YES
4-Chloroaniline	12.21	12	16	80	NO
Hexachlorobutadiene	82.62	83	53	97	YES
4-Chloro-3-methylphenol	73.78	74	54	121	YES
2-Methylnaphthalene	66.47	66	42	108	YES
Hexachlorocyclopentadiene	67.39	67	44	105	YES
2,4,6-Trichlorophenol	64.12	64	53	110	YES
2,4,5-Trichlorophenol	64.05	64	52	114	YES
2-Chloronaphthalene	66.49	66	45	122	YES
2-Nitroaniline	51.76	52	58	118	NO
Acenaphthylene	62.29	62	52	109	YES
Dimethylphthalate	66.34	66	44	126	YES
2,6-Dinitrotoluene	66.67	67	57	114	YES
Acenaphthene	65.12	65	51	102	YES
3-Nitroaniline	30.12	30	50	80	NO
2,4-Dinitrophenol	52.43	52	26	118	YES
Dibenzofuran	62.99	63	50	109	YES
2,4-Dinitrotoluene	64.12	64	51	114	YES
4-Nitrophenol	56.38	56	53	138	YES
Fluorene	67.83	68	54	104	YES
4-Chlorophenyl-phenylether	139.02	139	39	130	NO
Diethylphthalate	66.51	67	54	114	YES
4-Nitroaniline	41.27	41	51	118	NO
4,6-Dinitro-2-methylphenol	53.48	53	48	124	YES
n-Nitrosodiphenylamine	65.21	65	1	149	YES
4-Bromophenyl-phenylether	68.48	68	2	142	YES
Hexachlorobenzene	64.74	65	53	108	YES
Pentachlorophenol	58.81	59	58	116	YES
Phenanthrene	65.09	65	50	104	YES
Anthracene	58.97	59	54	105	YES
Di-n-butylphthalate	62.04	62	1	143	YES
Fluoranthene	64.53	65	52	107	YES
Pyrene	68.63	69	51	100	YES
Butylbenzylphthalate	66.49	66	1	140	YES
Benzo[a]anthracene	64.26	64	55	116	YES
Chrysene	62.99	63	69	104	NO
bis(2-Ethylhexyl)phthalat	60.41	60	1	140	YES
Di-n-octylphthalate	61.49	61	1	137	YES
Benzo[b]fluoranthene	62.73	63	58	120	YES
Benzo[k]fluoranthene	73.43	73	53	102	YES
Benzo[a]pyrene	61.66	62	52	109	YES
Indeno[1,2,3-cd]pyrene	67.92	68	53	121	YES
Dibenz[a,h]anthracene	64.95	65	55	109	YES
Benzo[g,h,i]perylene	63.34	63	54	121	YES

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Lab File ID: B2Y8D076.D Lab Sample ID: LAB BLANK #1 WI
 Instrument ID: ABN2 Date Extracted: 12/10/97
 Matrix: (soil/water) WATER Date Analyzed: 12/27/97
 Level: (low/med) LOW Time Analyzed: 22:18

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	100 PPB QC	100 PPB QC WIPE	Q2Y8D077.D	12/27/97
02	100 PPB QC DUP	100 PPB QC DUP WIP	Q2Y8D078.D	12/28/97
03	WR-69A1 DIL 1:10	WR-69A1 E9755 DIL 1:	D2Y8D079.D	12/28/97

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Lab File ID: B2Y8D076.D Lab Sample ID: LAB BLANK #1 WI
 Instrument ID: ABN2 Date Extracted: 12/10/97
 Matrix: (soil/water) WATER Date Analyzed: 12/27/97
 Level: (low/med) LOW Time Analyzed: 22:18

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WR-665 DIL 1:10	WR-665 E9744 DIL 1:1	D2Y8D065.D	12/27/97
02	WR-673	WR-673 E9748	S2Y8D066.D	12/27/97
03	WR-674	WR-674 E9749	S2Y8D067.D	12/27/97
04	WR-675	WR-675 E9750	S2Y8D068.D	12/27/97
05	WR-677	WR-677 E9752	S2Y8D069.D	12/27/97
06	WR-69A1	WR-69A1 E9755	S2Y8D070.D	12/27/97
07	WR-69A2	WR-69A2 E9756	S2Y8D071.D	12/27/97
08	WR-69A3	WR-69A3 E9757	S2Y8D072.D	12/27/97
09	WR-711	WR-711 E9761	S2Y8D073.D	12/27/97
10	WR-712	WR-712 E9762	S2Y8D074.D	12/27/97

COMMENTS:

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Lab File ID: B2Y8D076.D Lab Sample ID: LAB BLANK #1 WI
 Instrument ID: ABN2 Date Extracted: 12/10/97
 Matrix: (soil/water) WATER Date Analyzed: 12/27/97
 Level: (low/med) LOW Time Analyzed: 22:18

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WR-631	WR-631 E9731	S2S8D034.D	12/11/97
02	WR-641	WR-641 E9739	S2S8D035.D	12/11/97
03	WR-661	WR-661 E9740	S2S8D036.D	12/11/97
04	WR-664	WR-664 E9743	S2S8D037.D	12/11/97
05	WR-665	WR-665 E9744 0.675	S2S8D038.D	12/11/97
06	WR-667	WR-667 E9745	S2S8D039.D	12/11/97

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID: B2Y8D088.D Lab Sample ID: LAB BLANK #2 WI
Instrument ID: ABN2 Date Extracted: 12/10/97
Matrix: (soil/water) WATER Date Analyzed: 12/28/97
Level: (low/med) LOW Time Analyzed: 08:51

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WR-632	WR-632 E9732	S2Y8D080.D	12/28/97
02	WR-633	WR-633 E9733	S2Y8D081.D	12/28/97
03	WR-634	WR-634 E9734	S2Y8D082.D	12/28/97
04	WR-635	WR-635 E9735	S2Y8D083.D	12/28/97
05	WR-636	WR-636 E9736	S2Y8D084.D	12/28/97
06	WR-637	WR-637 E9737	S2Y8D085.D	12/28/97
07	WR-63A1	WR-63A1 E9738	S2Y8D086.D	12/28/97
08	WR-662	WR-662 E9741	S2Y8D087.D	12/28/97

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #2

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Lab File ID: B2Y8D088.D Lab Sample ID: LAB BLANK #2 WI

Instrument ID: ABN2 Date Extracted: 12/10/97

Matrix: (soil/water) WATER Date Analyzed: 12/28/97

Level: (low/med) LOW Time Analyzed: 08:51

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WR-663	WR-663 E9742	S2Y8D101.D	12/28/97
02	WR-671	WR-671 E9746	S2Y8D102.D	12/28/97
03	WR-672	WR-672 E9747	S2Y8D103.D	12/28/97
04	WR-676	WR-676 E9751	S2Y8D104.D	12/28/97
05	WR-691	WR-691 E9753	S2Y8D105.D	12/29/97
06	WR-692	WR-692 E9754	S2Y8D106.D	12/29/97
07	WR-69A4	WR-69A4 E9758	S2Y8D107.D	12/29/97
08	WR-69A5	WR-69A5 E9759	S2Y8D108.D	12/29/97
09	WR-69A6	WR-69A6 E9760	S2Y8D109.D	12/29/97
10	WR-714	WR-714 E9764	S2Y8D110.D	12/29/97
11	B-1	B-1 E9806	S2Y8D111.D	12/29/97
12	B-2	B-2 E9807	S2Y8D112.D	12/29/97
13	B-3	B-3 E9808	S2Y8D113.D	12/29/97

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: B1Y8D008.D Lab Sample ID: LAB BLANK #3 WI
Instrument ID: ABN1 Date Extracted: 12/16/97
Matrix: (soil/water) WATER Date Analyzed: 12/27/97
Level: (low/med) LOW Time Analyzed: 11:01

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	100 PPB QC	100 PPB QC WIPES	Q1Y8D010.D	12/27/97
02	100 PPB QC DUP	100 PPB QC DUP WIP	Q1Y8D011.D	12/27/97
03	WR-715	WR-715 E9765	S1Y8D012.D	12/27/97
04	WR-721	WR-721 E9767	S1Y8D013.D	12/27/97
05	WR-722	WR-722 E9768	S1Y8D014.D	12/27/97
06	WR-723	WR-723 E9769	S1Y8D015.D	12/27/97
07	WR-724	WR-724 E9770	S1Y8D016.D	12/27/97
08	WR-725	WR-725 E9771	S1Y8D017.D	12/27/97
09	WR-721 DIL 1:10	WR-721 E9767 DIL 1:1	D1Y8D013.D	12/28/97
10	WR-762	WR-762 E9783	S1Y8D029.D	12/28/97
11	WR-763	WR-763 E9784	S1Y8D030.D	12/28/97
12	WR-764	WR-764 E9785	S1Y8D031.D	12/28/97
13	WR-765	WR-765 E9786	S1Y8D032.D	12/28/97
14	WR-H2	WR-H2 E9793	S1Y8D037.D	12/28/97
15	WR-CR1	WR-CR1 E9794	S1Y8D038.D	12/28/97
16	WR-CR2	WR-CR2 E9795	S1Y8D039.D	12/29/97
17	WR-CR3	WR-CR3 E9796	S1Y8D041.D	12/29/97
18	WR-CR4	WR-CR4 E9797	S1Y8D042.D	12/29/97
19	WR-CR9	WR-CR9 E9802	S1Y8D043.D	12/29/97
20	WR-638	WR-638 E9803	S1Y8D044.D	12/29/97

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

LAB BLANK #4

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Lab File ID: B1Y8D010.D Lab Sample ID: LAB BLANK #4 WI

Instrument ID: ABN1 Date Extracted: 12/16/97

Matrix: (soil/water) WATER Date Analyzed: 12/27/97

Level: (low/med) LOW Time Analyzed: 21:55

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	WR-726	WR-726 E9772	S1Y8D018.D	12/27/97
02	WR-727	WR-727 E9773	S1Y8D019.D	12/27/97
03	WR-72A1	WR-72A1 E9774	D1Y8D020.D	12/28/97
04	WR-72A3	WR-72A3 E9775	D1Y8D021.D	12/28/97
05	WR-72A2	WR-72A2 E9776	D1Y8D022.D	12/28/97
06	WR-741	WR-741 E9777	D1Y8D023.D	12/28/97
07	WR-742	WR-742 E9778	D1Y8D024.D	12/28/97
08	WR-743	WR-743 E9779	D1Y8D025.D	12/28/97
09	WR-745	WR-745 E9781	D1Y8D026.D	12/28/97
10	WR-761	WR-761 E9782	D1Y8D027.D	12/28/97
11	WR-741 DIL 1:10	WR-741 E9777 DIL 1:1	S1Y8D023.D	12/28/97
12	WR-768	WR-768 E9789	S1Y8D033.D	12/28/97
13	WR-769	WR-769 E9790	S1Y8D034.D	12/28/97
14	WR-7610	WR-7610 E9791	S1Y8D035.D	12/28/97
15	WR-H1	WR-H1 E9792	S1Y8D036.D	12/28/97
16	WR-639	WR-639 E9804	S1Y8D045.D	12/29/97
17	WR-72A4	WR-72A4 E9805	S1Y8D046.D	12/29/97
18	B-4	B-4 E9809	S1Y8D047.D	12/29/97
19	B-5	B-5 E9810	S1Y8D048.D	12/29/97
20	B-6	B-6 E9811	S1Y8D049.D	12/29/97

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D002.D DFTPP Injection Date: 12/08/97
Instrument ID: ABN2 DFTPP Injection Time: 09:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	49.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	45.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	6.7
442	40.0 - 110.0% of mass 198	47.5
443	15.0 - 24.0% of mass 442	9.2 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	160 PPB STD	C2S8D000.D	12/08/97	10:16
02	SSTD120	120 PPB STD	C2S8D001.D	12/08/97	11:15
03	SSTD80	80 PPB STD	C2S8D002.D	12/08/97	12:15
04	SSTD50	50 PPB STD	C2S8D003.D	12/08/97	13:16
05	SSTD20	20 PPB STD	C2S8D004.D	12/08/97	14:15
06	SSTD10	10 PPB STD	C2S8D005.D	12/08/97	15:14

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Lab File ID: T2S8D075.D DFTPP Injection Date: 12/27/97
 Instrument ID: ABN2 DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	48.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	65.8
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	42.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	18.6
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	6.7
442	40.0 - 110.0% of mass 198	48.8
443	15.0 - 24.0% of mass 442	9.8 (20.1)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	160 PPB STD	C2S8D076.D	12/27/97	12:00
02	SSTD120	120 PPB STD	C2S8D077.D	12/27/97	12:53
03	SSTD80	80 PPB STD	C2S8D078.D	12/27/97	13:46
04	SSTD20	20 PPB STD	C2S8D079.D	12/27/97	14:39
05	SSTD10	10 PPB STD	C2S8D080.D	12/27/97	15:32
06	SSTD50	50 PPB STD	C2S8D081.D	12/27/97	16:24

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D072.D DFTPP Injection Date: 12/26/97
Instrument ID: ABN2 DFTPP Injection Time: 15:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	60.6
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	41.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.4
365	Greater than 0.75% of mass 198	2.3
441	Present, but less than mass 443	8.3
442	40.0 - 110.0% of mass 198	58.7
443	15.0 - 24.0% of mass 442	11.4 (19.5)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	50 PPB CHECK STD	K2S8D072.D	12/26/97	16:00
02	SSTD160	160 PPB STD	C2S8D073.D	12/26/97	16:56
03	SSTD120	120 PPB STD	C2S8D074.D	12/26/97	17:49
04	SSTD80	80 PPB STD	C2S8D075.D	12/26/97	18:43
05	SSTD20	20 PPB STD	C2S8D076.D	12/26/97	19:35
06	SSTD10	10 PPB STD	C2S8D077.D	12/26/97	20:28

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D090.D DFTPP Injection Date: 12/28/97
Instrument ID: ABN2 DFTPP Injection Time: 10:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.1 (0.2)1
69	Mass 69 Relative abundance	61.7
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	25.0 - 75.0% of mass 198	41.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.9
365	Greater than 0.75% of mass 198	2.0
441	Present, but less than mass 443	9.5
442	40.0 - 110.0% of mass 198	65.7
443	15.0 - 24.0% of mass 442	12.7 (19.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	160 PPB STD	C2S8D091.D	12/28/97	11:54
02	SSTD120	120 PPB STD	C2S8D092.D	12/28/97	12:47
03	SSTD80	80 PPB STD	C2S8D093.D	12/28/97	13:40
04	SSTD20	20 PPB STD	C2S8D094.D	12/28/97	14:32
05	SSTD10	10 PPB STD	C2S8D095.D	12/28/97	15:25
06	SSTD50	50 PPB STD	C2S8D096.D	12/28/97	16:17

5B

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Lab File ID: T1S8D004.D DFTPP Injection Date: 12/26/97
 Instrument ID: ABN1 DFTPP Injection Time: 23:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	56.7
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	55.2
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.6
365	Greater than 0.75% of mass 198	3.2
441	Present, but less than mass 443	7.1
442	40.0 - 110.0% of mass 198	50.1
443	15.0 - 24.0% of mass 442	9.6 (19.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	160 PPB STD	C1S8D000.D	12/27/97	00:00
02	SSTD120	120 PPB STD	C1S8D001.D	12/27/97	00:57
03	SSTD80	80 PPB STD	C1S8D002.D	12/27/97	01:54
04	SSTD50	50 PPB STD	C1S8D003.D	12/27/97	02:50
05	SSTD20	20 PPB STD	C1S8D004.D	12/27/97	03:46
06	SSTD10	10 PPB STD	C1S8D005.D	12/27/97	04:42

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID: T1S8D006.D DFTPP Injection Date: 12/27/97
Instrument ID: ABN1 DFTPP Injection Time: 09:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	52.4
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	49.5
197	Less than 1.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.1
365	Greater than 0.75% of mass 198	2.8
441	Present, but less than mass 443	7.7
442	40.0 - 110.0% of mass 198	50.6
443	15.0 - 24.0% of mass 442	9.9 (19.5)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD1C50	50 PPB CHECK STD	K1S8D007.D	12/27/97	10:03
02	LAB BLANK #3	LAB BLANK #3 WIPES	B1Y8D008.D	12/27/97	11:01
03	100 PPB QC	100 PPB QC WIPES	Q1Y8D010.D	12/27/97	12:55
04	100 PPB QC DUP	100 PPB QC DUP WIP	Q1Y8D011.D	12/27/97	13:52
05	WR-715	WR-715 E9765	S1Y8D012.D	12/27/97	14:48
06	WR-721	WR-721 E9767	S1Y8D013.D	12/27/97	15:45
07	WR-722	WR-722 E9768	S1Y8D014.D	12/27/97	16:41
08	WR-723	WR-723 E9769	S1Y8D015.D	12/27/97	17:38
09	WR-724	WR-724 E9770	S1Y8D016.D	12/27/97	18:34
10	WR-725	WR-725 E9771	S1Y8D017.D	12/27/97	19:30

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D020.D DFTPP Injection Date: 12/11/97
Instrument ID: ABN2 DFTPP Injection Time: 08:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	44.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	42.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.8
365	Greater than 0.75% of mass 198	1.9
441	Present, but less than mass 443	7.9
442	40.0 - 110.0% of mass 198	54.5
443	15.0 - 24.0% of mass 442	10.2 (18.8)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTDC50	50 PPB CHECK STD	K2S8D020.D	12/11/97	09:17
02	WR-631	WR-631 E9731	S2S8D034.D	12/11/97	14:55
03	WR-641	WR-641 E9739	S2S8D035.D	12/11/97	15:51
04	WR-661	WR-661 E9740	S2S8D036.D	12/11/97	16:48
05	WR-664	WR-664 E9743	S2S8D037.D	12/11/97	17:43
06	WR-665	WR-665 E9744 0.675	S2S8D038.D	12/11/97	18:38
07	WR-667	WR-667 E9745	S2S8D039.D	12/11/97	19:33

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D073.D DFTPP Injection Date: 12/26/97
Instrument ID: ABN2 DFTPP Injection Time: 22:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	48.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	61.8
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	40.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.1
365	Greater than 0.75% of mass 198	2.0
441	Present, but less than mass 443	7.3
442	40.0 - 110.0% of mass 198	52.6
443	15.0 - 24.0% of mass 442	11.0 (21.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTDC50	50 PPB CHECK STD	K2S8D073.D	12/26/97	22:39
02	WR-665	WR-665 E9744 DIL 1:1	D2Y8D065.D	12/27/97	00:27
03	WR-673	WR-673 E9748	S2Y8D066.D	12/27/97	01:20
04	WR-674	WR-674 E9749	S2Y8D067.D	12/27/97	02:12
05	WR-675	WR-675 E9750	S2Y8D068.D	12/27/97	03:05
06	WR-677	WR-677 E9752	S2Y8D069.D	12/27/97	03:57
07	WR-69A1	WR-69A1 E9755	S2Y8D070.D	12/27/97	04:50
08	WR-69A2	WR-69A2 E9756	S2Y8D071.D	12/27/97	05:43
09	WR-69A3	WR-69A3 E9757	S2Y8D072.D	12/27/97	06:36
10	WR-711	WR-711 E9761	S2Y8D073.D	12/27/97	07:29
11	WR-712	WR-712 E9762	S2Y8D074.D	12/27/97	08:21

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID: T2S8D077.D DFTPP Injection Date: 12/27/97
Instrument ID: ABN2 DFTPP Injection Time: 21:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	50.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	62.7
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	25.0 - 75.0% of mass 198	40.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 0.75% of mass 198	1.9
441	Present, but less than mass 443	9.1
442	40.0 - 110.0% of mass 198	64.7
443	15.0 - 24.0% of mass 442	13.4 (20.7)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTDC50	50 PPB CHECK STD	K2S8D077.D	12/27/97	21:24
02	LAB BLANK #1	LAB BLANK #1 WIPE	B2Y8D076.D	12/27/97	22:18
03	100 PPB QC	100 PPB QC WIPE	Q2Y8D077.D	12/27/97	23:11
04	100 PPB QC DUP	100 PPB QC DUP WIP	Q2Y8D078.D	12/28/97	00:03
05	WR-69A1 DIL 1:10	WR-69A1 E9755 DIL 1:	D2Y8D079.D	12/28/97	00:56
06	WR-632	WR-632 E9732	S2Y8D080.D	12/28/97	01:49
07	WR-633	WR-633 E9733	S2Y8D081.D	12/28/97	02:41
08	WR-634	WR-634 E9734	S2Y8D082.D	12/28/97	03:35
09	WR-635	WR-635 E9735	S2Y8D083.D	12/28/97	04:27
10	WR-636	WR-636 E9736	S2Y8D084.D	12/28/97	05:20
11	WR-637	WR-637 E9737	S2Y8D085.D	12/28/97	06:13
12	WR-63A1	WR-63A1 E9738	S2Y8D086.D	12/28/97	07:06
13	WR-662	WR-662 E9741	S2Y8D087.D	12/28/97	07:59
14	LAB BLANK #2	LAB BLANK #2 WIPE	B2Y8D088.D	12/28/97	08:51

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID: T2S8D100.D DFTPP Injection Date: 12/28/97
Instrument ID: ABN2 DFTPP Injection Time: 19:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	67.2
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	25.0 - 75.0% of mass 198	42.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	20.0
365	Greater than 0.75% of mass 198	2.0
441	Present, but less than mass 443	7.8
442	40.0 - 110.0% of mass 198	58.5
443	15.0 - 24.0% of mass 442	11.0 (18.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTDC50	50 PPB CHECK STD	K2S8D100.D	12/28/97	20:20
02	WR-663	WR-663 E9742	S2Y8D101.D	12/28/97	21:12
03	WR-671	WR-671 E9746	S2Y8D102.D	12/28/97	22:06
04	WR-672	WR-672 E9747	S2Y8D103.D	12/28/97	22:58
05	WR-676	WR-676 E9751	S2Y8D104.D	12/28/97	23:51
06	WR-691	WR-691 E9753	S2Y8D105.D	12/29/97	00:44
07	WR-692	WR-692 E9754	S2Y8D106.D	12/29/97	01:36
08	WR-69A4	WR-69A4 E9758	S2Y8D107.D	12/29/97	02:28
09	WR-69A5	WR-69A5 E9759	S2Y8D108.D	12/29/97	03:22
10	WR-69A6	WR-69A6 E9760	S2Y8D109.D	12/29/97	04:13
11	WR-714	WR-714 E9764	S2Y8D110.D	12/29/97	05:06
12	B-1	B-1 E9806	S2Y8D111.D	12/29/97	05:58
13	B-2	B-2 E9807	S2Y8D112.D	12/29/97	06:50
14	B-3	B-3 E9808	S2Y8D113.D	12/29/97	07:42

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID: T1S8D008.D DFTPP Injection Date: 12/27/97
Instrument ID: ABN1 DFTPP Injection Time: 20:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	31.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	40.1
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	25.0 - 75.0% of mass 198	42.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	23.4
365	Greater than 0.75% of mass 198	3.2
441	Present, but less than mass 443	9.0
442	40.0 - 110.0% of mass 198	59.1
443	15.0 - 24.0% of mass 442	12.6 (21.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD2C50	50 PPB CHECK STD	K1S8D008.D	12/27/97	20:58
02	LAB BLANK #4	LAB BLANK #4 WIPES	B1Y8D010.D	12/27/97	21:55
03	WR-726	WR-726 E9772	S1Y8D018.D	12/27/97	22:52
04	WR-727	WR-727 E9773	S1Y8D019.D	12/27/97	23:48
05	WR-721 DIL 1:10	WR-721 E9767 DIL 1:1	D1Y8D013.D	12/28/97	00:45
06	WR-72A1	WR-72A1 E9774	D1Y8D020.D	12/28/97	01:41
07	WR-72A3	WR-72A3 E9775	D1Y8D021.D	12/28/97	02:37
08	WR-72A2	WR-72A2 E9776	D1Y8D022.D	12/28/97	03:34
09	WR-741	WR-741 E9777	D1Y8D023.D	12/28/97	04:30
10	WR-742	WR-742 E9778	D1Y8D024.D	12/28/97	05:27
11	WR-743	WR-743 E9779	D1Y8D025.D	12/28/97	06:23
12	WR-745	WR-745 E9781	D1Y8D026.D	12/28/97	07:19
13	WR-761	WR-761 E9782	D1Y8D027.D	12/28/97	08:15

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T1S8D028.D DFTPP Injection Date: 12/28/97
Instrument ID: ABN1 DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	32.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	45.3
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	46.8
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	23.4
365	Greater than 0.75% of mass 198	3.0
441	Present, but less than mass 443	9.0
442	40.0 - 110.0% of mass 198	54.3
443	15.0 - 24.0% of mass 442	10.7 (19.7)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD3C50	50 PPB CHECK STD	K1S8D028.D	12/28/97	10:51
02	WR-741 DIL 1:10	WR-741 E9777 DIL 1:1	S1Y8D023.D	12/28/97	11:48
03	WR-762	WR-762 E9783	S1Y8D029.D	12/28/97	12:45
04	WR-763	WR-763 E9784	S1Y8D030.D	12/28/97	13:41
05	WR-764	WR-764 E9785	S1Y8D031.D	12/28/97	14:38
06	WR-765	WR-765 E9786	S1Y8D032.D	12/28/97	15:34
07	WR-768	WR-768 E9789	S1Y8D033.D	12/28/97	16:30
08	WR-769	WR-769 E9790	S1Y8D034.D	12/28/97	17:27
09	WR-7610	WR-7610 E9791	S1Y8D035.D	12/28/97	18:23
10	WR-H1	WR-H1 E9792	S1Y8D036.D	12/28/97	19:19

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID: T1S8D040.D DFTPP Injection Date: 12/28/97
Instrument ID: ABN1 DFTPP Injection Time: 20:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	31.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	44.2
70	Less than 2.0% of mass 69	0.6 (1.4)1
127	25.0 - 75.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	22.8
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	7.9
442	40.0 - 110.0% of mass 198	50.8
443	15.0 - 24.0% of mass 442	10.9 (21.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4C50	50 PPB CHECK STD	K1S8D040.D	12/28/97	21:23
02	WR-H2	WR-H2 E9793	S1Y8D037.D	12/28/97	22:20
03	WR-CR1	WR-CR1 E9794	S1Y8D038.D	12/28/97	23:17
04	WR-CR2	WR-CR2 E9795	S1Y8D039.D	12/29/97	00:13
05	WR-CR3	WR-CR3 E9796	S1Y8D041.D	12/29/97	01:09
06	WR-CR4	WR-CR4 E9797	S1Y8D042.D	12/29/97	02:06
07	WR-CR9	WR-CR9 E9802	S1Y8D043.D	12/29/97	03:02
08	WR-638	WR-638 E9803	S1Y8D044.D	12/29/97	03:58
09	WR-639	WR-639 E9804	S1Y8D045.D	12/29/97	04:54
10	WR-72A4	WR-72A4 E9805	S1Y8D046.D	12/29/97	05:50
11	B-4	B-4 E9809	S1Y8D047.D	12/29/97	06:47
12	B-5	B-5 E9810	S1Y8D048.D	12/29/97	07:43
13	B-6	B-6 E9811	S1Y8D049.D	12/29/97	08:39

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 08 14:29:07 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D001.D 80 =C2S8D002.D 50 =C2S8D003.D
20 =C2S8D004.D 10 =C2S8D005.D 160 =C2S8D000.D

Compound	120	80	50	20	10	160	Avg	%RSD

1) I 1,4-Dichlorobenzene-d	-----ISTD-----							
2) T N-Nitrosodimethylam	0.562	0.600	0.568	0.530	0.592		0.570	4.84
3) S 2-Fluorophenol	1.117	1.134	1.120	1.077	1.144		1.118	2.26
4) T bis(2-Chloroethyl)e	1.087	1.205	1.230	1.202	1.257		1.196	5.41
5) S Phenol-d5	1.382	1.477	1.465	1.420	1.455		1.440	2.69
6) CMT Phenol	1.352	1.481	1.406	1.400	1.360		1.400	3.65
7) MT 2-Chlorophenol	1.084	1.157	1.217	1.204	1.264		1.185	5.77
8) T 1,3-Dichlorobenzene	1.266	1.367	1.374	1.401	1.458		1.373	5.08
9) CMT 1,4-Dichlorobenzene	1.330	1.419	1.449	1.484	1.564		1.449	5.94
10) T 1,2-Dichlorobenzene	1.222	1.303	1.310	1.306	1.418		1.312	5.33
11) T Benzyl alcohol	0.694	0.740	0.709	0.619	0.524		0.657	13.19
12) T bis(2-chloroisoprop	1.250	1.335	1.297	1.265	1.267		1.283	2.62
13) T 2-Methylphenol	0.926	1.004	1.022	1.024	0.997		0.994	4.02
14) T Hexachloroethane	0.532	0.582	0.553	0.556	0.554		0.555	3.17
15) PMT N-Nitroso-di-n-prop	0.728	0.785	0.792	0.783	0.711		0.760	4.91
16) T 4-Methylphenol	1.001	1.080	1.098	1.062	1.054		1.059	3.45

17) I Naphthalene-d8	-----ISTD-----							
18) S Nitrobenzene-d5	0.338	0.349	0.348	0.331	0.327		0.339	2.85
19) T Nitrobenzene	0.321	0.342	0.340	0.334	0.326		0.333	2.64
20) T Isophorone	0.615	0.608	0.626	0.626	0.609		0.617	1.44
21) CT 2-Nitrophenol	0.219	0.228	0.224	0.209	0.189		0.214	7.40
22) T 2,4-Dimethylphenol	0.319	0.332	0.348	0.349	0.340		0.338	3.74
23) T bis(2-Chloroethoxy)	0.365	0.375	0.388	0.382	0.392		0.380	2.77
24) CT 2,4-Dichlorophenol	0.295	0.304	0.307	0.311	0.304		0.304	1.91
25) MT 1,2,4-Trichlorobenz	0.314	0.314	0.337	0.354	0.371		0.338	7.38
26) T Naphthalene	0.821	0.883	0.943	0.969	0.993		0.922	7.54
27) T 4-Chloroaniline	0.401	0.426	0.447	0.438	0.421		0.426	4.03
28) CT Hexachlorobutadiene	0.174	0.181	0.174	0.196	0.213		0.188	9.04
29) CMT 4-Chloro-3-methylph	0.264	0.283	0.293	0.268	0.233		0.268	8.52
30) T 2-Methylnaphthalene	0.539	0.575	0.620	0.643	0.681		0.612	9.16

31) I Acenaphthene-d10	-----ISTD-----							
32) PT Hexachlorocyclopent	0.319	0.317	0.305	0.296	0.237		0.295	11.47
33) CT 2,4,6-Trichlorophen	0.364	0.381	0.387	0.379	0.364		0.375	2.81
34) T 2,4,5-Trichlorophen	0.383	0.411	0.416	0.416	0.331		0.392	9.35
35) S 2-Fluorobiphenyl	1.106	1.163	1.212	1.315	1.393		1.238	9.37
36) T 2-Chloronaphthalene	0.960	1.012	1.068	1.091	1.136		1.054	6.52
37) T 2-Nitroaniline	0.304	0.315	0.303	0.264	0.195		0.276	15.94
38) T Acenaphthylene	1.488	1.586	1.677	1.737	1.783		1.654	7.17
39) T Dimethylphthalate	1.128	1.161	1.262	1.295	1.366		1.242	7.87
40) T 2,6-Dinitrotoluene	0.309	0.327	0.328	0.300	0.254		0.304	9.98
41) CM Acenaphthene	0.883	0.932	0.979	1.069	1.097		0.992	9.08

(#) = Out of Range

8270.M

Mon Dec 08 16:12:39 1997

ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 08 14:29:07 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D001.D 80 =C2S8D002.D 50 =C2S8D003.D
20 =C2S8D004.D 10 =C2S8D005.D 160 =C2S8D000.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.414	0.437	0.416	0.355		0.415	0.408	7.51
43) PT	2,4-Dinitrophenol	0.204	0.188	0.147	0.085		0.206	0.166	30.88
44) T	Dibenzofuran	1.532	1.619	1.649	1.659	1.747		1.641	4.72
45) M	2,4-Dinitrotoluene	0.420	0.412	0.415	0.366	0.298		0.382	13.54
46) PM	4-Nitrophenol	0.116	0.109	0.087	0.053		0.115	0.096	22.06
47) T	Fluorene	1.039	1.060	1.141	1.159	1.144		1.108	4.96
48) T	4-Chlorophenyl-phen	0.273	0.292	0.314	0.314	0.318		0.302	6.41
49) T	Diethylphthalate	1.112	1.184	1.294	1.316	1.324		1.246	7.54
50) T	4-Nitroaniline	0.287	0.277	0.225	0.165		0.276	0.246	20.87
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.162	0.168	0.152	0.121		0.159	0.152	12.17
53) CT	n-Nitrosodiphenylam	0.438	0.480	0.526	0.558	0.550		0.510	9.91
54) S	2,4,6-Tribromopheno	0.133	0.133	0.131	0.123	0.112		0.126	7.27
55) T	4-Bromophenyl-pheny	0.216	0.238	0.236	0.250	0.249		0.238	5.81
56) T	Hexachlorobenzene	0.239	0.266	0.271	0.286	0.313		0.275	9.94
57) CM	Pentachlorophenol	0.165	0.169	0.151	0.124		0.163	0.155	11.79
58) T	Phenanthrene	0.897	0.932	0.974	1.049	1.083		0.987	7.90
59) T	Anthracene	0.920	0.970	1.021	1.052	1.068		1.006	6.07
60) T	Di-n-butylphthalate	1.163	1.167	1.268	1.288	1.270		1.231	4.95
61) CT	Fluoranthene	0.849	0.844	0.868	0.856	0.857		0.855	1.10
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.351	1.394	1.637	1.785	1.790		1.591	13.19
64) S	Terphenyl-d14	0.941	0.986	1.120	1.218	1.224		1.098	11.88
65) T	Butylbenzylphthalat	0.675	0.675	0.751	0.749	0.659		0.702	6.35
66) T	3,3'-Dichlorobenzid	0.304	0.287	0.226	0.193	0.133		0.229	20.67
67) T	Benzo[a]anthracene	1.018	0.986	1.036	0.972	0.998		1.002	2.50
68) T	Chrysene	0.927	0.980	1.012	1.074	1.013		1.001	5.33
69) T	bis(2-Ethylhexyl)ph	0.934	0.945	1.071	1.138	1.058		1.029	8.49
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	1.881	2.037	2.158	1.914	1.408		1.879	15.10
72) T	Benzo[b]fluoranthen	1.144	1.274	1.219	1.136	1.007		1.156	8.73
73) T	Benzo[k]fluoranthen	1.033	1.099	1.129	1.062	1.121		1.089	3.73
74) CT	Benzo[a]pyrene	0.989	1.006	0.963	0.883	0.812		0.931	8.73
75) T	Indeno[1,2,3-cd]pyr	0.784	0.810	0.782	0.733	0.752		0.772	3.92
76) T	Dibenzo[a,h]anthrace	0.619	0.643	0.617	0.565	0.528		0.594	7.87
77) T	Benzo[g,h,i]perylen	0.691	0.712	0.727	0.718	0.700		0.710	2.01

Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 26 21:45:34 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D074.D 80 =C2S8D075.D 50 =K2S8D072.D
20 =C2S8D076.D 10 =C2S8D077.D 160 =C2S8D073.D

	Compound	120	80	50	20	10	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.608	0.607	0.671	0.570	0.551		0.601	7.68
3) S	2-Fluorophenol	0.999	1.104	1.169	0.949	1.051		1.054	8.18
4) T	bis(2-Chloroethyl)e	0.977	1.152	1.554	1.404	1.414		1.300	17.80
5) S	Phenol-d5	1.240	1.380	1.376	1.431	1.449		1.375	5.95
6) CMT	Phenol	1.056	1.264	1.457	1.454	1.435		1.333	13.10
7) MT	2-Chlorophenol	0.982	1.114	1.227	1.216	1.157		1.139	8.69
8) T	1,3-Dichlorobenzene	1.247	1.348	1.367	1.433	1.466		1.372	6.20
9) CMT	1,4-Dichlorobenzene	1.285	1.418	1.439	1.478	1.546		1.433	6.72
10) T	1,2-Dichlorobenzene	1.149	1.281	1.323	1.363	1.422		1.308	7.84
11) T	Benzyl alcohol	0.725	0.730	0.674	0.588	0.509		0.645	14.72
12) T	bis(2-chloroisoprop	2.168	2.227	1.911	2.299	2.375		2.196	8.07
13) T	2-Methylphenol	0.937	0.993	1.025	0.993	0.964		0.983	3.37
14) T	Hexachloroethane	0.561	0.584	0.623	0.616	0.637		0.604	5.13
15) PMT	N-Nitroso-di-n-prop	0.858	0.910	0.887	0.899	0.919		0.894	2.65
16) T	4-Methylphenol	1.027	1.073	1.081	1.045	0.947		1.035	5.15
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.377	0.377	0.423	0.388	0.373		0.388	5.25
19) T	Nitrobenzene	0.347	0.367	0.417	0.404	0.396		0.386	7.40
20) T	Isophorone	0.728	0.706	0.788	0.765	0.752		0.748	4.25
21) CT	2-Nitrophenol	0.223	0.231	0.243	0.224	0.205		0.225	6.23
22) T	2,4-Dimethylphenol	0.333	0.353	0.372	0.366	0.355		0.356	4.17
23) T	bis(2-Chloroethoxy)	0.390	0.405	0.454	0.456	0.476		0.436	8.45
24) CT	2,4-Dichlorophenol	0.303	0.322	0.339	0.327	0.344		0.327	4.87
25) MT	1,2,4-Trichlorobenz	0.332	0.348	0.344	0.398	0.432		0.371	11.45
26) T	Naphthalene	0.789	0.850	0.975	1.027	1.062		0.941	12.43
27) T	4-Chloroaniline	0.451	0.489	0.527	0.490	0.441		0.479	7.18
28) CT	Hexachlorobutadiene	0.185	0.203	0.201	0.260	0.246		0.219	14.60
29) CMT	4-Chloro-3-methylph	0.315	0.328	0.352	0.355	0.327		0.335	5.15
30) T	2-Methylnaphthalene	0.513	0.561	0.630	0.669	0.717		0.618	13.25
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.378	0.403	0.388	0.361	0.323		0.371	8.20
33) CT	2,4,6-Trichlorophen	0.371	0.412	0.436	0.444	0.445		0.422	7.36
34) T	2,4,5-Trichlorophen	0.411	0.456	0.438	0.480	0.446		0.446	5.62
35) S	2-Fluorobiphenyl	1.045	1.124	1.260	1.344	1.433		1.241	12.74
36) T	2-Chloronaphthalene	0.916	0.978	1.060	1.145	1.201		1.060	11.01
37) T	2-Nitroaniline	0.428	0.432	0.454	0.409	0.351		0.415	9.48
38) T	Acenaphthylene	1.488	1.577	1.774	1.873	1.932		1.729	11.03
39) T	Dimethylphthalate	1.291	1.338	1.456	1.495	1.593		1.435	8.46
40) T	2,6-Dinitrotoluene	0.345	0.350	0.370	0.346	0.317		0.346	5.53
41) CM	Acenaphthene	0.897	0.954	1.083	1.149	1.225		1.062	12.78

(#) = Out of Range
8270.M

Sat Dec 27 11:29:44 1997

ABN2

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Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 26 21:45:34 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D074.D 80 =C2S8D075.D 50 =K2S8D072.D
20 =C2S8D076.D 10 =C2S8D077.D 160 =C2S8D073.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.466	0.477	0.486	0.444		0.445	0.464	4.08
43) PT	2,4-Dinitrophenol	0.205	0.193	0.160	0.110		0.184	0.170	22.12
44) T	Dibenzofuran	1.479	1.549	1.626	1.817	1.935		1.681	11.29
45) M	2,4-Dinitrotoluene	0.427	0.438	0.469	0.441	0.392		0.433	6.43
46) PM	4-Nitrophenol	0.144	0.134	0.143	0.112		0.127	0.132	10.21
47) T	Fluorene	1.082	1.151	1.245	1.371	1.432		1.256	11.63
48) T	4-Chlorophenyl-phen	0.292	0.314	0.346	0.407	0.427		0.357	16.40
49) T	Diethylphthalate	1.172	1.246	1.449	1.580	1.593		1.408	13.65
50) T	4-Nitroaniline	0.360	0.352	0.315	0.276		0.304	0.321	10.87
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.159	0.169	0.154	0.127		0.143	0.150	10.87
53) CT	n-Nitrosodiphenylam	0.347	0.384	0.444	0.476	0.490		0.428	14.27
54) S	2,4,6-Tribromopheno	0.171	0.183	0.178	0.195	0.198		0.185	6.09
55) T	4-Bromophenyl-pheny	0.224	0.243	0.249	0.280	0.290		0.257	10.56
56) T	Hexachlorobenzene	0.306	0.324	0.341	0.411	0.418		0.360	14.24
57) CM	Pentachlorophenol	0.203	0.204	0.204	0.200		0.194	0.201	2.22
58) T	Phenanthrene	0.863	0.905	0.986	1.054	1.143		0.990	11.37
59) T	Anthracene	0.898	0.961	1.044	1.112	1.172		1.037	10.66
60) T	Di-n-butylphthalate	1.206	1.246	1.470	1.467	1.472		1.372	9.77
61) CT	Fluoranthene	0.969	0.992	1.014	1.135	1.183		1.059	8.95
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.083	1.145	1.354	1.350	1.483		1.283	12.84
64) S	Terphenyl-d14	0.761	0.801	0.949	0.972	1.019		0.900	12.53
65) T	Butylbenzylphthalat	0.586	0.583	0.702	0.668	0.683		0.644	8.69
66) T	3,3'-Dichlorobenzid	0.288	0.267	0.232	0.204	0.218		0.242	14.53
67) T	Benzo[a]anthracene	0.828	0.908	0.910	0.999	1.006		0.930	7.92
68) T	Chrysene	0.809	0.816	0.857	0.876	0.957		0.863	6.88
69) T	bis(2-Ethylhexyl)ph	0.804	0.830	1.038	0.990	1.133		0.959	14.58
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	1.522	1.722	1.977	1.909	1.925		1.811	10.39
72) T	Benzo[b]fluoranthen	1.133	1.241	1.204	1.151	1.327		1.211	6.42
73) T	Benzo[k]fluoranthen	0.874	0.993	0.965	1.061	1.009		0.980	7.04
74) CT	Benzo[a]pyrene	0.898	0.970	0.989	0.971	0.894		0.944	4.76
75) T	Indeno[1,2,3-cd]pyr	1.005	1.031	0.998	0.872	0.837		0.949	9.25
76) T	Dibenz[a,h]anthrace	0.829	0.868	0.792	0.669	0.703		0.772	10.86
77) T	Benzo[g,h,i]perylen	0.863	0.920	0.895	0.865	0.880		0.885	2.68

Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 27 20:26:18 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D077.D 80 =C2S8D078.D 50 =C2S8D081.D
20 =C2S8D079.D 10 =C2S8D080.D 160 =C2S8D076.D

	Compound	120	80	50	20	10	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.777	0.805	0.727	0.689	0.785		0.756	6.26
3) S	2-Fluorophenol	1.164	1.178	1.084	1.181	1.121		1.145	3.67
4) T	bis(2-Chloroethyl)e	1.174	1.433	1.442	1.540	1.670		1.452	12.56
5) S	Phenol-d5	1.446	1.653	1.385	1.705	1.817		1.601	11.30
6) CMT	Phenol	1.321	1.532	1.598	1.752	1.825		1.606	12.32
7) MT	2-Chlorophenol	1.016	1.174	1.227	1.239	1.349		1.201	10.11
8) T	1,3-Dichlorobenzene	1.290	1.376	1.361	1.394	1.473		1.379	4.75
9) CMT	1,4-Dichlorobenzene	1.317	1.446	1.456	1.466	1.550		1.447	5.77
10) T	1,2-Dichlorobenzene	1.229	1.333	1.334	1.321	1.418		1.327	5.05
11) T	Benzyl alcohol	0.824	0.819	0.723	0.681	0.667		0.743	10.08
12) T	bis(2-chloroisoprop	2.404	2.511	2.381	2.564	2.558		2.484	3.46
13) T	2-Methylphenol	1.059	1.100	1.024	1.219	1.187		1.118	7.44
14) T	Hexachloroethane	0.619	0.646	0.660	0.657	0.661		0.648	2.68
15) PMT	N-Nitroso-di-n-prop	1.028	1.082	0.989	1.081	1.076		1.051	3.96
16) T	4-Methylphenol	1.151	1.205	1.107	1.236	1.272		1.194	5.52
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.453	0.460	0.457	0.467	0.460		0.459	1.06
19) T	Nitrobenzene	0.429	0.442	0.447	0.471	0.480		0.454	4.70
20) T	Isophorone	0.815	0.812	0.844	0.876	0.896		0.849	4.36
21) CT	2-Nitrophenol	0.230	0.240	0.240	0.232	0.218		0.232	3.89
22) T	2,4-Dimethylphenol	0.370	0.387	0.389	0.400	0.399		0.389	3.08
23) T	bis(2-Chloroethoxy)	0.466	0.488	0.499	0.537	0.552		0.509	6.97
24) CT	2,4-Dichlorophenol	0.294	0.315	0.329	0.331	0.350		0.324	6.43
25) MT	1,2,4-Trichlorobenz	0.300	0.323	0.338	0.355	0.371		0.337	8.21
26) T	Naphthalene	0.818	0.888	0.974	1.035	1.072		0.957	10.91
27) T	4-Chloroaniline	0.438	0.502	0.476	0.505	0.483		0.481	5.63
28) CT	Hexachlorobutadiene	0.144	0.174	0.187	0.230	0.203		0.188	17.23
29) CMT	4-Chloro-3-methylph	0.320	0.346	0.343	0.359	0.340		0.342	4.10
30) T	2-Methylnaphthalene	0.519	0.561	0.596	0.666	0.681		0.605	11.39
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.343	0.361	0.318	0.280	0.258		0.312	13.83
33) CT	2,4,6-Trichlorophen	0.379	0.416	0.406	0.433	0.427		0.412	5.08
34) T	2,4,5-Trichlorophen	0.406	0.444	0.428	0.456	0.436		0.434	4.26
35) S	2-Fluorobiphenyl	1.062	1.169	1.231	1.333	1.498		1.259	13.19
36) T	2-Chloronaphthalene	0.977	1.062	1.070	1.124	1.254		1.097	9.30
37) T	2-Nitroaniline	0.510	0.531	0.460	0.463	0.419		0.477	9.28
38) T	Acenaphthylene	1.557	1.695	1.725	1.851	1.969		1.759	8.91
39) T	Dimethylphthalate	1.283	1.358	1.354	1.460	1.556		1.402	7.63
40) T	2,6-Dinitrotoluene	0.318	0.366	0.338	0.329	0.300		0.330	7.41
41) CM	Acenaphthene	0.913	1.019	1.047	1.127	1.235		1.068	11.30

(#) = Out of Range
8270.M

Sat Dec 27 22:08:46 1997

ABN2

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Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 27 20:26:18 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D077.D 80 =C2S8D078.D 50 =C2S8D081.D
20 =C2S8D079.D 10 =C2S8D080.D 160 =C2S8D076.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.493	0.496	0.445	0.435		0.444	0.463	6.36
43) PT	2,4-Dinitrophenol	0.199	0.169	0.098	0.073		0.153	0.138	37.44
44) T	Dibenzofuran	1.501	1.601	1.577	1.740	1.812		1.646	7.69
45) M	2,4-Dinitrotoluene	0.431	0.435	0.404	0.414	0.329		0.403	10.75
46) PM	4-Nitrophenol	0.153	0.136	0.104	0.122		0.131	0.129	14.12
47) T	Fluorene	1.075	1.166	1.168	1.251	1.319		1.196	7.73
48) T	4-Chlorophenyl-phen	0.290	0.306	0.320	0.356	0.388		0.332	11.97
49) T	Diethylphthalate	1.213	1.310	1.398	1.522	1.616		1.412	11.42
50) T	4-Nitroaniline	0.327	0.295	0.221	0.257		0.265	0.273	14.68
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.154	0.163	0.133	0.106		0.149	0.141	16.01
53) CT	n-Nitrosodiphenylam	0.352	0.455	0.508	0.534	0.578		0.485	17.94
54) S	2,4,6-Tribromopheno	0.146	0.167	0.150	0.153	0.156		0.154	5.31
55) T	4-Bromophenyl-pheny	0.211	0.226	0.253	0.257	0.279		0.245	10.82
56) T	Hexachlorobenzene	0.289	0.299	0.332	0.349	0.399		0.334	13.17
57) CM	Pentachlorophenol	0.185	0.186	0.165	0.170		0.173	0.176	5.25
58) T	Phenanthrene	0.892	0.935	0.998	1.070	1.142		1.007	10.01
59) T	Anthracene	0.897	0.942	1.019	1.081	1.107		1.009	8.85
60) T	Di-n-butylphthalate	1.256	1.392	1.468	1.611	1.556		1.457	9.61
61) CT	Fluoranthene	0.857	0.851	0.807	1.017	0.821		0.871	9.69
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.281	1.638	1.815	1.580	2.292		1.721	21.64
64) S	Terphenyl-d14	0.847	1.054	1.183	0.998	1.322		1.081	16.71
65) T	Butylbenzylphthalat	0.739	0.882	0.938	0.866	1.016		0.888	11.46
66) T	3,3'-Dichlorobenzid	0.314	0.289	0.225	0.284	0.175		0.257	22.00
67) T	Benzo[a]anthracene	0.941	0.970	0.955	1.054	0.972		0.979	4.53
68) T	Chrysene	0.813	0.849	0.901	1.029	1.022		0.923	10.72
69) T	bis(2-Ethylhexyl)ph	1.002	1.199	1.292	1.319	1.629		1.288	17.66
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	1.749	2.311	2.297	2.364	2.426		2.229	12.25
72) T	Benzo[b]fluoranthen	1.017	1.072	1.063	1.038	1.079		1.054	2.46
73) T	Benzo[k]fluoranthen	0.817	1.040	1.043	1.145	0.942		0.998	12.39
74) CT	Benzo[a]pyrene	0.858	0.918	0.918	1.009	0.862		0.913	6.66
75) T	Indeno[1,2,3-cd]pyr	0.893	0.941	0.887	0.885	0.737		0.869	8.88
76) T	Dibenz[a,h]anthrace	0.820	0.819	0.711	0.769	0.531		0.730	16.41
77) T	Benzo[g,h,i]perylene	0.856	0.851	0.839	0.934	0.700		0.836	10.14

Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sun Dec 28 19:45:26 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D092.D 80 =C2S8D093.D 50 =C2S8D096.D
20 =C2S8D094.D 10 =C2S8D095.D 160 =C2S8D091.D

	Compound	120	80	50	20	10	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.829	0.765	0.776	0.799	0.684		0.771	7.04
3) S	2-Fluorophenol	1.247	1.233	1.187	1.211	1.140		1.203	3.49
4) T	bis(2-Chloroethyl)e	1.280	1.366	1.415	1.519	1.548		1.426	7.74
5) S	Phenol-d5	1.538	1.659	1.667	1.706	1.718		1.657	4.31
6) CMT	Phenol	1.434	1.556	1.622	1.775	1.668		1.611	7.90
7) MT	2-Chlorophenol	1.106	1.222	1.176	1.263	1.270		1.207	5.64
8) T	1,3-Dichlorobenzene	1.346	1.358	1.342	1.404	1.448		1.380	3.31
9) CMT	1,4-Dichlorobenzene	1.406	1.453	1.424	1.483	1.585		1.470	4.80
10) T	1,2-Dichlorobenzene	1.249	1.357	1.283	1.349	1.387		1.325	4.30
11) T	Benzyl alcohol	0.800	0.782	0.726	0.668	0.556		0.706	13.99
12) T	bis(2-chloroisoprop	2.336	2.385	2.284	2.366	2.317		2.338	1.71
13) T	2-Methylphenol	1.059	1.072	1.054	1.125	1.075		1.077	2.63
14) T	Hexachloroethane	0.629	0.669	0.627	0.625	0.618		0.634	3.20
15) PMT	N-Nitroso-di-n-prop	1.033	1.035	1.049	1.040	0.939		1.019	4.42
16) T	4-Methylphenol	1.145	1.150	1.148	1.198	1.111		1.150	2.68
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.441	0.441	0.444	0.465	0.423		0.443	3.36
19) T	Nitrobenzene	0.431	0.440	0.458	0.468	0.434		0.446	3.62
20) T	Isophorone	0.833	0.819	0.811	0.886	0.836		0.837	3.50
21) CT	2-Nitrophenol	0.232	0.234	0.238	0.234	0.195		0.227	7.90
22) T	2,4-Dimethylphenol	0.358	0.365	0.396	0.400	0.356		0.375	5.66
23) T	bis(2-Chloroethoxy)	0.459	0.470	0.495	0.519	0.503		0.489	4.98
24) CT	2,4-Dichlorophenol	0.295	0.299	0.319	0.333	0.302		0.310	5.13
25) MT	1,2,4-Trichlorobenz	0.303	0.319	0.334	0.354	0.364		0.335	7.50
26) T	Naphthalene	0.834	0.913	0.962	1.054	1.014		0.956	9.02
27) T	4-Chloroaniline	0.438	0.459	0.494	0.503	0.467		0.472	5.57
28) CT	Hexachlorobutadiene	0.161	0.177	0.193	0.207	0.186		0.185	9.34
29) CMT	4-Chloro-3-methylph	0.330	0.349	0.357	0.354	0.331		0.344	3.79
30) T	2-Methylnaphthalene	0.533	0.579	0.596	0.666	0.672		0.609	9.71
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.330	0.340	0.324	0.272	0.196		0.292	20.47
33) CT	2,4,6-Trichlorophen	0.363	0.416	0.419	0.422	0.410		0.406	5.96
34) T	2,4,5-Trichlorophen	0.415	0.460	0.449	0.437	0.408		0.434	5.11
35) S	2-Fluorobiphenyl	1.039	1.167	1.229	1.296	1.394		1.225	10.94
36) T	2-Chloronaphthalene	0.980	1.041	1.056	1.121	1.159		1.072	6.56
37) T	2-Nitroaniline	0.525	0.559	0.541	0.497	0.413		0.507	11.30
38) T	Acenaphthylene	1.580	1.702	1.766	1.877	1.880		1.761	7.19
39) T	Dimethylphthalate	1.333	1.379	1.462	1.457	1.542		1.434	5.64
40) T	2,6-Dinitrotoluene	0.354	0.363	0.365	0.332	0.292		0.341	8.92
41) CM	Acenaphthene	0.939	1.035	1.071	1.113	1.180		1.068	8.39

Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sun Dec 28 19:45:26 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D092.D 80 =C2S8D093.D 50 =C2S8D096.D
20 =C2S8D094.D 10 =C2S8D095.D 160 =C2S8D091.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.498	0.517	0.502	0.461		0.491	0.494	4.18
43) PT	2,4-Dinitrophenol	0.214	0.198	0.163	0.100		0.221	0.179	27.74
44) T	Dibenzofuran	1.521	1.651	1.694	1.732	1.798		1.679	6.17
45) M	2,4-Dinitrotoluene	0.461	0.484	0.467	0.437	0.343		0.438	12.81
46) PM	4-Nitrophenol	0.180	0.179	0.165	0.143		0.195	0.172	11.33
47) T	Fluorene	1.146	1.221	1.265	1.311	1.326		1.254	5.84
48) T	4-Chlorophenyl-phen	0.300	0.315	0.336	0.359	0.367		0.335	8.48
49) T	Diethylphthalate	1.311	1.422	1.486	1.573	1.548		1.468	7.19
50) T	4-Nitroaniline	0.421	0.422	0.402	0.337		0.416	0.400	9.00
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.169	0.171	0.163	0.133		0.149	0.157	10.26
53) CT	n-Nitrosodiphenylam	0.387	0.431	0.490	0.533	0.525		0.473	13.21
54) S	2,4,6-Tribromopheno	0.138	0.151	0.158	0.158	0.144		0.150	5.78
55) T	4-Bromophenyl-pheny	0.204	0.221	0.231	0.238	0.228		0.224	5.76
56) T	Hexachlorobenzene	0.272	0.291	0.311	0.328	0.355		0.311	10.42
57) CM	Pentachlorophenol	0.187	0.198	0.199	0.178		0.184	0.189	4.72
58) T	Phenanthrene	0.889	0.938	0.999	1.081	1.119		1.005	9.55
59) T	Anthracene	0.927	0.982	1.022	1.120	1.133		1.037	8.56
60) T	Di-n-butylphthalate	1.323	1.529	1.534	1.646	1.558		1.518	7.81
61) CT	Fluoranthene	0.925	1.062	1.050	1.143	1.132		1.063	8.19
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.159	1.254	1.368	1.344	1.482		1.321	9.23
64) S	Terphenyl-d14	0.769	0.835	0.894	0.912	0.985		0.879	9.30
65) T	Butylbenzylphthalat	0.717	0.769	0.796	0.795	0.870		0.789	7.03
66) T	3,3'-Dichlorobenzid	0.306	0.311	0.316	0.301	0.241		0.295	10.44
67) T	Benzo[a]anthracene	0.942	0.941	0.961	1.042	1.059		0.989	5.77
68) T	Chrysene	0.862	0.892	0.951	1.000	1.064		0.954	8.54
69) T	bis(2-Ethylhexyl)ph	0.977	1.107	1.171	1.206	1.464		1.185	15.08
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	1.858	2.076	2.256	2.356	2.428		2.195	10.48
72) T	Benzo[b]fluoranthen	1.071	1.158	1.217	1.260	1.208		1.183	6.14
73) T	Benzo[k]fluoranthen	0.900	0.982	1.084	1.147	1.036		1.030	9.20
74) CT	Benzo[a]pyrene	0.914	0.928	1.008	0.957	0.915		0.944	4.19
75) T	Indeno[1,2,3-cd]pyr	0.951	0.971	1.052	1.000	0.826		0.960	8.78
76) T	Dibenz[a,h]anthrace	0.782	0.833	0.845	0.807	0.703		0.794	7.08
77) T	Benzo[g,h,i]perylen	0.827	0.875	1.004	0.913	0.823		0.888	8.36

Response Factor Report ABN1

Method : C:\HPCHEM\1\METHODS\8271.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 27 09:30:42 1997
Response via : Initial Calibration

Calibration Files

120 =C1S8D001.D 80 =C1S8D002.D 50 =C1S8D003.D
20 =C1S8D004.D 10 =C1S8D005.D 160 =C1S8D000.D

Compound		120	80	50	20	10	160	Avg	%RSD

1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.682	0.656	0.640	0.607	0.563		0.630	7.30
3) S	2-Fluorophenol	1.279	1.259	1.269	1.285	1.232		1.265	1.66
4) T	bis(2-Chloroethyl)e	1.242	1.252	1.296	1.213	1.295		1.260	2.84
5) S	Phenol-d5	1.459	1.406	1.388	1.303	1.322		1.375	4.64
6) CMT	Phenol	1.535	1.465	1.459	1.363	1.345		1.433	5.49
7) MT	2-Chlorophenol	1.300	1.276	1.288	1.235	1.233		1.267	2.41
8) T	1,3-Dichlorobenzene	1.405	1.412	1.380	1.399	1.422		1.404	1.12
9) CMT	1,4-Dichlorobenzene	1.495	1.488	1.464	1.460	1.476		1.477	1.03
10) T	1,2-Dichlorobenzene	1.335	1.325	1.288	1.303	1.322		1.315	1.43
11) T	Benzyl alcohol	0.756	0.699	0.620	0.547	0.469		0.618	18.60
12) T	bis(2-chloroisoprop	0.983	0.921	0.854	0.830	0.922		0.902	6.74
13) T	2-Methylphenol	1.018	0.978	0.911	0.863	0.871		0.928	7.31
14) T	Hexachloroethane	0.594	0.602	0.590	0.595	0.572		0.591	1.91
15) PMT	N-Nitroso-di-n-prop	0.671	0.687	0.629	0.591	0.551		0.626	8.95
16) T	4-Methylphenol	1.080	1.030	0.941	0.893	0.780		0.945	12.43
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.398	0.391	0.387	0.382	0.380		0.388	1.84
19) T	Nitrobenzene	0.369	0.363	0.359	0.365	0.375		0.366	1.69
20) T	Isophorone	0.622	0.616	0.584	0.571	0.579		0.594	3.85
21) CT	2-Nitrophenol	0.231	0.226	0.218	0.211	0.216		0.220	3.56
22) T	2,4-Dimethylphenol	0.380	0.378	0.370	0.362	0.366		0.371	2.06
23) T	bis(2-Chloroethoxy)	0.388	0.378	0.364	0.354	0.364		0.370	3.71
24) CT	2,4-Dichlorophenol	0.313	0.314	0.304	0.294	0.295		0.304	3.17
25) MT	1,2,4-Trichlorobenz	0.321	0.333	0.341	0.344	0.352		0.338	3.49
26) T	Naphthalene	0.995	0.998	0.972	0.973	0.991		0.986	1.27
27) T	4-Chloroaniline	0.454	0.442	0.413	0.358	0.217		0.377	25.69
28) CT	Hexachlorobutadiene	0.167	0.229	0.237	0.256	0.280		0.234	18.01
29) CMT	4-Chloro-3-methylph	0.273	0.267	0.305	0.272	0.239		0.271	8.73
30) T	2-Methylnaphthalene	0.528	0.517	0.610	0.568	0.545		0.554	6.72
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.469	0.483	0.503	0.483	0.531		0.494	4.91
33) CT	2,4,6-Trichlorophen	0.410	0.424	0.419	0.418	0.447		0.424	3.32
34) T	2,4,5-Trichlorophen	0.443	0.438	0.454	0.429	0.435		0.440	2.07
35) S	2-Fluorobiphenyl	1.337	1.364	1.366	1.382	1.520		1.394	5.20
36) T	2-Chloronaphthalene	1.149	1.142	1.122	1.124	1.191		1.146	2.42
37) T	2-Nitroaniline	0.434	0.408	0.362	0.353	0.287		0.369	15.30
38) T	Acenaphthylene	1.987	1.905	1.827	1.775	1.824		1.864	4.47
39) T	Dimethylphthalate	1.517	1.479	1.432	1.424	1.439		1.458	2.67
40) T	2,6-Dinitrotoluene	0.371	0.355	0.338	0.324	0.289		0.335	9.40
41) CMT	Acenaphthene	1.165	1.129	1.087	1.096	1.153		1.126	3.05

(#) = Out of Range

8271.M

Sat Dec 27 11:55:09 1997

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Response Factor Report ABN1

Method : C:\HPCHEM\1\METHODS\8271.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 27 09:30:42 1997
Response via : Initial Calibration

Calibration Files

120 =C1S8D001.D 80 =C1S8D002.D 50 =C1S8D003.D
20 =C1S8D004.D 10 =C1S8D005.D 160 =C1S8D000.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.393	0.373	0.324	0.214		0.390	0.339	22.07
43) PT	2,4-Dinitrophenol	0.230	0.205	0.179	0.134		0.232	0.196	20.82
44) T	Dibenzofuran	1.885	1.765	1.714	1.681	1.646		1.738	5.36
45) M	2,4-Dinitrotoluene	0.516	0.487	0.450	0.403	0.349		0.441	15.07
46) PM	4-Nitrophenol	0.302	0.280	0.236	0.222		0.298	0.268	13.63
47) T	Fluorene	1.267	1.276	1.247	1.171	1.149		1.222	4.75
48) T	4-Chlorophenyl-phen	0.327	0.322	0.315	0.308	0.307		0.316	2.79
49) T	Diethylphthalate	1.553	1.620	1.537	1.511	1.516		1.547	2.84
50) T	4-Nitroaniline	0.340	0.327	0.265	0.210		0.326	0.293	18.68
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.190	0.177	0.154	0.134		0.198	0.171	15.31
53) CT	n-Nitrosodiphenylam	0.573	0.550	0.490	0.387	0.392		0.478	18.09
54) S	2,4,6-Tribromopheno	0.160	0.173	0.170	0.174	0.176		0.171	3.52
55) T	4-Bromophenyl-pheny	0.233	0.232	0.235	0.237	0.247		0.237	2.60
56) T	Hexachlorobenzene	0.262	0.274	0.281	0.290	0.310		0.284	6.31
57) CMT	Pentachlorophenol	0.208	0.208	0.207	0.204		0.202	0.206	1.36
58) T	Phenanthrene	1.053	1.028	1.000	0.991	1.020		1.018	2.40
59) T	Anthracene	1.103	1.080	1.029	1.020	1.067		1.060	3.27
60) T	Di-n-butylphthalate	1.589	1.621	1.492	1.539	1.578		1.564	3.18
61) CT	Fluoranthene	1.039	1.029	0.998	1.013	1.024		1.021	1.53
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.217	1.182	1.294	1.236	1.336		1.253	4.93
64) S	Terphenyl-d14	0.876	0.855	0.958	0.932	1.011		0.926	6.78
65) T	Butylbenzylphthalat	0.734	0.764	0.783	0.777	0.819		0.776	3.99
66) T	3,3'-Dichlorobenzid	0.372	0.332	0.260	0.214	0.183		0.272	29.09
67) T	Benzo[a]anthracene	1.027	1.027	1.033	1.061	1.061		1.042	1.69
68) T	Chrysene	0.977	0.968	0.979	0.995	1.023		0.988	2.19
69) T	bis(2-Ethylhexyl)ph	1.128	1.091	1.071	1.111	1.289		1.138	7.64
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	2.062	1.582	2.022	2.058	2.254		1.996	12.45
72) T	Benzo[b]fluoranthen	1.295	0.915	1.096	1.189	1.244		1.148	13.05
73) T	Benzo[k]fluoranthen	0.830	0.779	1.032	1.012	0.989		0.928	12.45
74) CT	Benzo[a]pyrene	0.958	0.983	0.952	0.965	0.965		0.964	1.19
75) T	Indeno[1,2,3-cd]pyr	1.117	1.081	1.026	1.011	0.985		1.044	5.15
76) T	Dibenz[a,h]anthrace	0.901	0.879	0.798	0.773	0.685		0.807	10.75
77) T	Benzo[g,h,i]perylene	0.996	0.966	0.946	0.944	1.025		0.975	3.54

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Instrument ID: ABN2 Calibration Date: 12/11/97 Time: 09:17
 Lab File ID: K2S8D020.D Init. Calib. Date(s): 12/08/97 12/09/97
 Init. Calib. Times: 10:16 09:28

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.578	0.579		-0.1	
bis(2-Chloroethyl)ether	1.197	1.238		-3.4	
Phenol	1.411	1.529	0.100	-8.3	20.0
2-Chlorophenol	1.195	1.231		-3.0	
1,3-Dichlorobenzene	1.379	1.377		0.1	
1,4-Dichlorobenzene	1.460	1.485	0.100	-1.7	20.0
1,2-Dichlorobenzene	1.318	1.340		-1.7	
Benzyl alcohol	0.664	0.751		-13.2	
bis(2-chloroisopropyl)ether	1.247	1.138		8.7	
2-Methylphenol	1.000	1.051		-5.1	
Hexachloroethane	0.564	0.589		-4.5	
N-Nitroso-di-n-propylamine	0.765	0.774	0.050	-1.2	
4-Methylphenol	1.066	1.153		-8.2	
Nitrobenzene	0.333	0.350		-5.0	
Isophorone	0.616	0.628		-2.0	
2-Nitrophenol	0.216	0.243	0.100	-12.7	20.0
2,4-Dimethylphenol	0.340	0.364		-7.2	
bis(2-Chloroethoxy)methane	0.380	0.387		-1.9	
2,4-Dichlorophenol	0.306	0.333	0.100	-8.8	20.0
1,2,4-Trichlorobenzene	0.337	0.351		-4.2	
Naphthalene	0.924	0.948		-2.6	
4-Chloroaniline	0.430	0.466		-8.3	
Hexachlorobutadiene	0.187	0.185	0.100	0.9	20.0
4-Chloro-3-methylphenol	0.271	0.312	0.100	-15.2	20.0
2-Methylnaphthalene	0.611	0.627		-2.5	
Hexachlorocyclopentadiene	0.301	0.311	0.050	-3.3	
2,4,6-Trichlorophenol	0.378	0.402	0.100	-6.4	20.0
2,4,5-Trichlorophenol	0.398	0.449		-12.8	
2-Chloronaphthalene	1.056	1.079		-2.2	
2-Nitroaniline	0.280	0.321		-14.5	
Acenaphthylene	1.658	1.682		-1.5	
Dimethylphthalate	1.247	1.269		-1.8	
2,6-Dinitrotoluene	0.307	0.329		-7.1	
Acenaphthene	0.993	0.990	0.100	0.3	20.0
3-Nitroaniline	0.408	0.455		-11.4	
2,4-Dinitrophenol	0.159	0.199	0.050	-24.8	
Dibenzofuran	1.654	1.714		-3.7	
2,4-Dinitrotoluene	0.390	0.450		-15.5	
4-Nitrophenol	0.096	0.156	0.050	-62.2	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/11/97 Time: 09:17
Lab File ID: K2S8D020.D Init. Calib. Date(s): 12/08/97 12/09/97
Init. Calib. Times: 10:16 09:28

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.124	1.177		-4.7	
4-Chlorophenyl-phenylether	0.306	0.306		-0.2	
Diethylphthalate	1.262	1.271		-0.7	
4-Nitroaniline	0.246	0.339		-38.1	
4,6-Dinitro-2-methylphenol	0.154	0.168		-9.2	
n-Nitrosodiphenylamine(1)	0.510	0.481	0.100	5.6	20.0
4-Bromophenyl-phenylether	0.238	0.220		7.4	
Hexachlorobenzene	0.271	0.243		10.4	
Pentachlorophenol	0.153	0.165	0.060	-7.3	20.0
Phenanthrene	0.987	0.962		2.6	
Anthracene	1.006	1.002		0.5	
Di-n-butylphthalate	1.233	1.222		0.9	
Fluoranthene	0.863	0.947	0.100	-9.7	20.0
Pyrene	1.566	1.383		11.7	
Butylbenzylphthalate	0.701	0.699		0.3	
Benzo[a]anthracene	1.007	1.121		-11.3	
Chrysene	1.000	1.037		-3.7	
bis(2-Ethylhexyl)phthalate	1.027	0.980		4.5	
Di-n-octylphthalate	1.910	1.910	0.100	0.0	20.0
Benzo[b]fluoranthene	1.170	1.238		-5.8	
Benzo[k]fluoranthene	1.108	1.103		0.4	
Benzo[a]pyrene	0.948	1.039	0.100	-9.7	20.0
Indeno[1,2,3-cd]pyrene	0.781	1.025		-31.2	
Dibenz[a,h]anthracene	0.597	0.741		-24.1	
Benzo[g,h,i]perylene	0.718	0.906		-26.2	
2-Fluorophenol	1.130	1.181		-4.6	
Phenol-d5	1.445	1.516		-4.9	
Nitrobenzene-d5	0.341	0.369		-8.2	
2-Fluorobiphenyl	1.242	1.232		0.8	
2,4,6-Tribromophenol	0.126	0.114		9.4	
Terphenyl-d14	1.080	0.972		10.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Instrument ID: ABN2 Calibration Date: 12/26/97 Time: 22:39
 Lab File ID: K2S8D073.D Init. Calib. Date(s): 12/26/97 12/26/97
 Init. Calib. Times: 16:00 20:28

COMPOUND	<u>RRF</u>	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.601	0.723		-20.2	
bis(2-Chloroethyl)ether	1.300	1.513		-16.3	
Phenol	1.333	1.583	0.100	-18.7	20.0
2-Chlorophenol	1.139	1.238		-8.6	
1,3-Dichlorobenzene	1.372	1.399		-2.0	
1,4-Dichlorobenzene	1.433	1.464	0.100	-2.2	20.0
1,2-Dichlorobenzene	1.308	1.354		-3.6	
Benzyl alcohol	0.645	0.726		-12.5	
bis(2-chloroisopropyl)ether	2.196	2.229		-1.5	
2-Methylphenol	0.983	1.078		-9.7	
Hexachloroethane	0.604	0.654		-8.2	
N-Nitroso-di-n-propylamine	0.895	1.036	0.050	-15.8	
4-Methylphenol	1.035	1.148		-11.0	
Nitrobenzene	0.386	0.426		-10.3	
Isophorone	0.748	0.792		-6.0	
2-Nitrophenol	0.225	0.235	0.100	-4.5	20.0
2,4-Dimethylphenol	0.356	0.373		-4.9	
bis(2-Chloroethoxy)methane	0.436	0.480		-10.0	
2,4-Dichlorophenol	0.327	0.327	0.100	0.1	20.0
1,2,4-Trichlorobenzene	0.371	0.355		4.3	
Naphthalene	0.941	0.938		0.3	
4-Chloroaniline	0.479	0.500		-4.2	
Hexachlorobutadiene	0.219	0.183	0.100	16.3	20.0
4-Chloro-3-methylphenol	0.335	0.360	0.100	-7.4	20.0
2-Methylnaphthalene	0.618	0.609		1.4	
Hexachlorocyclopentadiene	0.371	0.382	0.050	-3.1	
2,4,6-Trichlorophenol	0.422	0.414	0.100	1.9	20.0
2,4,5-Trichlorophenol	0.446	0.453		-1.4	
2-Chloronaphthalene	1.060	1.061		-0.1	
2-Nitroaniline	0.415	0.481		-15.9	
Acenaphthylene	1.729	1.773		-2.5	
Dimethylphthalate	1.435	1.439		-0.3	
2,6-Dinitrotoluene	0.346	0.368		-6.5	
Acenaphthene	1.062	1.054	0.100	0.7	20.0
3-Nitroaniline	0.468	0.500		-6.9	
2,4-Dinitrophenol	0.167	0.165	0.050	1.4	
Dibenzofuran	1.681	1.653		1.7	
2,4-Dinitrotoluene	0.433	0.462		-6.6	
4-Nitrophenol	0.133	0.140	0.050	-4.7	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Instrument ID: ABN2 Calibration Date: 12/26/97 Time: 22:39
Lab File ID: K2S8D073.D Init. Calib. Date(s): 12/26/97 12/26/97
Init. Calib. Times: 16:00 20:28

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.256	1.228		2.3	
4-Chlorophenyl-phenylether	0.357	0.336		5.9	
Diethylphthalate	1.408	1.421		-0.9	
4-Nitroaniline	0.326	0.348		-6.9	
4,6-Dinitro-2-methylphenol	0.152	0.165		-8.2	
n-Nitrosodiphenylamine(1)	0.428	0.462	0.100	-7.9	20.0
4-Bromophenyl-phenylether	0.257	0.251		2.7	
Hexachlorobenzene	0.360	0.318		11.8	
Pentachlorophenol	0.203	0.189	0.060	7.0	20.0
Phenanthrene	0.990	0.997		-0.7	
Anthracene	1.037	1.020		1.7	
Di-n-butylphthalate	1.372	1.473		-7.4	
Fluoranthene	1.059	1.063	0.100	-0.4	20.0
Pyrene	1.283	1.364		-6.3	
Butylbenzylphthalate	0.644	0.713		-10.7	
Benzo[a]anthracene	0.930	0.949		-2.0	
Chrysene	0.863	0.925		-7.2	
bis(2-Ethylhexyl)phthalate	0.959	1.076		-12.2	
Di-n-octylphthalate	1.811	2.013	0.100	-11.2	20.0
Benzo[b]fluoranthene	1.211	1.150		5.1	
Benzo[k]fluoranthene	0.980	1.006		-2.6	
Benzo[a]pyrene	0.944	0.938	0.100	0.6	20.0
Indeno[1,2,3-cd]pyrene	0.949	0.918		3.2	
Dibenz[a,h]anthracene	0.772	0.762		1.3	
Benzo[g,h,i]perylene	0.885	0.789		10.8	
2-Fluorophenol	1.054	1.072		-1.7	
Phenol-d5	1.375	1.658		-20.6	
Nitrobenzene-d5	0.388	0.433		-11.7	
2-Fluorobiphenyl	1.241	1.231		0.8	
2,4,6-Tribromophenol	0.185	0.169		8.9	
Terphenyl-d14	0.900	0.936		-4.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/27/97 Time: 21:24
Lab File ID: K2S8D077.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 12:00 16:24

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.756	0.704		6.9	
bis(2-Chloroethyl)ether	1.452	1.449		0.2	
Phenol	1.606	1.610	0.100	-0.2	20.0
2-Chlorophenol	1.201	1.243		-3.5	
1,3-Dichlorobenzene	1.379	1.416		-2.7	
1,4-Dichlorobenzene	1.447	1.490	0.100	-3.0	20.0
1,2-Dichlorobenzene	1.327	1.357		-2.3	
Benzyl alcohol	0.743	0.719		3.1	
bis(2-chloroisopropyl)ether	2.484	2.292		7.7	
2-Methylphenol	1.118	1.035		7.4	
Hexachloroethane	0.648	0.668		-3.0	
N-Nitroso-di-n-propylamine	1.051	1.027	0.050	2.3	
4-Methylphenol	1.194	1.163		2.6	
Nitrobenzene	0.454	0.457		-0.8	
Isophorone	0.849	0.850		-0.2	
2-Nitrophenol	0.232	0.242	0.100	-4.3	20.0
2,4-Dimethylphenol	0.389	0.396		-1.7	
bis(2-Chloroethoxy)methane	0.509	0.522		-2.6	
2,4-Dichlorophenol	0.324	0.336	0.100	-3.9	20.0
1,2,4-Trichlorobenzene	0.337	0.353		-4.7	
Naphthalene	0.957	0.984		-2.8	
4-Chloroaniline	0.481	0.498		-3.7	
Hexachlorobutadiene	0.188	0.213	0.100	-13.2	20.0
4-Chloro-3-methylphenol	0.342	0.370	0.100	-8.3	20.0
2-Methylnaphthalene	0.605	0.601		0.5	
Hexachlorocyclopentadiene	0.312	0.251	0.050	19.7	
2,4,6-Trichlorophenol	0.412	0.402	0.100	2.6	20.0
2,4,5-Trichlorophenol	0.434	0.438		-0.9	
2-Chloronaphthalene	1.097	1.044		4.9	
2-Nitroaniline	0.477	0.469		1.5	
Acenaphthylene	1.759	1.770		-0.6	
Dimethylphthalate	1.402	1.445		-3.1	
2,6-Dinitrotoluene	0.330	0.353		-6.9	
Acenaphthene	1.068	1.070	0.100	-0.2	20.0
3-Nitroaniline	0.467	0.462		1.2	
2,4-Dinitrophenol	0.135	0.099	0.050	26.3	
Dibenzofuran	1.646	1.599		2.9	
2,4-Dinitrotoluene	0.403	0.442		-9.8	
4-Nitrophenol	0.129	0.101	0.050	21.7	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/27/97 Time: 21:24
Lab File ID: K2S8D077.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 12:00 16:24

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.196	1.254		-4.9	
4-Chlorophenyl-phenylether	0.332	0.345		-3.9	
Diethylphthalate	1.412	1.479		-4.8	
4-Nitroaniline	0.275	0.230		16.2	
4,6-Dinitro-2-methylphenol	0.139	0.133		4.3	
n-Nitrosodiphenylamine(1)	0.485	0.507	0.100	-4.5	20.0
4-Bromophenyl-phenylether	0.245	0.248		-1.1	
Hexachlorobenzene	0.334	0.336		-0.6	
Pentachlorophenol	0.176	0.172	0.060	2.8	20.0
Phenanthrene	1.007	0.998		0.9	
Anthracene	1.009	1.003		0.6	
Di-n-butylphthalate	1.457	1.634		-12.2	
Fluoranthene	0.871	0.884	0.100	-1.6	20.0
Pyrene	1.721	2.044		-18.7	
Butylbenzylphthalate	0.888	1.083		-22.0	
Benzo[a]anthracene	0.979	0.922		5.8	
Chrysene	0.923	0.987		-6.9	
bis(2-Ethylhexyl)phthalate	1.288	1.504		-16.7	
Di-n-octylphthalate	2.229	2.627	0.100	-17.8	20.0
Benzo[b]fluoranthene	1.054	1.190		-13.0	
Benzo[k]fluoranthene	0.998	0.967		3.1	
Benzo[a]pyrene	0.913	0.988	0.100	-8.2	20.0
Indeno[1,2,3-cd]pyrene	0.869	0.929		-7.0	
Dibenz[a,h]anthracene	0.730	0.761		-4.2	
Benzo[g,h,i]perylene	0.836	0.836		0.1	
2-Fluorophenol	1.145	1.190		-3.9	
Phenol-d5	1.601	1.684		-5.2	
Nitrobenzene-d5	0.459	0.457		0.6	
2-Fluorobiphenyl	1.259	1.211		3.8	
2,4,6-Tribromophenol	0.154	0.138		10.9	
Terphenyl-d14	1.081	1.287		-19.1	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
 Instrument ID: ABN2 Calibration Date: 12/28/97 Time: 20:20
 Lab File ID: K2S8D100.D Init. Calib. Date(s): 12/28/97 12/28/97
 Init. Calib. Times: 11:54 16:17

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.771	0.774		-0.4	
bis(2-Chloroethyl)ether	1.426	1.469		-3.1	
Phenol	1.611	1.691	0.100	-5.0	20.0
2-Chlorophenol	1.207	1.255		-3.9	
1,3-Dichlorobenzene	1.380	1.432		-3.8	
1,4-Dichlorobenzene	1.470	1.509	0.100	-2.7	20.0
1,2-Dichlorobenzene	1.325	1.398		-5.5	
Benzyl alcohol	0.706	0.735		-4.1	
bis(2-chloroisopropyl)ether	2.338	2.184		6.6	
2-Methylphenol	1.077	1.137		-5.6	
Hexachloroethane	0.634	0.710		-12.1	
N-Nitroso-di-n-propylamine	1.019	1.049	0.050	-2.9	
4-Methylphenol	1.151	1.232		-7.1	
Nitrobenzene	0.446	0.463		-3.9	
Isophorone	0.837	0.796		4.9	
2-Nitrophenol	0.227	0.242	0.100	-6.7	20.0
2,4-Dimethylphenol	0.375	0.400		-6.6	
bis(2-Chloroethoxy)methane	0.489	0.498		-1.8	
2,4-Dichlorophenol	0.310	0.326	0.100	-5.4	20.0
1,2,4-Trichlorobenzene	0.335	0.345		-2.9	
Naphthalene	0.956	0.975		-2.0	
4-Chloroaniline	0.472	0.491		-3.9	
Hexachlorobutadiene	0.185	0.206	0.100	-11.4	20.0
4-Chloro-3-methylphenol	0.344	0.363	0.100	-5.4	20.0
2-Methylnaphthalene	0.609	0.628		-3.1	
Hexachlorocyclopentadiene	0.292	0.335	0.050	-14.5	
2,4,6-Trichlorophenol	0.406	0.432	0.100	-6.5	20.0
2,4,5-Trichlorophenol	0.434	0.463		-6.7	
2-Chloronaphthalene	1.072	1.119		-4.5	
2-Nitroaniline	0.507	0.552		-8.8	
Acenaphthylene	1.761	1.852		-5.2	
Dimethylphthalate	1.434	1.491		-4.0	
2,6-Dinitrotoluene	0.341	0.378		-10.6	
Acenaphthene	1.068	1.106	0.100	-3.6	20.0
3-Nitroaniline	0.494	0.510		-3.2	
2,4-Dinitrophenol	0.169	0.168	0.050	0.7	
Dibenzofuran	1.679	1.734		-3.3	
2,4-Dinitrotoluene	0.438	0.504		-15.0	
4-Nitrophenol	0.167	0.176	0.050	-5.6	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
 Instrument ID: ABN2 Calibration Date: 12/28/97 Time: 20:20
 Lab File ID: K2S8D100.D Init. Calib. Date(s): 12/28/97 12/28/97
 Init. Calib. Times: 11:54 16:17

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.254	1.312		-4.6	
4-Chlorophenyl-phenylether	0.335	0.345		-2.7	
Diethylphthalate	1.468	1.527		-4.0	
4-Nitroaniline	0.395	0.414		-4.8	
4,6-Dinitro-2-methylphenol	0.159	0.169		-6.1	
n-Nitrosodiphenylamine(1)	0.473	0.497	0.100	-5.1	20.0
4-Bromophenyl-phenylether	0.224	0.223		0.7	
Hexachlorobenzene	0.311	0.307		1.3	
Pentachlorophenol	0.191	0.189	0.060	1.0	20.0
Phenanthrene	1.005	1.026		-2.0	
Anthracene	1.037	1.067		-2.9	
Di-n-butylphthalate	1.518	1.567		-3.2	
Fluoranthene	1.063	1.137	0.100	-7.0	20.0
Pyrene	1.321	1.362		-3.1	
Butylbenzylphthalate	0.789	0.828		-4.9	
Benzo[a]anthracene	0.989	0.994		-0.5	
Chrysene	0.954	0.981		-2.8	
bis(2-Ethylhexyl)phthalate	1.185	1.271		-7.3	
Di-n-octylphthalate	2.195	2.297	0.100	-4.6	20.0
Benzo[b]fluoranthene	1.183	1.165		1.5	
Benzo[k]fluoranthene	1.030	1.031		-0.1	
Benzo[a]pyrene	0.944	0.971	0.100	-2.8	20.0
Indeno[1,2,3-cd]pyrene	0.960	1.003		-4.5	
Dibenz[a,h]anthracene	0.794	0.786		1.0	
Benzo[g,h,i]perylene	0.888	0.912		-2.7	
2-Fluorophenol	1.203	1.260		-4.7	
Phenol-d5	1.657	1.721		-3.8	
Nitrobenzene-d5	0.443	0.454		-2.6	
2-Fluorobiphenyl	1.225	1.304		-6.5	
2,4,6-Tribromophenol	0.150	0.143		4.7	
Terphenyl-d14	0.879	0.882		-0.3	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN1 Calibration Date: 12/27/97 Time: 10:03
Lab File ID: K1S8D007.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.630	0.594		5.7	
bis(2-Chloroethyl)ether	1.260	1.311		-4.1	
Phenol	1.433	1.451	0.100	-1.2	20.0
2-Chlorophenol	1.267	1.271		-0.4	
1,3-Dichlorobenzene	1.404	1.414		-0.7	
1,4-Dichlorobenzene	1.477	1.516	0.100	-2.6	20.0
1,2-Dichlorobenzene	1.315	1.353		-2.9	
Benzyl alcohol	0.618	0.640		-3.6	
bis(2-chloroisopropyl)ether	0.902	0.887		1.7	
2-Methylphenol	0.928	0.943		-1.6	
Hexachloroethane	0.591	0.632		-7.0	
N-Nitroso-di-n-propylamine	0.626	0.653	0.050	-4.4	
4-Methylphenol	0.945	0.990		-4.8	
Nitrobenzene	0.366	0.368		-0.5	
Isophorone	0.594	0.601		-1.1	
2-Nitrophenol	0.220	0.222	0.100	-0.5	20.0
2,4-Dimethylphenol	0.371	0.373		-0.5	
bis(2-Chloroethoxy)methane	0.370	0.361		2.4	
2,4-Dichlorophenol	0.304	0.308	0.100	-1.2	20.0
1,2,4-Trichlorobenzene	0.338	0.345		-1.9	
Naphthalene	0.986	0.995		-0.9	
4-Chloroaniline	0.377	0.417		-10.8	
Hexachlorobutadiene	0.234	0.245	0.100	-4.9	20.0
4-Chloro-3-methylphenol	0.271	0.305	0.100	-12.3	20.0
2-Methylnaphthalene	0.554	0.624		-12.7	
Hexachlorocyclopentadiene	0.494	0.567	0.050	-14.9	
2,4,6-Trichlorophenol	0.424	0.505	0.100	-19.3	20.0
2,4,5-Trichlorophenol	0.440	0.540		-22.7	
2-Chloronaphthalene	1.146	1.360		-18.7	
2-Nitroaniline	0.369	0.426		-15.6	
Acenaphthylene	1.864	1.812		2.8	
Dimethylphthalate	1.458	1.438		1.4	
2,6-Dinitrotoluene	0.335	0.342		-1.9	
Acenaphthene	1.126	1.092	0.100	3.1	20.0
3-Nitroaniline	0.326	0.325		0.2	
2,4-Dinitrophenol	0.187	0.169	0.050	9.8	
Dibenzofuran	1.738	1.715		1.4	
2,4-Dinitrotoluene	0.441	0.462		-4.8	
4-Nitrophenol	0.260	0.249	0.050	4.4	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECKLab Name: USACHPPMContract: SHEEHYLab Code: 37-21-6209Case No.: WALTERSAS No.: 7A8571

SDG No.: _____

Instrument ID: ABN1Calibration Date: 12/27/97Time: 10:03Lab File ID: K1S8D007.DInit. Calib. Date(s): 12/27/9712/27/97Init. Calib. Times: 00:0004:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.222	1.240		-1.5	
4-Chlorophenyl-phenylether	0.316	0.312		1.2	
Diethylphthalate	1.547	1.581		-2.2	
4-Nitroaniline	0.285	0.270		5.5	
4,6-Dinitro-2-methylphenol	0.164	0.155		5.2	
n-Nitrosodiphenylamine(1)	0.478	0.493	0.100	-3.1	20.0
4-Bromophenyl-phenylether	0.237	0.235		0.7	
Hexachlorobenzene	0.284	0.277		2.3	
Pentachlorophenol	0.207	0.206	0.060	0.4	20.0
Phenanthrene	1.018	1.049		-3.0	
Anthracene	1.060	1.047		1.2	
Di-n-butylphthalate	1.564	1.540		1.5	
Fluoranthene	1.021	1.056	0.100	-3.5	20.0
Pyrene	1.253	1.199		4.3	
Butylbenzylphthalate	0.776	0.743		4.3	
Benzo[a]anthracene	1.042	1.051		-0.9	
Chrysene	0.988	0.992		-0.4	
bis(2-Ethylhexyl)phthalate	1.138	1.089		4.4	
Di-n-octylphthalate	1.996	1.910	0.100	4.3	20.0
Benzo[b]fluoranthene	1.148	1.086		5.4	
Benzo[k]fluoranthene	0.928	1.071		-15.3	
Benzo[a]pyrene	0.964	0.963	0.100	0.2	20.0
Indeno[1,2,3-cd]pyrene	1.044	1.089		-4.3	
Dibenz[a,h]anthracene	0.807	0.863		-6.9	
Benzo[g,h,i]perylene	0.975	1.012		-3.7	
2-Fluorophenol	1.265	1.289		-1.9	
Phenol-d5	1.375	1.410		-2.5	
Nitrobenzene-d5	0.388	0.391		-0.9	
2-Fluorobiphenyl	1.394	1.632		-17.0	
2,4,6-Tribromophenol	0.171	0.178		-4.5	
Terphenyl-d14	0.926	0.900		2.9	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
 Instrument ID: ABN1 Calibration Date: 12/27/97 Time: 20:58
 Lab File ID: K1S8D008.D Init. Calib. Date(s): 12/27/97 12/27/97
 Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.630	0.518		17.7	
bis(2-Chloroethyl)ether	1.260	1.141		9.4	
Phenol	1.433	1.387	0.100	3.2	20.0
2-Chlorophenol	1.267	1.277		-0.8	
1,3-Dichlorobenzene	1.404	1.409		-0.3	
1,4-Dichlorobenzene	1.477	1.473	0.100	0.3	20.0
1,2-Dichlorobenzene	1.315	1.270		3.4	
Benzyl alcohol	0.618	0.618		-0.1	
bis(2-chloroisopropyl)ether	0.902	0.829		8.1	
2-Methylphenol	0.928	0.887		4.5	
Hexachloroethane	0.591	0.555		6.0	
N-Nitroso-di-n-propylamine	0.626	0.657	0.050	-4.9	
4-Methylphenol	0.945	0.934		1.1	
Nitrobenzene	0.366	0.368		-0.5	
Isophorone	0.594	0.620		-4.3	
2-Nitrophenol	0.220	0.220	0.100	0.4	20.0
2,4-Dimethylphenol	0.371	0.367		1.1	
bis(2-Chloroethoxy)methane	0.370	0.373		-0.9	
2,4-Dichlorophenol	0.304	0.312	0.100	-2.6	20.0
1,2,4-Trichlorobenzene	0.338	0.354		-4.5	
Naphthalene	0.986	0.987		-0.1	
4-Chloroaniline	0.377	0.421		-11.7	
Hexachlorobutadiene	0.234	0.250	0.100	-6.9	20.0
4-Chloro-3-methylphenol	0.271	0.300	0.100	-10.4	20.0
2-Methylnaphthalene	0.554	0.616		-11.2	
Hexachlorocyclopentadiene	0.494	0.403	0.050	18.3	
2,4,6-Trichlorophenol	0.424	0.417	0.100	1.5	20.0
2,4,5-Trichlorophenol	0.440	0.448		-1.8	
2-Chloronaphthalene	1.146	1.100		4.0	
2-Nitroaniline	0.369	0.337		8.7	
Acenaphthylene	1.864	1.804		3.2	
Dimethylphthalate	1.458	1.477		-1.3	
2,6-Dinitrotoluene	0.335	0.342		-1.9	
Acenaphthene	1.126	1.091	0.100	3.1	20.0
3-Nitroaniline	0.326	0.332		-1.9	
2,4-Dinitrophenol	0.187	0.163	0.050	12.9	
Dibenzofuran	1.738	1.797		-3.4	
2,4-Dinitrotoluene	0.441	0.460		-4.2	
4-Nitrophenol	0.260	0.234	0.050	10.2	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECKLab Name: USACHPPMContract: SHEEHYLab Code: 37-21-6209Case No.: WALTERSAS No.: 7A8571

SDG No.: _____

Instrument ID: ABN1Calibration Date: 12/27/97Time: 20:58Lab File ID: K1S8D008.DInit. Calib. Date(s): 12/27/9712/27/97Init. Calib. Times: 00:0004:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.222	1.286		-5.2	
4-Chlorophenyl-phenylether	0.316	0.351		-11.1	
Diethylphthalate	1.547	1.576		-1.8	
4-Nitroaniline	0.285	0.297		-4.2	
4,6-Dinitro-2-methylphenol	0.164	0.145		11.5	
n-Nitrosodiphenylamine(1)	0.478	0.515	0.100	-7.8	20.0
4-Bromophenyl-phenylether	0.237	0.235		0.9	
Hexachlorobenzene	0.284	0.277		2.4	
Pentachlorophenol	0.207	0.206	0.060	0.3	20.0
Phenanthrene	1.018	0.984		3.4	
Anthracene	1.060	1.015		4.2	
Di-n-butylphthalate	1.564	1.479		5.4	
Fluoranthene	1.021	1.066	0.100	-4.4	20.0
Pyrene	1.253	1.156		7.8	
Butylbenzylphthalate	0.776	0.691		10.9	
Benzo[a]anthracene	1.042	1.043		-0.1	
Chrysene	0.988	1.001		-1.3	
bis(2-Ethylhexyl)phthalate	1.138	1.007		11.5	
Di-n-octylphthalate	1.996	2.245	0.100	-12.5	20.0
Benzo[b]fluoranthene	1.148	1.132		1.4	
Benzo[k]fluoranthene	0.928	1.002		-7.9	
Benzo[a]pyrene	0.964	0.955	0.100	1.0	20.0
Indeno[1,2,3-cd]pyrene	1.044	1.394		-33.5	
Dibenz[a,h]anthracene	0.807	1.106		-37.0	
Benzo[g,h,i]perylene	0.975	1.018		-4.4	
2-Fluorophenol	1.265	1.226		3.0	
Phenol-d5	1.375	1.351		1.8	
Nitrobenzene-d5	0.388	0.386		0.5	
2-Fluorobiphenyl	1.394	1.370		1.7	
2,4,6-Tribromophenol	0.171	0.170		0.4	
Terphenyl-d14	0.926	0.872		5.8	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN1 Calibration Date: 12/28/97 Time: 10:51
Lab File ID: K1S8D028.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.630	0.412		34.5	
bis(2-Chloroethyl)ether	1.260	1.096		13.0	
Phenol	1.433	1.316	0.100	8.2	20.0
2-Chlorophenol	1.267	1.200		5.2	
1,3-Dichlorobenzene	1.404	1.365		2.8	
1,4-Dichlorobenzene	1.477	1.446	0.100	2.0	20.0
1,2-Dichlorobenzene	1.315	1.316		-0.1	
Benzyl alcohol	0.618	0.628		-1.6	
bis(2-chloroisopropyl)ether	0.902	0.797		11.7	
2-Methylphenol	0.928	0.904		2.6	
Hexachloroethane	0.591	0.595		-0.7	
N-Nitroso-di-n-propylamine	0.626	0.659	0.050	-5.3	
4-Methylphenol	0.945	0.968		-2.5	
Nitrobenzene	0.366	0.361		1.3	
Isophorone	0.594	0.603		-1.4	
2-Nitrophenol	0.220	0.226	0.100	-2.4	20.0
2,4-Dimethylphenol	0.371	0.379		-2.2	
bis(2-Chloroethoxy)methane	0.370	0.364		1.6	
2,4-Dichlorophenol	0.304	0.325	0.100	-6.8	20.0
1,2,4-Trichlorobenzene	0.338	0.367		-8.4	
Naphthalene	0.986	1.000		-1.4	
4-Chloroaniline	0.377	0.418		-10.9	
Hexachlorobutadiene	0.234	0.249	0.100	-6.2	20.0
4-Chloro-3-methylphenol	0.271	0.312	0.100	-14.9	20.0
2-Methylnaphthalene	0.554	0.635		-14.6	
Hexachlorocyclopentadiene	0.494	0.429	0.050	13.1	
2,4,6-Trichlorophenol	0.424	0.427	0.100	-0.8	20.0
2,4,5-Trichlorophenol	0.440	0.460		-4.6	
2-Chloronaphthalene	1.146	1.105		3.6	
2-Nitroaniline	0.369	0.350		5.2	
Acenaphthylene	1.864	1.803		3.3	
Dimethylphthalate	1.458	1.476		-1.2	
2,6-Dinitrotoluene	0.335	0.350		-4.4	
Acenaphthene	1.126	1.093	0.100	2.9	20.0
3-Nitroaniline	0.326	0.335		-2.8	
2,4-Dinitrophenol	0.187	0.165	0.050	11.9	
Dibenzofuran	1.738	1.854		-6.7	
2,4-Dinitrotoluene	0.441	0.487		-10.4	
4-Nitrophenol	0.260	0.231	0.050	11.2	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Instrument ID: ABN1 Calibration Date: 12/28/97 Time: 10:51
Lab File ID: K1S8D028.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.222	1.284		-5.1	
4-Chlorophenyl-phenylether	0.316	0.347		-9.8	
Diethylphthalate	1.547	1.627		-5.1	
4-Nitroaniline	0.285	0.302		-5.8	
4,6-Dinitro-2-methylphenol	0.164	0.150		8.5	
n-Nitrosodiphenylamine(1)	0.478	0.536	0.100	-12.0	20.0
4-Bromophenyl-phenylether	0.237	0.233		1.7	
Hexachlorobenzene	0.284	0.261		7.8	
Pentachlorophenol	0.207	0.195	0.060	5.8	20.0
Phenanthrene	1.018	1.001		1.7	
Anthracene	1.060	1.034		2.4	
Di-n-butylphthalate	1.564	1.465		6.3	
Fluoranthene	1.021	1.039	0.100	-1.8	20.0
Pyrene	1.253	1.289		-2.9	
Butylbenzylphthalate	0.776	0.767		1.1	
Benzo[a]anthracene	1.042	1.064		-2.2	
Chrysene	0.988	1.000		-1.2	
bis(2-Ethylhexyl)phthalate	1.138	1.067		6.3	
Di-n-octylphthalate	1.996	1.823	0.100	8.7	20.0
Benzo[b]fluoranthene	1.148	1.141		0.5	
Benzo[k]fluoranthene	0.928	0.955		-2.9	
Benzo[a]pyrene	0.964	0.955	0.100	1.0	20.0
Indeno[1,2,3-cd]pyrene	1.044	1.149		-10.0	
Dibenz[a,h]anthracene	0.807	0.900		-11.5	
Benzo[g,h,i]perylene	0.975	1.029		-5.5	
2-Fluorophenol	1.265	1.054		16.7	
Phenol-d5	1.375	1.262		8.2	
Nitrobenzene-d5	0.388	0.374		3.5	
2-Fluorobiphenyl	1.394	1.381		1.0	
2,4,6-Tribromophenol	0.171	0.163		4.3	
Terphenyl-d14	0.926	0.922		0.5	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Instrument ID: ABN1 Calibration Date: 12/28/97 Time: 21:23
Lab File ID: K1S8D040.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.630	0.448		28.9	
bis(2-Chloroethyl)ether	1.260	1.124		10.8	
Phenol	1.433	1.308	0.100	8.8	20.0
2-Chlorophenol	1.267	1.218		3.8	
1,3-Dichlorobenzene	1.404	1.395		0.7	
1,4-Dichlorobenzene	1.477	1.441	0.100	2.4	20.0
1,2-Dichlorobenzene	1.315	1.260		4.2	
Benzyl alcohol	0.618	0.604		2.2	
bis(2-chloroisopropyl)ether	0.902	0.772		14.4	
2-Methylphenol	0.928	0.855		7.8	
Hexachloroethane	0.591	0.576		2.4	
N-Nitroso-di-n-propylamine	0.626	0.611	0.050	2.3	
4-Methylphenol	0.945	0.926		1.9	
Nitrobenzene	0.366	0.370		-0.9	
Isophorone	0.594	0.594		0.0	
2-Nitrophenol	0.220	0.228	0.100	-3.5	20.0
2,4-Dimethylphenol	0.371	0.382		-2.8	
bis(2-Chloroethoxy)methane	0.370	0.369		0.3	
2,4-Dichlorophenol	0.304	0.329	0.100	-8.1	20.0
1,2,4-Trichlorobenzene	0.338	0.356		-5.3	
Naphthalene	0.986	0.998		-1.2	
4-Chloroaniline	0.377	0.424		-12.5	
Hexachlorobutadiene	0.234	0.254	0.100	-8.7	20.0
4-Chloro-3-methylphenol	0.271	0.302	0.100	-11.2	20.0
2-Methylnaphthalene	0.554	0.619		-11.8	
Hexachlorocyclopentadiene	0.494	0.437	0.050	11.5	
2,4,6-Trichlorophenol	0.424	0.425	0.100	-0.3	20.0
2,4,5-Trichlorophenol	0.440	0.457		-3.9	
2-Chloronaphthalene	1.146	1.115		2.7	
2-Nitroaniline	0.369	0.359		2.7	
Acenaphthylene	1.864	1.812		2.8	
Dimethylphthalate	1.458	1.466		-0.5	
2,6-Dinitrotoluene	0.335	0.343		-2.3	
Acenaphthene	1.126	1.095	0.100	2.8	20.0
3-Nitroaniline	0.326	0.332		-1.8	
2,4-Dinitrophenol	0.187	0.168	0.050	10.1	
Dibenzofuran	1.738	1.818		-4.6	
2,4-Dinitrotoluene	0.441	0.484		-9.7	
4-Nitrophenol	0.260	0.224	0.050	13.7	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN1 Calibration Date: 12/28/97 Time: 21:23
Lab File ID: K1S8D040.D Init. Calib. Date(s): 12/27/97 12/27/97
Init. Calib. Times: 00:00 04:42

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.222	1.305		-6.8	
4-Chlorophenyl-phenylether	0.316	0.351		-11.1	
Diethylphthalate	1.547	1.598		-3.3	
4-Nitroaniline	0.285	0.295		-3.3	
4,6-Dinitro-2-methylphenol	0.164	0.148		9.6	
n-Nitrosodiphenylamine(1)	0.478	0.517	0.100	-8.0	20.0
4-Bromophenyl-phenylether	0.237	0.238		-0.7	
Hexachlorobenzene	0.284	0.275		2.9	
Pentachlorophenol	0.207	0.205	0.060	1.1	20.0
Phenanthrene	1.018	0.991		2.7	
Anthracene	1.060	1.020		3.8	
Di-n-butylphthalate	1.564	1.496		4.3	
Fluoranthene	1.021	1.039	0.100	-1.8	20.0
Pyrene	1.253	1.252		0.1	
Butylbenzylphthalate	0.776	0.721		7.1	
Benzo[a]anthracene	1.042	1.055		-1.3	
Chrysene	0.988	1.000		-1.2	
bis(2-Ethylhexyl)phthalate	1.138	1.002		12.0	
Di-n-octylphthalate	1.996	1.753	0.100	12.2	20.0
Benzo[b]fluoranthene	1.148	1.138		0.9	
Benzo[k]fluoranthene	0.928	1.010		-8.8	
Benzo[a]pyrene	0.964	0.959	0.100	0.6	20.0
Indeno[1,2,3-cd]pyrene	1.044	1.134		-8.6	
Dibenz[a,h]anthracene	0.807	0.900		-11.5	
Benzo[g,h,i]perylene	0.975	1.036		-6.2	
2-Fluorophenol	1.265	1.119		11.5	
Phenol-d5	1.375	1.291		6.2	
Nitrobenzene-d5	0.388	0.388		-0.1	
2-Fluorobiphenyl	1.394	1.371		1.6	
2,4,6-Tribromophenol	0.171	0.168		1.7	
Terphenyl-d14	0.926	0.926		0.1	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
 Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
 Lab File ID (Standard): K2S8D020.D Date Analyzed: 12/11/97
 Instrument ID: ABN2 Time Analyzed: 09:17

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	997146	10.81	3420580	14.66	2062653	20.17
UPPER LIMIT	1994292	10.31	6841160	14.16	4125306	19.67
LOWER LIMIT	498573	11.31	1710290	15.16	1031327	20.67
EPA SAMPLE NO.						
01 WR-631	913975	10.81	3209720	14.64	1867190	20.16
02 WR-641	852632	10.81	2878335	14.65	1705977	20.16
03 WR-661	878019	10.80	3042921	14.64	1819487	20.16
04 WR-664	829979	10.81	2741776	14.63	1552455	20.16
05 WR-665	738173	10.81	2423599	14.64	1378164	20.16
06 WR-667	742917	10.81	2534099	14.64	1512503	20.16

IS1 (DCB) = 1,4-Dichlorobenzene-d4
 IS2 (NPT) = Naphthalene-d8
 IS3 (ANT) = Acenaphthene-d10
 IS4 (PHN) = Phenanthrene-d10
 IS5 (CRY) = Chrysene-d12
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D020.D Date Analyzed: 12/11/97
Instrument ID: ABN2 Time Analyzed: 09:17

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	3515361	24.76	2463083	33.11	2150350	37.27
UPPER LIMIT	7030722	24.26	4926166	32.61	4300700	36.77
LOWER LIMIT	1757681	25.26	1231542	33.61	1075175	37.77
EPA SAMPLE NO.						
01 WR-631	3059316	24.76	2545127	33.11	1840802	37.27
02 WR-641	2671928	24.76	1738488	33.10	1232628	37.26
03 WR-661	2970473	24.75	2371596	33.10	1760524	37.28
04 WR-664	2424727	24.76	1899825	33.11	1392837	37.26
05 WR-665	2129556	24.76	1727214	33.11	1327146	37.27
06 WR-667	2369048	24.75	2016704	33.11	1535576	37.27

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D073.D Date Analyzed: 12/26/97
Instrument ID: ABN2 Time Analyzed: 22:39

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	884384	10.55	2979159	14.37	1810578	19.87
UPPER LIMIT	1768768	10.05	5958318	13.87	3621156	19.37
LOWER LIMIT	442192	11.05	1489580	14.87	905289	20.37
EPA SAMPLE NO.						
01 WR-665 DIL 1:10	798490	10.54	2539759	14.37	1548093	19.86
02 WR-673	991239	10.55	3213458	14.37	1990133	19.87
03 WR-674	998199	10.54	3222012	14.36	2085428	19.87
04 WR-675	986545	10.54	3124899	14.36	1875099	19.87
05 WR-677	852076	10.55	2792131	14.37	1703885	19.87
06 WR-69A1	978267	10.55	3104812	14.36	1816682	19.87
07 WR-69A2	976838	10.55	3111058	14.36	1903371	19.87
08 WR-69A3	914595	10.55	2885052	14.37	1700005	19.87
09 WR-711	932231	10.54	2888013	14.37	1862091	19.87
10 WR-712	959920	10.55	2960188	14.36	1800494	19.87

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D073.D Date Analyzed: 12/26/97
Instrument ID: ABN2 Time Analyzed: 22:39

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	3183489	24.45	2542103	32.79	2247893	36.93
UPPER LIMIT	6366978	23.95	5084206	32.29	4495786	36.43
LOWER LIMIT	1591745	24.95	1271052	33.29	1123947	37.43
EPA SAMPLE NO.						
01 WR-665 DIL 1	2720056	24.43	2068885	32.76	1717468	36.92
02 WR-673	3510723	24.44	2406044	32.76	2108374	36.92
03 WR-674	3261197	24.44	2573936	32.78	2125962	36.93
04 WR-675	3127722	24.45	2291236	32.77	1861605	36.92
05 WR-677	3026920	24.45	2466343	32.79	2250317	36.94
06 WR-69A1	2673858	24.45	1439193	32.78	1301600	36.93
07 WR-69A2	3112200	24.45	2153549	32.77	1784738	36.93
08 WR-69A3	2627884	24.45	2112163	32.77	1841278	36.93
09 WR-711	3344720	24.44	2454476	32.77	1850171	36.93
10 WR-712	2832078	24.45	1937513	32.77	1468553	36.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPMContract: SHEEHYLab Code: 37-21-6209Case No.: WALTERSAS No.: 7A8571

SDG No.: _____

Lab File ID (Standard): K2S8D077.DDate Analyzed: 12/27/97Instrument ID: ABN2Time Analyzed: 21:24

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	819571	10.49	2550743	14.33	1591844	19.80
UPPER LIMIT	1639142	9.99	5101486	13.83	3183688	19.30
LOWER LIMIT	409786	10.99	1275372	14.83	795922	20.30
EPA SAMPLE NO.						
01 LAB BLANK #1	877626	10.49	2799466	14.31	1573824	19.80
02 100 PPB QC	769782	10.50	2812016	14.32	1701364	19.81
03 100 PPB QC DUP	853913	10.49	2967088	14.32	1682498	19.81
04 WR-69A1 DIL 1:10	758810	10.49	2441248	14.31	1445578	19.80
05 WR-632	963529	10.49	3162046	14.30	1820763	19.80
06 WR-633	884692	10.49	2808324	14.30	1605523	19.80
07 WR-634	811312	10.48	2635371	14.30	1478668	19.79
08 WR-635	1012233	10.48	3200883	14.30	1817510	19.79
09 WR-636	760250	10.48	2472563	14.29	1381848	19.79
10 WR-637	737032	10.48	2299943	14.30	1355896	19.79
11 WR-63A1	800877	10.48	2574416	14.29	1473873	19.79
12 WR-662	724011	10.47	2222190	14.29	1332641	19.78
13 LAB BLANK #2	826179	10.47	2659934	14.28	1494018	19.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K2S8D077.D Date Analyzed: 12/27/97
Instrument ID: ABN2 Time Analyzed: 21:24

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	2552960	24.38	1083074	32.69	904920	36.84
UPPER LIMIT	5105920	23.88	2166148	32.19	1809840	36.34
LOWER LIMIT	1276480	24.88	541537	33.19	452460	37.34
EPA SAMPLE NO.						
01 LAB BLANK #	2633174	24.37	1984199	32.70	1486463	36.84
02 100 PPB QC	3070932	24.39	2485213 *	32.72	2141691 *	36.86
03 100 PPB QC	2889226	24.39	2010982	32.71	1646156	36.85
04 WR-69A1 DIL	2339946	24.36	1548445	32.68	1333193	36.83
05 WR-632	2951051	24.37	1862744	32.69	1510160	36.84
06 WR-633	2593972	24.37	1658998	32.67	1380220	36.83
07 WR-634	2495730	24.37	1874013	32.68	1507934	36.84
08 WR-635	2898529	24.37	1898195	32.67	1637501	36.82
09 WR-636	2297447	24.36	1883967	32.68	1598595	36.84
10 WR-637	2363581	24.36	2060253	32.67	1648967	36.83
11 WR-63A1	2487788	24.36	1914900	32.67	1643910	36.82
12 WR-662	2215576	24.35	1548920	32.66	1309836	36.82
13 LAB BLANK #	2464814	24.36	1797441	32.67	1390650	36.81

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D100.D Date Analyzed: 12/28/97
Instrument ID: ABN2 Time Analyzed: 20:20

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	717981	10.46	2412878	14.28	1321969	19.77
UPPER LIMIT	1435962	9.96	4825756	13.78	2643938	19.27
LOWER LIMIT	358991	10.96	1206439	14.78	660985	20.27
EPA SAMPLE NO.						
01 WR-663	746738	10.46	2466501	14.27	1433518	19.76
02 WR-671	709532	10.46	2206307	14.28	1291241	19.77
03 WR-672	718525	10.46	2231369	14.28	1300024	19.77
04 WR-676	706190	10.46	2248907	14.27	1304824	19.76
05 WR-691	793329	10.46	2497722	14.27	1506583	19.77
06 WR-692	683502	10.46	2137218	14.28	1283929	19.77
07 WR-69A4	784701	10.46	2537651	14.28	1454905	19.77
08 WR-69A5	673240	10.47	2023170	14.28	1201168	19.77
09 WR-69A6	659804	10.47	2059299	14.28	1211289	19.77
10 WR-714	673127	10.47	2077565	14.28	1216825	19.78
11 B-1	701018	10.47	2197418	14.28	1245648	19.78
12 B-2	714523	10.47	2163966	14.28	1278477	19.77
13 B-3	649191	10.47	2021983	14.28	1182535	19.77

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
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RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D100.D Date Analyzed: 12/28/97
Instrument ID: ABN2 Time Analyzed: 20:20

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2362851	24.35	2039249	32.68	1894641	36.83
UPPER LIMIT	4725702	23.85	4078498	32.18	3789282	36.33
LOWER LIMIT	1181426	24.85	1019625	33.18	947321	37.33
EPA SAMPLE NO.						
01 WR-663	2455131	24.34	2008620	32.66	1599510	36.81
02 WR-671	2204450	24.34	1890750	32.65	1522667	36.80
03 WR-672	2195499	24.34	1734179	32.65	1447544	36.80
04 WR-676	2153887	24.34	1781907	32.65	1424003	36.81
05 WR-691	2511687	24.34	2062584	32.65	1718781	36.82
06 WR-692	2158444	24.34	1841131	32.65	1530429	36.81
07 WR-69A4	2396498	24.34	1967918	32.66	1744587	36.81
08 WR-69A5	2051057	24.33	1657588	32.66	1414812	36.81
09 WR-69A6	2131982	24.34	1810840	32.66	1501008	36.81
10 WR-714	2065811	24.35	1673302	32.66	1389415	36.82
11 B-1	2148140	24.35	1692537	32.66	1466538	36.81
12 B-2	2152035	24.35	1719913	32.67	1580172	36.82
13 B-3	1990005	24.34	1655422	32.67	1408811	36.82

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K1S8D007.D Date Analyzed: 12/27/97
Instrument ID: ABN1 Time Analyzed: 10:03

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	731940	12.04	2285466	15.90	988069	21.52
UPPER LIMIT	1463880	11.54	4570932	15.40	1976138	21.02
LOWER LIMIT	365970	12.54	1142733	16.40	494035	22.02
EPA SAMPLE NO.						
01 LAB BLANK #3	848200	12.07	2702563	15.91	1054811	21.54
02 100 PPB QC	816564	12.08	2359432	15.93	1182325	21.54
03 100 PPB QC DUP	832994	12.08	2503911	15.93	1288541	21.54
04 WR-715	762587	12.07	2277762	15.92	1132283	21.54
05 WR-721	726936	12.07	2100050	15.92	1082755	21.55
06 WR-722	789262	12.08	2263844	15.92	1061953	21.55
07 WR-723	742520	12.06	2239518	15.91	1091108	21.55
08 WR-724	867044	12.09	2504621	15.92	1234666	21.55
09 WR-725	669604	12.05	1997719	15.91	1087074	21.54

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K1S8D007.D Date Analyzed: 12/27/97
Instrument ID: ABN1 Time Analyzed: 10:03

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1549346	26.21	1378422	34.75	1306347	39.11
UPPER LIMIT	3098692	25.71	2756844	34.25	2612694	38.61
LOWER LIMIT	774673	26.71	689211	35.25	653174	39.61
EPA SAMPLE NO.						
01 LAB BLANK #	1476212	26.22	1206383	34.74	1088280	39.10
02 100 PPB QC	2012071	26.25	1595975	34.77	1463754	39.13
03 100 PPB QC	2131393	26.25	1650360	34.77	1462942	39.13
04 WR-715	1721569	26.24	1444819	34.75	1251623	39.12
05 WR-721	1759145	26.23	1475221	34.77	1380273	39.14
06 WR-722	1446451	26.24	1045249	34.76	900436	39.12
07 WR-723	1674335	26.24	1369133	34.76	1284633	39.13
08 WR-724	1688148	26.24	941657	34.75	766162	39.11
09 WR-725	1700220	26.24	1359635	34.76	1273763	39.13

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K1S8D008.D Date Analyzed: 12/27/97
Instrument ID: ABN1 Time Analyzed: 20:58

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	673955	12.04	1965615	15.91	1018620	21.53
UPPER LIMIT	1347910	11.54	3931230	15.41	2037240	21.03
LOWER LIMIT	336978	12.54	982808	16.41	509310	22.03
EPA SAMPLE NO.						
01 LAB BLANK #4	658888	12.05	2041486	15.91	834316	21.55
02 WR-726	823369	12.08	2393839	15.92	1143348	21.55
03 WR-727	892177	12.08	2538691	15.92	1261420	21.55
04 WR-721 DIL 1:10	598653	12.04	1707673	15.90	785326	21.54
05 WR-72A1	784403	12.06	2302801	15.91	1084608	21.54
06 WR-72A3	731264	12.06	2185668	15.91	1076757	21.54
07 WR-72A2	677914	12.05	1939673	15.90	985776	21.54
08 WR-741	691934	12.04	2047334	15.89	1102749	21.53
09 WR-742	716534	12.06	2187596	15.90	1180000	21.53
10 WR-743	671131	12.05	2011837	15.90	1082981	21.53
11 WR-745	773771	12.05	2350334	15.90	1252233	21.52
12 WR-761	815938	12.05	2487728	15.89	1174911	21.52

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K1S8D008.D Date Analyzed: 12/27/97
Instrument ID: ABN1 Time Analyzed: 20:58

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	1814185	26.24	1700891	34.77	1307551	39.14
UPPER LIMIT	3628370	25.74	3401782	34.27	2615102	38.64
LOWER LIMIT	907093	26.74	850446	35.27	653776	39.64
EPA SAMPLE NO.						
01 LAB BLANK #	1370694	26.24	1119535	34.75	1044514	39.11
02 WR-726	1627045	26.24	989326	34.75	813673	39.11
03 WR-727	1868671	26.23	1057911	34.75	812559	39.11
04 WR-721 DIL 1	1363723	26.23	1189437	34.75	1066897	39.11
05 WR-72A1	1619944	26.23	1396100	34.75	1289237	39.12
06 WR-72A3	1645334	26.23	1280523	34.74	1160501	39.11
07 WR-72A2	1496261	26.23	1011051	34.74	912030	39.11
08 WR-741	1741841	26.22	1454662	34.75	1354167	39.11
09 WR-742	1827217	26.21	1357701	34.73	1280219	39.10
10 WR-743	1740560	26.21	1459848	34.73	1262026	39.09
11 WR-745	1932295	26.21	1548032	34.74	1430851	39.10
12 WR-761	1774850	26.21	930518	34.72	775110	39.08

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K1S8D028.D Date Analyzed: 12/28/97
Instrument ID: ABN1 Time Analyzed: 10:51

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	662492	12.02	2060443	15.88	1114915	21.51
UPPER LIMIT	1324984	11.52	4120886	15.38	2229830	21.01
LOWER LIMIT	331246	12.52	1030222	16.38	557458	22.01
EPA SAMPLE NO.						
01 WR-741 DIL 1:10	586298	12.02	1664815	15.88	806055	21.52
02 WR-762	718845	12.04	2213004	15.88	1123228	21.51
03 WR-763	800196	12.05	2350357	15.89	1069976	21.52
04 WR-764	656017	12.03	1957985	15.88	1043643	21.52
05 WR-765	678824	12.02	1995232	15.88	973504	21.52
06 WR-768	747186	12.03	2240151	15.88	1157616	21.51
07 WR-769	855425	12.04	2697101	15.89	1438674	21.51
08 WR-7610	819960	12.05	2532584	15.89	1350742	21.52
09 WR-H1	711245	12.03	2186348	15.88	1144770	21.51

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K1S8D028.D Date Analyzed: 12/28/97
Instrument ID: ABN1 Time Analyzed: 10:51

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1933215	26.21	1556299	34.74	1489985	39.09
	UPPER LIMIT	3866430	25.71	3112598	34.24	2979970	38.59
	LOWER LIMIT	966608	26.71	778150	35.24	744993	39.59
	EPA SAMPLE NO.						
01	WR-741 DIL 1	1419848	26.20	1322477	34.72	1181633	39.08
02	WR-762	1765291	26.20	1461224	34.73	1306464	39.09
03	WR-763	1542542	26.20	958382	34.72	867222	39.08
04	WR-764	1654733	26.20	1394053	34.72	1177031	39.08
05	WR-765	1614392	26.20	1238507	34.71	1070205	39.08
06	WR-768	1728293	26.20	1271838	34.71	1093587	39.08
07	WR-769	2260064	26.20	1902325	34.73	1670589	39.09
08	WR-7610	2099231	26.20	1519715	34.72	1354476	39.08
09	WR-H1	1783986	26.20	1228234	34.72	1107023	39.07

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K1S8D040.D Date Analyzed: 12/28/97
Instrument ID: ABN1 Time Analyzed: 21:23

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	650694	11.99	1835738	15.85	938839	21.47
UPPER LIMIT	1301388	11.49	3671476	15.35	1877678	20.97
LOWER LIMIT	325347	12.49	917869	16.35	469420	21.97
EPA SAMPLE NO.						
01 WR-H2	639280	12.00	1846532	15.85	955651	21.47
02 WR-CR1	691408	12.01	2091323	15.86	1044760	21.48
03 WR-CR2	625544	12.00	1927242	15.85	999042	21.48
04 WR-CR3	688040	12.00	2007434	15.85	965328	21.48
05 WR-CR4	656391	12.01	1954603	15.85	1016720	21.48
06 WR-CR9	710482	12.01	2257569	15.86	1221332	21.48
07 WR-638	729379	12.00	2202210	15.86	1174363	21.48
08 WR-639	697916	12.01	2142889	15.85	1063887	21.47
09 WR-72A4	743572	12.01	2270729	15.86	1176439	21.48
10 B-4	781499	12.02	2286461	15.86	1125384	21.48
11 B-5	743232	12.02	2228614	15.87	1093537	21.49
12 B-6	681527	12.01	2136915	15.86	1101089	21.48

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
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RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K1S8D040.D Date Analyzed: 12/28/97
Instrument ID: ABN1 Time Analyzed: 21:23

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1658402	26.17	1394597	34.68	1346169	39.02
UPPER LIMIT	3316804	25.67	2789194	34.18	2692338	38.52
LOWER LIMIT	829201	26.67	697299	35.18	673085	39.52
EPA SAMPLE NO.						
01 WR-H2	1557804	26.16	1372151	34.67	1272481	39.02
02 WR-CR1	1563433	26.16	1380204	34.67	1303309	39.02
03 WR-CR2	1545939	26.16	1209773	34.67	1109578	39.02
04 WR-CR3	1413136	26.16	1069889	34.67	974264	39.01
05 WR-CR4	1605821	26.17	1290328	34.68	1243798	39.03
06 WR-CR9	1886100	26.16	1513924	34.68	1379366	39.02
07 WR-638	1823570	26.17	1476162	34.67	1349471	39.02
08 WR-639	1588648	26.16	1296750	34.68	1223256	39.03
09 WR-72A4	1767386	26.17	1296520	34.68	1204082	39.02
10 B-4	1617800	26.16	947307	34.67	728445	39.02
11 B-5	1549358	26.16	1061994	34.68	947021	39.03
12 B-6	1715748	26.17	1589685	34.68	1495184	39.03

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

ANALYSIS REPORT
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
Building E2100, APG, MD 21010
ANALYTICAL SPECTROMETRY DIVISION

Installation: WALTER REED AMC

Project Number: 37-21-6209

29 DEC 1997

Job Number: 7A8571

Project Officer: SHEEHY

Number of Samples: 10

Matrix: BULK

Analyzed for: Semivolatiles

Method: 8270B

FIELD #	LAB #	DATA FILE #
WR-621 ✓	E9730	S2S8D030, D2S8D064
WR-713 ✓	E9763	S2S8D022, M2S8D023, M2S8D024
WR-716 ✓	E9766	S2S8D025
WR-744 ✓	E9780	S2S8D031
WR-766 ✓	E9787	S2S8D032
WR-767 ✓	E9788	S2S8D033
WR-CR5 ✓	E9798	S2S8D026
WR-CR6 ✓	E9799	S2S8D027
WR-CR7 ✓	E9800	S2S8D028
WR-CR8 ✓	E9801	S2S8D029

Analyst: *James Morrison* Date: 29 Dec 97

Reviewed by: *[Signature]* Date: 29 Dec 97

Reviewed by: *Julia Halladay* Date: 29 Dec 97

Release authorized by: *[Signature]* 29 Dec 97

This report shall not be reproduced except in full without the written approval of the laboratory. The results relate only to the specific samples identified within this report.

SUMMARY OF RESULTS
WALTER REED AMC
37-21-6209

Holding Times

Collection Date: 3-4 DEC 97

Received Date: 8 DEC 97

Extraction Date: 9 DEC 97

Analysis Date: 11, 12, & 26 DEC 97

Background

These results represent the extraction done by EPA method 3550 (ASD SOP 124.3) analysis using EPA method 8270B (ASD SOP 72-3). All samples met the fourteen day extraction holding time and the forty day analytical holding time.

Results

Phthalate compounds were found in most of the samples. Sample WR-621 had a final volume of 2.9 ml and a large amount of phthalate. It was diluted to a total of 1:2900 to meet the quantitation limits.

Quality Control

Two laboratory control spikes (LCS) were extracted and analyzed with this sample set. Twelve recoveries failed to meet the quality control limits for the control samples. In most cases, the recoveries were only slightly above the quality control limits and are expected to have minimal impact on the data quality.

A matrix spike and matrix spike duplicate were run on sample WR-713. Twenty grams of sample was used for each matrix spike due to insufficient sample. All matrix spike recoveries were within the quality control limits. One surrogate recovery slightly exceeded the quality control limits for one of the LCS samples. All internal standard area counts were within the quality control limits.

Analyst: *Joseph Mauroni*

Date: *29 Dec 97*

Analysis Data Sheet Qualifier codes:

B - Indicates analyte was found in the associated blank as well as in the sample.

D - Indicates sample was diluted.

E - Indicates reported value exceeds the upper limit of the quantitation curve.

J - Indicates reported value is an estimate.

U - Indicates compound was analyzed for but not detected.

N - Indicates non-target compound.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLK01

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: BLANK BULK 12/9
Sample wt/vol: 30 (g/ml) G Lab File ID: B2S8D019.D
Level: (low/med) LOW Date Collected: 12/09/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BLK01

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: BLANK BULK 12/9
Sample wt/vol: 30 (g/ml) G Lab File ID: B2S8D019.D
Level: (low/med) LOW Date Collected: 12/09/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	340	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-621

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-621 E9730 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D030.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2900 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	980	U
111-44-4	bis(2-Chloroethyl)ether	980	U
108-95-2	Phenol	5700	
95-57-8	2-Chlorophenol	980	U
541-73-1	1,3-Dichlorobenzene	980	U
106-46-7	1,4-Dichlorobenzene	980	U
95-50-1	1,2-Dichlorobenzene	980	U
100-51-6	Benzyl alcohol	980	U
108-60-1	bis(2-chloroisopropyl)ether	980	U
95-48-7	2-Methylphenol	980	U
67-72-1	Hexachloroethane	980	U
621-64-7	N-Nitroso-di-n-propylamine	980	U
106-44-5	4-Methylphenol	980	U
98-95-3	Nitrobenzene	980	U
78-59-1	Isophorone	980	U
88-75-5	2-Nitrophenol	980	U
105-67-9	2,4-Dimethylphenol	980	U
111-91-1	bis(2-Chloroethoxy)methane	980	U
120-83-2	2,4-Dichlorophenol	980	U
120-82-1	1,2,4-Trichlorobenzene	980	U
91-20-3	Naphthalene	980	U
106-47-8	4-Chloroaniline	980	U
87-68-3	Hexachlorobutadiene	980	U
59-50-7	4-Chloro-3-methylphenol	980	U
91-57-6	2-Methylnaphthalene	980	U
77-47-4	Hexachlorocyclopentadiene	980	U
88-06-2	2,4,6-Trichlorophenol	980	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	980	U
88-74-4	2-Nitroaniline	980	U
208-96-8	Acenaphthylene	980	U
131-11-3	Dimethylphthalate	980	U
606-20-2	2,6-Dinitrotoluene	980	U
83-32-9	Acenaphthene	980	U
99-09-2	3-Nitroaniline	2000	U
51-28-5	2,4-Dinitrophenol	2000	U
132-64-9	Dibenzofuran	980	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-621

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-621 E9730 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D030.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2900 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	980	U
100-02-7	4-Nitrophenol	2000	U
86-73-7	Fluorene	980	U
7005-72-3	4-Chlorophenyl-phenylether	980	U
84-66-2	Diethylphthalate	850	J
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	n-Nitrosodiphenylamine(1)	980	U
101-55-3	4-Bromophenyl-phenylether	980	U
118-74-1	Hexachlorobenzene	980	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	450	J
120-12-7	Anthracene	980	U
84-74-2	Di-n-butylphthalate	12000	E
206-44-0	Fluoranthene	400	J
129-00-0	Pyrene	980	U
85-68-7	Butylbenzylphthalate	1800	
56-55-3	Benzo[a]anthracene	980	U
218-01-9	Chrysene	980	U
117-81-7	bis(2-Ethylhexyl)phthalate	170000	E
117-84-0	Di-n-octylphthalate	980	U
205-99-2	Benzo[b]fluoranthene	980	U
207-08-9	Benzo[k]fluoranthene	980	U
50-32-8	Benzo[a]pyrene	980	U
193-39-5	Indeno[1,2,3-cd]pyrene	980	U
53-70-3	Dibenz[a,h]anthracene	980	U
191-24-2	Benzo[g,h,i]perylene	980	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-621 E9730

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-621 E9730 DIL
Sample wt/vol: 30 (g/ml) G Lab File ID: D2S8D064.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2900 (uL) Date Analyzed: 12/26/97
Injection Volume: 1.0 (uL) Dilution Factor: 1000.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	980000	U
111-44-4	bis(2-Chloroethyl)ether	980000	U
108-95-2	Phenol	980000	U
95-57-8	2-Chlorophenol	980000	U
541-73-1	1,3-Dichlorobenzene	980000	U
106-46-7	1,4-Dichlorobenzene	980000	U
95-50-1	1,2-Dichlorobenzene	980000	U
100-51-6	Benzyl alcohol	980000	U
108-60-1	bis(2-chloroisopropyl)ether	980000	U
95-48-7	2-Methylphenol	980000	U
67-72-1	Hexachloroethane	980000	U
621-64-7	N-Nitroso-di-n-propylamine	980000	U
106-44-5	4-Methylphenol	980000	U
98-95-3	Nitrobenzene	980000	U
78-59-1	Isophorone	980000	U
88-75-5	2-Nitrophenol	980000	U
105-67-9	2,4-Dimethylphenol	980000	U
111-91-1	bis(2-Chloroethoxy)methane	980000	U
120-83-2	2,4-Dichlorophenol	980000	U
120-82-1	1,2,4-Trichlorobenzene	980000	U
91-20-3	Naphthalene	980000	U
106-47-8	4-Chloroaniline	980000	U
87-68-3	Hexachlorobutadiene	980000	U
59-50-7	4-Chloro-3-methylphenol	980000	U
91-57-6	2-Methylnaphthalene	980000	U
77-47-4	Hexachlorocyclopentadiene	980000	U
88-06-2	2,4,6-Trichlorophenol	980000	U
95-95-4	2,4,5-Trichlorophenol	980000	U
91-58-7	2-Chloronaphthalene	980000	U
88-74-4	2-Nitroaniline	980000	U
208-96-8	Acenaphthylene	980000	U
131-11-3	Dimethylphthalate	980000	U
606-20-2	2,6-Dinitrotoluene	980000	U
83-32-9	Acenaphthene	980000	U
99-09-2	3-Nitroaniline	2000000	U
51-28-5	2,4-Dinitrophenol	2000000	U
132-64-9	Dibenzofuran	980000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-621 E9730

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-621 E9730 DIL
Sample wt/vol: 30 (g/ml) G Lab File ID: D2S8D064.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2900 (uL) Date Analyzed: 12/26/97
Injection Volume: 1.0 (uL) Dilution Factor: 1000.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	980000	U
100-02-7	4-Nitrophenol	2000000	U
86-73-7	Fluorene	980000	U
7005-72-3	4-Chlorophenyl-phenylether	980000	U
84-66-2	Diethylphthalate	980000	U
100-01-6	4-Nitroaniline	2000000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000000	U
86-30-6	n-Nitrosodiphenylamine(1)	980000	U
101-55-3	4-Bromophenyl-phenylether	980000	U
118-74-1	Hexachlorobenzene	980000	U
87-86-5	Pentachlorophenol	2000000	U
85-01-8	Phenanthrene	980000	U
120-12-7	Anthracene	980000	U
84-74-2	Di-n-butylphthalate	980000	U
206-44-0	Fluoranthene	2000000	U
129-00-0	Pyrene	980000	U
85-68-7	Butylbenzylphthalate	980000	U
56-55-3	Benzo[a]anthracene	980000	U
218-01-9	Chrysene	980000	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300000	D
117-84-0	Di-n-octylphthalate	980000	U
205-99-2	Benzo[b]fluoranthene	980000	U
207-08-9	Benzo[k]fluoranthene	980000	U
50-32-8	Benzo[a]pyrene	980000	U
193-39-5	Indeno[1,2,3-cd]pyrene	980000	U
53-70-3	Dibenz[a,h]anthracene	980000	U
191-24-2	Benzo[g,h,i]perylene	980000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-713

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-713 E9763
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D022.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-713

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: WR-713 E9763

Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D022.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	570	
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	990	
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	160	J
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-716

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-716 E9766
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D025.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-716

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: WR-716 E9766

Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D025.D

Level: (low/med) LOW Date Collected: 12/04/97

% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	600	
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	940	
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	580	
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-744

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-744 E9780 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D031.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	670	U
111-44-4	bis(2-Chloroethyl)ether	670	U
108-95-2	Phenol	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
100-51-6	Benzyl alcohol	670	U
108-60-1	bis(2-chloroisopropyl)ether	670	U
95-48-7	2-Methylphenol	670	U
67-72-1	Hexachloroethane	670	U
621-64-7	N-Nitroso-di-n-propylamine	670	U
106-44-5	4-Methylphenol	670	U
98-95-3	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-5	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxy)methane	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	670	U
106-47-8	4-Chloroaniline	670	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-methylphenol	670	U
91-57-6	2-Methylnaphthalene	670	U
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	670	U
208-96-8	Acenaphthylene	670	U
131-11-3	Dimethylphthalate	670	U
606-20-2	2,6-Dinitrotoluene	670	U
83-32-9	Acenaphthene	670	U
99-09-2	3-Nitroaniline	1300	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	670	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-744

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-744 E9780 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D031.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	670	U
100-02-7	4-Nitrophenol	1300	U
86-73-7	Fluorene	670	U
7005-72-3	4-Chlorophenyl-phenylether	670	U
84-66-2	Diethylphthalate	670	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	n-Nitrosodiphenylamine(1)	670	U
101-55-3	4-Bromophenyl-phenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	670	U
120-12-7	Anthracene	670	U
84-74-2	Di-n-butylphthalate	580	J
206-44-0	Fluoranthene	1300	U
129-00-0	Pyrene	670	U
85-68-7	Butylbenzylphthalate	3400	
56-55-3	Benzo[a]anthracene	670	U
218-01-9	Chrysene	670	U
117-81-7	bis(2-Ethylhexyl)phthalate	1700	
117-84-0	Di-n-octylphthalate	670	U
205-99-2	Benzo[b]fluoranthene	670	U
207-08-9	Benzo[k]fluoranthene	670	U
50-32-8	Benzo[a]pyrene	670	U
193-39-5	Indeno[1,2,3-cd]pyrene	670	U
53-70-3	Dibenz[a,h]anthracene	670	U
191-24-2	Benzo[g,h,i]perylene	670	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-766

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-766 E9787
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D032.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-766

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-766 E9787
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D032.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	340	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	590	
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	390	
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-767

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-767 E9788
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D033.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-767

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-767 E9788
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D033.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	400	
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	670	
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	1500	
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR5 E9798
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D026.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR5 E9798
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D026.D
Level: (low/med) LOW Date Collected: 12/03/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	340	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	750	
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR6 E9799
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D027.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
62-75-9	N-Nitrosodimethylamine	340	U	
111-44-4	bis(2-Chloroethyl)ether	340	U	
108-95-2	Phenol	340	U	
95-57-8	2-Chlorophenol	340	U	
541-73-1	1,3-Dichlorobenzene	340	U	
106-46-7	1,4-Dichlorobenzene	340	U	
95-50-1	1,2-Dichlorobenzene	340	U	
100-51-6	Benzyl alcohol	340	U	
108-60-1	bis(2-chloroisopropyl)ether	340	U	
95-48-7	2-Methylphenol	340	U	
67-72-1	Hexachloroethane	340	U	
621-64-7	N-Nitroso-di-n-propylamine	340	U	
106-44-5	4-Methylphenol	340	U	
98-95-3	Nitrobenzene	340	U	
78-59-1	Isophorone	340	U	
88-75-5	2-Nitrophenol	340	U	
105-67-9	2,4-Dimethylphenol	340	U	
111-91-1	bis(2-Chloroethoxy)methane	340	U	
120-83-2	2,4-Dichlorophenol	340	U	
120-82-1	1,2,4-Trichlorobenzene	340	U	
91-20-3	Naphthalene	340	U	
106-47-8	4-Chloroaniline	340	U	
87-68-3	Hexachlorobutadiene	340	U	
59-50-7	4-Chloro-3-methylphenol	340	U	
91-57-6	2-Methylnaphthalene	340	U	
77-47-4	Hexachlorocyclopentadiene	340	U	
88-06-2	2,4,6-Trichlorophenol	340	U	
95-95-4	2,4,5-Trichlorophenol	340	U	
91-58-7	2-Chloronaphthalene	340	U	
88-74-4	2-Nitroaniline	340	U	
208-96-8	Acenaphthylene	340	U	
131-11-3	Dimethylphthalate	340	U	
606-20-2	2,6-Dinitrotoluene	340	U	
83-32-9	Acenaphthene	340	U	
99-09-2	3-Nitroaniline	670	U	
51-28-5	2,4-Dinitrophenol	670	U	
132-64-9	Dibenzofuran	340	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR6 E9799
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D027.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	340	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	240	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR7

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR7 E9800
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D028.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

62-75-9	N-Nitrosodimethylamine	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
108-95-2	Phenol	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
100-51-6	Benzyl alcohol	340	U
108-60-1	bis(2-chloroisopropyl)ether	340	U
95-48-7	2-Methylphenol	340	U
67-72-1	Hexachloroethane	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
106-44-5	4-Methylphenol	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	340	U
208-96-8	Acenaphthylene	340	U
131-11-3	Dimethylphthalate	340	U
606-20-2	2,6-Dinitrotoluene	340	U
83-32-9	Acenaphthene	340	U
99-09-2	3-Nitroaniline	670	U
51-28-5	2,4-Dinitrophenol	670	U
132-64-9	Dibenzofuran	340	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR7

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR7 E9800
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D028.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	140	J
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR8

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR8 E9801
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D029.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
62-75-9	N-Nitrosodimethylamine	340	U	
111-44-4	bis(2-Chloroethyl)ether	340	U	
108-95-2	Phenol	340	U	
95-57-8	2-Chlorophenol	340	U	
541-73-1	1,3-Dichlorobenzene	340	U	
106-46-7	1,4-Dichlorobenzene	340	U	
95-50-1	1,2-Dichlorobenzene	340	U	
100-51-6	Benzyl alcohol	340	U	
108-60-1	bis(2-chloroisopropyl)ether	340	U	
95-48-7	2-Methylphenol	340	U	
67-72-1	Hexachloroethane	340	U	
621-64-7	N-Nitroso-di-n-propylamine	340	U	
106-44-5	4-Methylphenol	340	U	
98-95-3	Nitrobenzene	340	U	
78-59-1	Isophorone	340	U	
88-75-5	2-Nitrophenol	340	U	
105-67-9	2,4-Dimethylphenol	340	U	
111-91-1	bis(2-Chloroethoxy)methane	340	U	
120-83-2	2,4-Dichlorophenol	340	U	
120-82-1	1,2,4-Trichlorobenzene	340	U	
91-20-3	Naphthalene	340	U	
106-47-8	4-Chloroaniline	340	U	
87-68-3	Hexachlorobutadiene	340	U	
59-50-7	4-Chloro-3-methylphenol	340	U	
91-57-6	2-Methylnaphthalene	340	U	
77-47-4	Hexachlorocyclopentadiene	340	U	
88-06-2	2,4,6-Trichlorophenol	340	U	
95-95-4	2,4,5-Trichlorophenol	340	U	
91-58-7	2-Chloronaphthalene	340	U	
88-74-4	2-Nitroaniline	340	U	
208-96-8	Acenaphthylene	340	U	
131-11-3	Dimethylphthalate	340	U	
606-20-2	2,6-Dinitrotoluene	340	U	
83-32-9	Acenaphthene	340	U	
99-09-2	3-Nitroaniline	670	U	
51-28-5	2,4-Dinitrophenol	670	U	
132-64-9	Dibenzofuran	340	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WR-CR8

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR8 E9801
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D029.D
Level: (low/med) LOW Date Collected: 12/04/97
% Moisture: 1 decanted:(Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

121-14-2	2,4-Dinitrotoluene	340	U
100-02-7	4-Nitrophenol	670	U
86-73-7	Fluorene	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
84-66-2	Diethylphthalate	340	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	n-Nitrosodiphenylamine(1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo[a]anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo[b]fluoranthene	340	U
207-08-9	Benzo[k]fluoranthene	340	U
50-32-8	Benzo[a]pyrene	340	U
193-39-5	Indeno[1,2,3-cd]pyrene	340	U
53-70-3	Dibenz[a,h]anthracene	340	U
191-24-2	Benzo[g,h,i]perylene	340	U

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	TOT OUT
01	BLK01	76	77	83	87	62	102	0
02	QC	90	89	97	99	94	94	0
03	QCDUP	85	84	97	136 *	92	55	1
04	WR-713	88	93	97	96	71	112	0
05	WR-713MS	87	88	93	100	92	106	0
06	WR-713MSD	81	88	90	93	83	105	0
07	WR-716	83	92	96	97	89	93	0
08	WR-CR5	33	89	100	96	63	92	0
09	WR-CR6	85	84	99	98	99	88	0
10	WR-CR7	81	84	94	92	95	82	0
11	WR-CR8	85	93	99	100	84	83	0
12	WR-621	28	28	30	32	28	29	0
13	WR-744	36	38	38	42	36	32	0
14	WR-766	81	88	94	99	94	77	0
15	WR-767	77	81	85	88	84	66	0

QC LIMITS

S1 (2FP)	=	2-Fluorophenol	(25-121)
S2 (PHL)	=	Phenol-d5	(24-113)
S3 (NBZ)	=	Nitrobenzene-d5	(23-120)
S4 (FBP)	=	2-Fluorobiphenyl	(30-115)
S5 (TBP)	=	2,4,6-Tribromophenol	(19-122)
S6 (TPH)	=	Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix Spike - EPA Sample No. WR-713 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3400	0.0	2900	85	31 - 100
2-Chlorophenol	3400	0.0	3000	88	34 - 99
1,4-Dichlorobenzene	1700	0.0	1500	88	40 - 102
N-Nitroso-di-n-propylamine	1700	0.0	1700	100	33 - 123
1,2,4-Trichlorobenzene	1700	0.0	1600	94	12 - 105
4-Chloro-3-methylphenol	3400	0.0	3200	94	37 - 119
Acenaphthene	1700	0.0	1700	100	40 - 117
2,4-Dinitrotoluene	1700	0.0	1700	100	34 - 119
4-Nitrophenol	3400	0.0	2800	82	30 - 111
Pentachlorophenol	3400	0.0	1500	44	28 - 111
Pyrene	1700	0.0	1800	106	33 - 126

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	3400	2900	85	0	35	31 - 100
2-Chlorophenol	3400	2900	85	3	50	34 - 99
1,4-Dichlorobenzene	1700	1500	88	0	27	40 - 102
N-Nitroso-di-n-propylamine	1700	1700	100	0	38	33 - 123
1,2,4-Trichlorobenzene	1700	1600	94	0	38	12 - 105
4-Chloro-3-methylphenol	3400	3200	94	0	33	37 - 119
Acenaphthene	1700	1700	100	0	19	40 - 117
2,4-Dinitrotoluene	1700	1600	94	6	47	34 - 119
4-Nitrophenol	3400	2500	74	10	50	30 - 111
Pentachlorophenol	3400	1200	35	23	47	28 - 111
Pyrene	1700	1800	106	0	36	33 - 126

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

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

8270b SOIL LABORATORY CONTROL SPIKE REPORT

Data File Name: **Q2S8D020.D** Data File Path: **G:\ABN2\DATA\DEC12_10_9**
Sample Name: **QC BULK 12/9**
Date/Time Acquired: **12/10/97 11:18** Method File: **8270**
WALTER REED 37-21-6209, 7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	98.63	99	1	147	YES
bis(2-Chloroethyl)ether	80.83	81	1	121	YES
Phenol	89.68	90	50	104	YES
2-Chlorophenol	89.56	90	54	100	YES
1,3-Dichlorobenzene	90.19	90	59	94	YES
1,4-Dichlorobenzene	86.64	87	58	93	YES
1,2-Dichlorobenzene	90.06	90	58	93	YES
Benzyl alcohol	92.93	93	58	107	YES
bis(2-chloroisopropyl)ether	83.39	83	3	224	YES
2-Methylphenol	87.99	88	50	110	YES
Hexachloroethane	96.61	97	58	98	YES
N-Nitroso-di-n-propylamine	94.36	94	3	156	YES
4-Methylphenol	90.57	91	54	102	YES
Nitrobenzene	94.59	95	52	137	YES
Isophorone	94.31	94	52	107	YES
2-Nitrophenol	97.45	97	58	107	YES
2,4-Dimethylphenol	86.26	86	59	91	YES
bis(2-Chloroethoxy)methane	98.65	99	1	144	YES
2,4-Dichlorophenol	90.01	90	58	99	YES
1,2,4-Trichlorobenzene	94.23	94	56	98	YES
Naphthalene	93.67	94	57	99	YES
4-Chloroaniline	12.45	12	16	80	NO
Hexachlorobutadiene	87.94	88	53	97	YES
4-Chloro-3-methylphenol	100.45	100	54	121	YES
2-Methylnaphthalene	85.34	85	42	108	YES
Hexachlorocyclopentadiene	114.07	114	44	105	NO
2,4,6-Trichlorophenol	97.05	97	53	110	YES
2,4,5-Trichlorophenol	100.23	100	52	114	YES
2-Chloronaphthalene	96.67	97	45	122	YES
2-Nitroaniline	90.19	90	58	118	YES
Acenaphthylene	91.58	92	52	109	YES
Dimethylphthalate	94.68	95	44	126	YES
2,6-Dinitrotoluene	102.90	103	57	114	YES
Acenaphthene	97.41	97	51	102	YES
3-Nitroaniline	91.93	92	50	80	NO
2,4-Dinitrophenol	82.40	82	26	118	YES
Dibenzofuran	93.92	94	50	109	YES
2,4-Dinitrotoluene	117.13	117	51	114	NO
4-Nitrophenol	99.54	100	53	138	YES
Fluorene	102.24	102	54	104	YES
4-Chlorophenyl-phenylether	185.65	186	39	130	NO
Diethylphthalate	100.70	101	54	114	YES
4-Nitroaniline	66.60	67	51	118	YES
4,6-Dinitro-2-methylphenol	94.08	94	48	124	YES
n-Nitrosodiphenylamine	96.31	96	1	149	YES
4-Bromophenyl-phenylether	94.42	94	2	142	YES
Hexachlorobenzene	87.53	88	53	108	YES
Pentachlorophenol	86.79	87	58	116	YES
Phenanthrene	94.02	94	50	104	YES
Anthracene	87.47	87	54	105	YES
Di-n-butylphthalate	94.99	95	1	143	YES
Fluoranthene	97.93	98	52	107	YES
Pyrene	94.88	95	51	100	YES
Butylbenzylphthalate	107.02	107	1	140	YES
Benzo[a]anthracene	103.93	104	55	116	YES
Chrysene	96.90	97	69	104	YES
bis(2-Ethylhexyl)phthalat	104.24	104	1	140	YES
Di-n-octylphthalate	98.87	99	1	137	YES
Benzo[b]fluoranthene	106.96	107	58	120	YES
Benzo[k]fluoranthene	96.79	97	53	102	YES
Benzo[a]pyrene	101.42	101	52	109	YES
Indeno[1,2,3-cd]pyrene	110.52	111	53	121	YES
Dibenz[a,h]anthracene	106.71	107	55	109	YES
Benzo[g,h,i]perylene	107.86	108	54	121	YES

Comments:

8270b SOIL LABORATORY CONTROL SPIKE REPORT

Data File Name: q2s8d021.d Data File Path: g:\abn2\data\dec12_10_87
Sample Name: QCDUP BULK 12/9
Date/Time Acquired: 12/10/97 12:21 Method File: 8270
WALTER REED 37-21-6209, 7A8571

COMPOUND NAME	CONC (UG/KG)	PERCENT RECOVERY (%)	RANGE		IN SPEC (YES/NO)
			LOWER	UPPER	
N-Nitrosodimethylamine	98.33	98	1	147	YES
bis(2-Chloroethyl)ether	74.87	75	1	121	YES
Phenol	84.55	85	50	104	YES
2-Chlorophenol	82.60	83	54	100	YES
1,3-Dichlorobenzene	83.88	84	59	94	YES
1,4-Dichlorobenzene	82.74	83	58	93	YES
1,2-Dichlorobenzene	86.47	86	58	93	YES
Benzyl alcohol	88.93	89	58	107	YES
bis(2-chloroisopropyl)ether	84.48	84	3	224	YES
2-Methylphenol	81.48	81	50	110	YES
Hexachloroethane	91.14	91	58	98	YES
N-Nitroso-di-n-propylamine	87.36	87	3	156	YES
4-Methylphenol	83.72	84	54	102	YES
Nitrobenzene	92.39	92	52	137	YES
Isophorone	88.78	89	52	107	YES
2-Nitrophenol	94.66	95	58	107	YES
2,4-Dimethylphenol	79.40	79	59	91	YES
bis(2-Chloroethoxy)methane	94.53	95	1	144	YES
2,4-Dichlorophenol	85.25	85	58	99	YES
1,2,4-Trichlorobenzene	92.92	93	56	98	YES
Naphthalene	89.54	90	57	99	YES
4-Chloroaniline	10.51	11	16	80	NO
Hexachlorobutadiene	88.37	88	53	97	YES
4-Chloro-3-methylphenol	93.10	93	54	121	YES
2-Methylnaphthalene	76.85	77	42	108	YES
Hexachlorocyclopentadiene	141.98	142	44	105	NO
2,4,6-Trichlorophenol	129.12	129	53	110	NO
2,4,5-Trichlorophenol	136.91	137	52	114	NO
2-Chloronaphthalene	95.11	95	45	122	YES
2-Nitroaniline	99.41	99	58	118	YES
Acenaphthylene	85.76	86	52	109	YES
Dimethylphthalate	90.78	91	44	126	YES
2,6-Dinitrotoluene	104.65	105	57	114	YES
Acenaphthene	96.19	96	51	102	YES
3-Nitroaniline	95.15	95	50	80	NO
2,4-Dinitrophenol	86.88	87	26	118	YES
Dibenzofuran	89.32	89	50	109	YES
2,4-Dinitrotoluene	114.01	114	51	114	NO
4-Nitrophenol	119.98	120	53	138	YES
Fluorene	96.71	97	54	104	YES
4-Chlorophenyl-phenylether	159.11	159	39	130	NO
Diethylphthalate	87.97	88	54	114	YES
4-Nitroaniline	79.75	80	51	118	YES
4,6-Dinitro-2-methylphenol	103.27	103	48	124	YES
n-Nitrosodiphenylamine	92.94	93	1	149	YES
4-Bromophenyl-phenylether	92.77	93	2	142	YES
Hexachlorobenzene	85.47	85	53	108	YES
Pentachlorophenol	85.68	86	58	116	YES
Phenanthrene	96.65	97	50	104	YES
Anthracene	91.12	91	54	105	YES
Di-n-butylphthalate	90.44	90	1	143	YES
Fluoranthene	103.46	103	52	107	YES
Pyrene	58.01	58	51	100	YES
Butylbenzylphthalate	98.08	98	1	140	YES
Benzo[a]anthracene	101.65	102	55	116	YES
Chrysene	92.83	93	69	104	YES
bis(2-Ethylhexyl)phthalat	90.79	91	1	140	YES
Di-n-octylphthalate	93.94	94	1	137	YES
Benzo[b]fluoranthene	99.65	100	58	120	YES
Benzo[k]fluoranthene	95.01	95	53	102	YES
Benzo[a]pyrene	99.79	100	52	109	YES
Indeno[1,2,3-cd]pyrene	113.07	113	53	121	YES
Dibenz[a,h]anthracene	108.51	109	55	109	YES
Benzo[g,h,i]perylene	106.95	107	54	121	YES

Comments:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLK01

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____

Lab File ID: B2S8D019.D Lab Sample ID: BLANK BULK 12/9

Instrument ID: ABN2 Date Extracted: 12/09/97

Matrix: (soil/water) SOIL Date Analyzed: 12/10/97

Level: (low/med) LOW Time Analyzed: 10:17

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	QC	QC BULK 12/9	Q2S8D020.D	12/10/97
02	QCDUP	QCDUP BULK 12/9	Q2S8D021.D	12/10/97
03	WR-713	WR-713 E9763	S2S8D022.D	12/10/97
04	WR-713MS	WR-713 E9763 MATRI	M2S8D023.D	12/10/97
05	WR-713MSD	WR-713 E9763 MATRI	M2S8D024.D	12/10/97
06	WR-716	WR-716 E9766	S2S8D025.D	12/10/97
07	WR-CR5	WR-CR5 E9798	S2S8D026.D	12/10/97
08	WR-CR6	WR-CR6 E9799	S2S8D027.D	12/10/97
09	WR-CR7	WR-CR7 E9800	S2S8D028.D	12/10/97
10	WR-CR8	WR-CR8 E9801	S2S8D029.D	12/11/97
11	WR-621	WR-621 E9730 1:2.9 D	S2S8D030.D	12/11/97
12	WR-744	WR-744 E9780 1:2 DL	S2S8D031.D	12/11/97
13	WR-766	WR-766 E9787	S2S8D032.D	12/11/97
14	WR-767	WR-767 E9788	S2S8D033.D	12/11/97

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D002.D DFTPP Injection Date: 12/08/97
Instrument ID: ABN2 DFTPP Injection Time: 09:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	49.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	45.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	6.7
442	40.0 - 110.0% of mass 198	47.5
443	15.0 - 24.0% of mass 442	9.2 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	160 PPB STD	C2S8D000.D	12/08/97	10:16
02	SSTD120	120 PPB STD	C2S8D001.D	12/08/97	11:15
03	SSTD80	80 PPB STD	C2S8D002.D	12/08/97	12:15
04	SSTD50	50 PPB STD	C2S8D003.D	12/08/97	13:16
05	SSTD20	20 PPB STD	C2S8D004.D	12/08/97	14:15
06	SSTD10	10 PPB STD	C2S8D005.D	12/08/97	15:14

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D018.D DFTPP Injection Date: 12/10/97
Instrument ID: ABN2 DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	48.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	46.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	17.7
365	Greater than 0.75% of mass 198	1.6
441	Present, but less than mass 443	7.2
442	40.0 - 110.0% of mass 198	45.0
443	15.0 - 24.0% of mass 442	8.2 (18.3)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50C1	50 PPB CHECK STD	K2S8D018.D	12/10/97	09:16
02	BLK01	BLANK BULK 12/9	B2S8D019.D	12/10/97	10:17
03	QC	QC BULK 12/9	Q2S8D020.D	12/10/97	11:18
04	QCDUP	QCDUP BULK 12/9	Q2S8D021.D	12/10/97	12:21
05	WR-713	WR-713 E9763	S2S8D022.D	12/10/97	13:20
06	WR-713MS	WR-713 E9763 MATRI	M2S8D023.D	12/10/97	14:19
07	WR-713MSD	WR-713 E9763 MATRI	M2S8D024.D	12/10/97	15:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D019.D DFTPP Injection Date: 12/10/97
Instrument ID: ABN2 DFTPP Injection Time: 16:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	46.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	41.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	20.5
365	Greater than 0.75% of mass 198	1.5
441	Present, but less than mass 443	8.3
442	40.0 - 110.0% of mass 198	53.1
443	15.0 - 24.0% of mass 442	11.1 (20.9)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50C2	50 PPB CHECK STD	K2S8D019.D	12/10/97	16:39
02	WR-716	WR-716 E9766	S2S8D025.D	12/10/97	17:35
03	WR-CR5	WR-CR5 E9798	S2S8D026.D	12/10/97	18:31
04	WR-CR6	WR-CR6 E9799	S2S8D027.D	12/10/97	19:26
05	WR-CR7	WR-CR7 E9800	S2S8D028.D	12/10/97	20:21

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D020.D DFTPP Injection Date: 12/11/97
Instrument ID: ABN2 DFTPP Injection Time: 08:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	44.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	42.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.8
365	Greater than 0.75% of mass 198	1.9
441	Present, but less than mass 443	7.9
442	40.0 - 110.0% of mass 198	54.5
443	15.0 - 24.0% of mass 442	10.2 (18.8)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50C3	50 PPB CHECK STD	K2S8D020.D	12/11/97	09:17
02	WR-CR8	WR-CR8 E9801	S2S8D029.D	12/11/97	10:13
03	WR-621	WR-621 E9730 1:2.9 D	S2S8D030.D	12/11/97	11:09
04	WR-744	WR-744 E9780 1:2 DL	S2S8D031.D	12/11/97	12:06
05	WR-766	WR-766 E9787	S2S8D032.D	12/11/97	13:03
06	WR-767	WR-767 E9788	S2S8D033.D	12/11/97	13:59

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D072.D DFTPP Injection Date: 12/26/97
Instrument ID: ABN2 DFTPP Injection Time: 15:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	60.6
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	41.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.4
365	Greater than 0.75% of mass 198	2.3
441	Present, but less than mass 443	8.3
442	40.0 - 110.0% of mass 198	58.7
443	15.0 - 24.0% of mass 442	11.4 (19.5)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	50 PPB CHECK STD	K2S8D072.D	12/26/97	16:00
02	SSTD160	160 PPB STD	C2S8D073.D	12/26/97	16:56
03	SSTD120	120 PPB STD	C2S8D074.D	12/26/97	17:49
04	SSTD80	80 PPB STD	C2S8D075.D	12/26/97	18:43
05	SSTD20	20 PPB STD	C2S8D076.D	12/26/97	19:35
06	SSTD10	10 PPB STD	C2S8D077.D	12/26/97	20:28

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID: T2S8D073.D DFTPP Injection Date: 12/26/97
Instrument ID: ABN2 DFTPP Injection Time: 22:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	48.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	61.8
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	40.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.1
365	Greater than 0.75% of mass 198	2.0
441	Present, but less than mass 443	7.3
442	40.0 - 110.0% of mass 198	52.6
443	15.0 - 24.0% of mass 442	11.0 (21.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTDC50	50 PPB CHECK STD	K2S8D073.D	12/26/97	22:39
02	WR-621 E9730	WR-621 E9730 DIL 1:2	D2S8D064.D	12/26/97	23:33

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 08 14:29:07 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D001.D 80 =C2S8D002.D 50 =C2S8D003.D
20 =C2S8D004.D 10 =C2S8D005.D 160 =C2S8D000.D

	Compound	120	80	50	20	10	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.562	0.600	0.568	0.530	0.592		0.570	4.84
3) S	2-Fluorophenol	1.117	1.134	1.120	1.077	1.144		1.118	2.26
4) T	bis(2-Chloroethyl)e	1.087	1.205	1.230	1.202	1.257		1.196	5.41
5) S	Phenol-d5	1.382	1.477	1.465	1.420	1.455		1.440	2.69
6) CMT	Phenol	1.352	1.481	1.406	1.400	1.360		1.400	3.65
7) MT	2-Chlorophenol	1.084	1.157	1.217	1.204	1.264		1.185	5.77
8) T	1,3-Dichlorobenzene	1.266	1.367	1.374	1.401	1.458		1.373	5.08
9) CMT	1,4-Dichlorobenzene	1.330	1.419	1.449	1.484	1.564		1.449	5.94
10) T	1,2-Dichlorobenzene	1.222	1.303	1.310	1.306	1.418		1.312	5.33
11) T	Benzyl alcohol	0.694	0.740	0.709	0.619	0.524		0.657	13.19
12) T	bis(2-chloroisoprop	1.250	1.335	1.297	1.265	1.267		1.283	2.62
13) T	2-Methylphenol	0.926	1.004	1.022	1.024	0.997		0.994	4.02
14) T	Hexachloroethane	0.532	0.582	0.553	0.556	0.554		0.555	3.17
15) PMT	N-Nitroso-di-n-prop	0.728	0.785	0.792	0.783	0.711		0.760	4.91
16) T	4-Methylphenol	1.001	1.080	1.098	1.062	1.054		1.059	3.45
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.338	0.349	0.348	0.331	0.327		0.339	2.85
19) T	Nitrobenzene	0.321	0.342	0.340	0.334	0.326		0.333	2.64
20) T	Isophorone	0.615	0.608	0.626	0.626	0.609		0.617	1.44
21) CT	2-Nitrophenol	0.219	0.228	0.224	0.209	0.189		0.214	7.40
22) T	2,4-Dimethylphenol	0.319	0.332	0.348	0.349	0.340		0.338	3.74
23) T	bis(2-Chloroethoxy)	0.365	0.375	0.388	0.382	0.392		0.380	2.77
24) CT	2,4-Dichlorophenol	0.295	0.304	0.307	0.311	0.304		0.304	1.91
25) MT	1,2,4-Trichlorobenz	0.314	0.314	0.337	0.354	0.371		0.338	7.38
26) T	Naphthalene	0.821	0.883	0.943	0.969	0.993		0.922	7.54
27) T	4-Chloroaniline	0.401	0.426	0.447	0.438	0.421		0.426	4.03
28) CT	Hexachlorobutadiene	0.174	0.181	0.174	0.196	0.213		0.188	9.04
29) CMT	4-Chloro-3-methylph	0.264	0.283	0.293	0.268	0.233		0.268	8.52
30) T	2-Methylnaphthalene	0.539	0.575	0.620	0.643	0.681		0.612	9.16
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.319	0.317	0.305	0.296	0.237		0.295	11.47
33) CT	2,4,6-Trichlorophen	0.364	0.381	0.387	0.379	0.364		0.375	2.81
34) T	2,4,5-Trichlorophen	0.383	0.411	0.416	0.416	0.331		0.392	9.35
35) S	2-Fluorobiphenyl	1.106	1.163	1.212	1.315	1.393		1.238	9.37
36) T	2-Chloronaphthalene	0.960	1.012	1.068	1.091	1.136		1.054	6.52
37) T	2-Nitroaniline	0.304	0.315	0.303	0.264	0.195		0.276	18.94
38) T	Acenaphthylene	1.488	1.586	1.677	1.737	1.783		1.654	7.17
39) T	Dimethylphthalate	1.128	1.161	1.262	1.295	1.366		1.242	7.87
40) T	2,6-Dinitrotoluene	0.309	0.327	0.328	0.300	0.254		0.304	9.98
41) CM	Acenaphthene	0.883	0.932	0.979	1.069	1.097		0.992	9.08

(#) = Out of Range

8270.M

Mon Dec 08 16:12:39 1997

ABN2

Page 1

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 08 14:29:07 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D001.D 80 =C2S8D002.D 50 =C2S8D003.D
20 =C2S8D004.D 10 =C2S8D005.D 160 =C2S8D000.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.414	0.437	0.416	0.355		0.415	0.408	7.51
~~43) PT~~	2,4-Dinitrophenol	0.204	0.188	0.147	0.085		0.206	0.166	~~30.55~~
44) T	Dibenzofuran	1.532	1.619	1.649	1.659	1.747		1.641	4.72
45) M	2,4-Dinitrotoluene	0.420	0.412	0.415	0.366	0.298		0.382	13.54
~~46) PM~~	4-Nitrophenol	0.116	0.109	0.087	0.053		0.115	0.096	~~23.96~~
47) T	Fluorene	1.039	1.060	1.141	1.159	1.144		1.108	4.96
48) T	4-Chlorophenyl-phen	0.273	0.292	0.314	0.314	0.318		0.302	6.41
49) T	Diethylphthalate	1.112	1.184	1.294	1.316	1.324		1.246	7.54
~~50) T~~	4-Nitroaniline	0.287	0.277	0.225	0.165		0.276	0.246	~~20.87~~
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.162	0.168	0.152	0.121		0.159	0.152	12.17
53) CT	n-Nitrosodiphenylam	0.438	0.480	0.526	0.558	0.550		0.510	9.91
54) S	2,4,6-Tribromopheno	0.133	0.133	0.131	0.123	0.112		0.126	7.27
55) T	4-Bromophenyl-pheny	0.216	0.238	0.236	0.250	0.249		0.238	5.81
56) T	Hexachlorobenzene	0.239	0.266	0.271	0.286	0.313		0.275	9.94
57) CM	Pentachlorophenol	0.165	0.169	0.151	0.124		0.163	0.155	11.79
58) T	Phenanthrene	0.897	0.932	0.974	1.049	1.083		0.987	7.90
59) T	Anthracene	0.920	0.970	1.021	1.052	1.068		1.006	6.07
60) T	Di-n-butylphthalate	1.163	1.167	1.268	1.288	1.270		1.231	4.95
61) CT	Fluoranthene	0.849	0.844	0.868	0.856	0.857		0.855	1.10
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.351	1.394	1.637	1.785	1.790		1.591	13.19
64) S	Terphenyl-d14	0.941	0.986	1.120	1.218	1.224		1.098	11.88
65) T	Butylbenzylphthalat	0.675	0.675	0.751	0.749	0.659		0.702	6.35
~~66) T~~	3,3'-Dichlorobenzid	0.304	0.287	0.226	0.193	0.133		0.229	~~20.67~~
67) T	Benzo[a]anthracene	1.018	0.986	1.036	0.972	0.998		1.002	2.50
68) T	Chrysene	0.927	0.980	1.012	1.074	1.013		1.001	5.33
69) T	bis(2-Ethylhexyl)ph	0.934	0.945	1.071	1.138	1.058		1.029	8.49
70) I	Perylene-d12	-----ISTD-----							
~~71) CT~~	Di-n-octylphthalate	1.881	2.037	2.158	1.914	1.408		1.879	~~15.19~~
72) T	Benzo[b]fluoranthen	1.144	1.274	1.219	1.136	1.007		1.156	8.73
73) T	Benzo[k]fluoranthen	1.033	1.099	1.129	1.062	1.121		1.089	3.73
74) CT	Benzo[a]pyrene	0.989	1.006	0.963	0.883	0.812		0.931	8.73
75) T	Indeno[1,2,3-cd]pyr	0.784	0.810	0.782	0.733	0.752		0.772	3.92
76) T	Dibenz[a,h]anthrace	0.619	0.643	0.617	0.565	0.528		0.594	7.87
77) T	Benzo[g,h,i]perylene	0.691	0.712	0.727	0.718	0.700		0.710	2.01

Response Factor Report ABN2

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 26 21:45:34 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D074.D 80 =C2S8D075.D 50 =K2S8D072.D
20 =C2S8D076.D 10 =C2S8D077.D 160 =C2S8D073.D

	Compound	120	80	50	20	10	160	Avg	%RSD
1) I	1,4-Dichlorobenzene-d	-----ISTD-----							
2) T	N-Nitrosodimethylam	0.608	0.607	0.671	0.570	0.551		0.601	7.68
3) S	2-Fluorophenol	0.999	1.104	1.169	0.949	1.051		1.054	8.18
4) T	bis(2-Chloroethyl)e	0.977	1.152	1.554	1.404	1.414		1.300	17.80
5) S	Phenol-d5	1.240	1.380	1.376	1.431	1.449		1.375	5.95
6) CMT	Phenol	1.056	1.264	1.457	1.454	1.435		1.333	13.10
7) MT	2-Chlorophenol	0.982	1.114	1.227	1.216	1.157		1.139	8.69
8) T	1,3-Dichlorobenzene	1.247	1.348	1.367	1.433	1.466		1.372	6.20
9) CMT	1,4-Dichlorobenzene	1.285	1.418	1.439	1.478	1.546		1.433	6.72
10) T	1,2-Dichlorobenzene	1.149	1.281	1.323	1.363	1.422		1.308	7.84
11) T	Benzyl alcohol	0.725	0.730	0.674	0.588	0.509		0.645	14.72
12) T	bis(2-chloroisoprop	2.168	2.227	1.911	2.299	2.375		2.196	8.07
13) T	2-Methylphenol	0.937	0.993	1.025	0.993	0.964		0.983	3.37
14) T	Hexachloroethane	0.561	0.584	0.623	0.616	0.637		0.604	5.13
15) PMT	N-Nitroso-di-n-prop	0.858	0.910	0.887	0.899	0.919		0.894	2.65
16) T	4-Methylphenol	1.027	1.073	1.081	1.045	0.947		1.035	5.15
17) I	Naphthalene-d8	-----ISTD-----							
18) S	Nitrobenzene-d5	0.377	0.377	0.423	0.388	0.373		0.388	5.25
19) T	Nitrobenzene	0.347	0.367	0.417	0.404	0.396		0.386	7.40
20) T	Isophorone	0.728	0.706	0.788	0.765	0.752		0.748	4.25
21) CT	2-Nitrophenol	0.223	0.231	0.243	0.224	0.205		0.225	6.23
22) T	2,4-Dimethylphenol	0.333	0.353	0.372	0.366	0.355		0.356	4.17
23) T	bis(2-Chloroethoxy)	0.390	0.405	0.454	0.456	0.476		0.436	8.45
24) CT	2,4-Dichlorophenol	0.303	0.322	0.339	0.327	0.344		0.327	4.87
25) MT	1,2,4-Trichlorobenz	0.332	0.348	0.344	0.398	0.432		0.371	11.45
26) T	Naphthalene	0.789	0.850	0.975	1.027	1.062		0.941	12.43
27) T	4-Chloroaniline	0.451	0.489	0.527	0.490	0.441		0.479	7.18
28) CT	Hexachlorobutadiene	0.185	0.203	0.201	0.260	0.246		0.219	14.60
29) CMT	4-Chloro-3-methylph	0.315	0.328	0.352	0.355	0.327		0.335	5.15
30) T	2-Methylnaphthalene	0.513	0.561	0.630	0.669	0.717		0.618	13.25
31) I	Acenaphthene-d10	-----ISTD-----							
32) PT	Hexachlorocyclopent	0.378	0.403	0.388	0.361	0.323		0.371	8.20
33) CT	2,4,6-Trichlorophen	0.371	0.412	0.436	0.444	0.445		0.422	7.36
34) T	2,4,5-Trichlorophen	0.411	0.456	0.438	0.480	0.446		0.446	5.62
35) S	2-Fluorobiphenyl	1.045	1.124	1.260	1.344	1.433		1.241	12.74
36) T	2-Chloronaphthalene	0.916	0.978	1.060	1.145	1.201		1.060	11.01
37) T	2-Nitroaniline	0.428	0.432	0.454	0.409	0.351		0.415	9.48
38) T	Acenaphthylene	1.488	1.577	1.774	1.873	1.932		1.729	11.03
39) T	Dimethylphthalate	1.291	1.338	1.456	1.495	1.593		1.435	8.46
40) T	2,6-Dinitrotoluene	0.345	0.350	0.370	0.346	0.317		0.346	5.53
41) CM	Acenaphthene	0.897	0.954	1.083	1.149	1.225		1.062	12.78

(#) = Out of Range
8270.M

Sat Dec 27 11:29:44 1997

ABN2

Page 1

Method : C:\HPCHEM\1\METHODS\8270.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 26 21:45:34 1997
Response via : Initial Calibration

Calibration Files

120 =C2S8D074.D 80 =C2S8D075.D 50 =K2S8D072.D
20 =C2S8D076.D 10 =C2S8D077.D 160 =C2S8D073.D

	Compound	120	80	50	20	10	160	Avg	%RSD
42) T	3-Nitroaniline	0.466	0.477	0.486	0.444		0.445	0.464	4.08
43) PT	2,4-Dinitrophenol	0.205	0.193	0.160	0.110		0.184	0.170	22.12
44) T	Dibenzofuran	1.479	1.549	1.626	1.817	1.935		1.681	11.29
45) M	2,4-Dinitrotoluene	0.427	0.438	0.469	0.441	0.392		0.433	6.43
46) PM	4-Nitrophenol	0.144	0.134	0.143	0.112		0.127	0.132	10.21
47) T	Fluorene	1.082	1.151	1.245	1.371	1.432		1.256	11.63
48) T	4-Chlorophenyl-phen	0.292	0.314	0.346	0.407	0.427		0.357	16.40
49) T	Diethylphthalate	1.172	1.246	1.449	1.580	1.593		1.408	13.65
50) T	4-Nitroaniline	0.360	0.352	0.315	0.276		0.304	0.321	10.87
51) I	Phenanthrene-d10	-----ISTD-----							
52) T	4,6-Dinitro-2-methy	0.159	0.169	0.154	0.127		0.143	0.150	10.87
53) CT	n-Nitrosodiphenylam	0.347	0.384	0.444	0.476	0.490		0.428	14.27
54) S	2,4,6-Tribromopheno	0.171	0.183	0.178	0.195	0.198		0.185	6.09
55) T	4-Bromophenyl-pheny	0.224	0.243	0.249	0.280	0.290		0.257	10.56
56) T	Hexachlorobenzene	0.306	0.324	0.341	0.411	0.418		0.360	14.24
57) CM	Pentachlorophenol	0.203	0.204	0.204	0.200		0.194	0.201	2.22
58) T	Phenanthrene	0.863	0.905	0.986	1.054	1.143		0.990	11.37
59) T	Anthracene	0.898	0.961	1.044	1.112	1.172		1.037	10.66
60) T	Di-n-butylphthalate	1.206	1.246	1.470	1.467	1.472		1.372	9.77
61) CT	Fluoranthene	0.969	0.992	1.014	1.135	1.183		1.059	8.95
62) I	Chrysene-d12	-----ISTD-----							
63) M	Pyrene	1.083	1.145	1.354	1.350	1.483		1.283	12.84
64) S	Terphenyl-d14	0.761	0.801	0.949	0.972	1.019		0.900	12.53
65) T	Butylbenzylphthalat	0.586	0.583	0.702	0.668	0.683		0.644	8.69
66) T	3,3'-Dichlorobenzid	0.288	0.267	0.232	0.204	0.218		0.242	14.53
67) T	Benzo[a]anthracene	0.828	0.908	0.910	0.999	1.006		0.930	7.92
68) T	Chryserse	0.809	0.816	0.857	0.876	0.957		0.863	6.88
69) T	bis(2-Ethylhexyl)ph	0.804	0.830	1.038	0.990	1.133		0.959	14.58
70) I	Perylene-d12	-----ISTD-----							
71) CT	Di-n-octylphthalate	1.522	1.722	1.977	1.909	1.925		1.811	10.39
72) T	Benzo[b]fluoranthen	1.133	1.241	1.204	1.151	1.327		1.211	6.42
73) T	Benzo[k]fluoranthen	0.874	0.993	0.965	1.061	1.009		0.980	7.04
74) CT	Benzo[a]pyrene	0.898	0.970	0.989	0.971	0.894		0.944	4.76
75) T	Indeno[1,2,3-cd]pyr	1.005	1.031	0.998	0.872	0.837		0.949	9.25
76) T	Dibenz[a,h]anthrace	0.829	0.868	0.792	0.669	0.703		0.772	10.86
77) T	Benzo[g,h,i]perylen	0.863	0.920	0.895	0.865	0.880		0.885	2.68

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/10/97 Time: 09:16
Lab File ID: K2S8D018.D Init. Calib. Date(s): 12/08/97 12/08/97
Init. Calib. Times: 10:16 15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.570	0.519		8.9	
bis(2-Chloroethyl)ether	1.196	1.193		0.3	
Phenol	1.400	1.320	0.100	5.7	20.0
2-Chlorophenol	1.185	1.232		-4.0	
1,3-Dichlorobenzene	1.373	1.418		-3.3	
1,4-Dichlorobenzene	1.449	1.466	0.100	-1.1	20.0
1,2-Dichlorobenzene	1.312	1.351		-3.0	
Benzyl alcohol	0.657	0.645		1.8	
bis(2-chloroisopropyl)ether	1.283	1.040		18.9	
2-Methylphenol	0.994	1.037		-4.3	
Hexachloroethane	0.555	0.614		-10.5	
N-Nitroso-di-n-propylamine	0.760	0.736	0.050	3.1	
4-Methylphenol	1.059	1.078		-1.7	
Nitrobenzene	0.333	0.336		-1.1	
Isophorone	0.617	0.601		2.6	
2-Nitrophenol	0.214	0.223	0.100	-4.3	20.0
2,4-Dimethylphenol	0.338	0.345		-2.3	
bis(2-Chloroethoxy)methane	0.380	0.371		2.6	
2,4-Dichlorophenol	0.304	0.316	0.100	-3.8	20.0
1,2,4-Trichlorobenzene	0.338	0.342		-1.3	
Naphthalene	0.922	0.925		-0.4	
4-Chloroaniline	0.426	0.435		-2.0	
Hexachlorobutadiene	0.188	0.183	0.100	2.8	20.0
4-Chloro-3-methylphenol	0.268	0.280	0.100	-4.5	20.0
2-Methylnaphthalene	0.612	0.630		-3.0	
Hexachlorocyclopentadiene	0.295	0.350	0.050	-18.7	
2,4,6-Trichlorophenol	0.375	0.393	0.100	-4.9	20.0
2,4,5-Trichlorophenol	0.392	0.404		-3.2	
2-Chloronaphthalene	1.054	1.092		-3.7	
2-Nitroaniline	0.276	0.295		-6.6	
Acenaphthylene	1.654	1.691		-2.2	
Dimethylphthalate	1.242	1.310		-5.4	
2,6-Dinitrotoluene	0.304	0.328		-8.1	
Acenaphthene	0.992	1.029	0.100	-3.7	20.0
3-Nitroaniline	0.406	0.410		-1.1	
2,4-Dinitrophenol	0.156	0.150	0.050	3.8	
Dibenzofuran	1.641	1.739		-6.0	
2,4-Dinitrotoluene	0.382	0.425		-11.1	
4-Nitrophenol	0.091	0.096	0.050	-5.0	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/10/97 Time: 09:16
Lab File ID: K2S8D018.D Init. Calib. Date(s): 12/08/97 12/08/97
Init. Calib. Times: 10:16 15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Fluorene	1.108	1.221		-10.2	
4-Chlorophenyl-phenylether	0.302	0.329		-9.0	
Diethylphthalate	1.246	1.354		-8.7	
4-Nitroaniline	0.238	0.221		7.5	
4,6-Dinitro-2-methylphenol	0.151	0.156		-3.6	
n-Nitrosodiphenylamine(1)	0.510	0.548	0.100	-7.5	20.0
4-Bromophenyl-phenylether	0.238	0.238		-0.2	
Hexachlorobenzene	0.275	0.257		6.4	
Pentachlorophenol	0.152	0.143	0.060	6.3	20.0
Phenanthrene	0.987	1.020		-3.3	
Anthracene	1.006	1.045		-3.8	
Di-n-butylphthalate	1.231	1.307		-6.2	
Fluoranthene	0.855	0.914	0.100	-6.9	20.0
Pyrene	1.591	1.649		-3.6	
Butylbenzylphthalate	0.702	0.822		-17.1	
Benzo[a]anthracene	1.002	1.004		-0.2	
Chrysene	1.001	1.075		-7.4	
bis(2-Ethylhexyl)phthalate	1.029	1.156		-12.3	
Di-n-octylphthalate	1.879	2.176	0.100	-15.8	20.0
Benzo[b]fluoranthene	1.156	1.192		-3.1	
Benzo[k]fluoranthene	1.089	1.081		0.7	
Benzo[a]pyrene	0.931	0.944	0.100	-1.5	20.0
Indeno[1,2,3-cd]pyrene	0.772	0.775		-0.3	
Dibenz[a,h]anthracene	0.594	0.604		-1.5	
Benzo[g,h,i]perylene	0.710	0.776		-9.4	
2-Fluorophenol	1.118	1.128		-0.8	
Phenol-d5	1.440	1.422		1.2	
Nitrobenzene-d5	0.339	0.349		-3.1	
2-Fluorobiphenyl	1.238	1.298		-4.9	
2,4,6-Tribromophenol	0.126	0.115		9.2	
Terphenyl-d14	1.098	1.105		-0.6	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Instrument ID: ABN2 Calibration Date: 12/10/97 Time: 16:39
Lab File ID: K2S8D019.D Init. Calib. Date(s): 12/08/97 12/08/97
Init. Calib. Times: 10:16 15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.570	0.524		8.2	
bis(2-Chloroethyl)ether	1.196	1.218		-1.8	
Phenol	1.400	1.510	0.100	-7.8	20.0
2-Chlorophenol	1.185	1.247		-5.2	
1,3-Dichlorobenzene	1.373	1.397		-1.7	
1,4-Dichlorobenzene	1.449	1.465	0.100	-1.1	20.0
1,2-Dichlorobenzene	1.312	1.335		-1.8	
Benzyl alcohol	0.657	0.707		-7.6	
bis(2-chloroisopropyl)ether	1.283	1.359		-5.9	
2-Methylphenol	0.994	1.080		-8.6	
Hexachloroethane	0.555	0.593		-6.8	
N-Nitroso-di-n-propylamine	0.760	0.814	0.050	-7.1	
4-Methylphenol	1.059	1.141		-7.7	
Nitrobenzene	0.333	0.345		-3.7	
Isophorone	0.617	0.656		-6.4	
2-Nitrophenol	0.214	0.235	0.100	-10.1	20.0
2,4-Dimethylphenol	0.338	0.344		-1.7	
bis(2-Chloroethoxy)methane	0.380	0.387		-1.6	
2,4-Dichlorophenol	0.304	0.316	0.100	-3.8	20.0
1,2,4-Trichlorobenzene	0.338	0.337		0.4	
Naphthalene	0.922	0.935		-1.4	
4-Chloroaniline	0.426	0.437		-2.5	
Hexachlorobutadiene	0.188	0.199	0.100	-6.0	20.0
4-Chloro-3-methylphenol	0.268	0.304	0.100	-13.3	20.0
2-Methylnaphthalene	0.612	0.613		-0.1	
Hexachlorocyclopentadiene	0.295	0.307	0.050	-4.0	
2,4,6-Trichlorophenol	0.375	0.386	0.100	-3.0	20.0
2,4,5-Trichlorophenol	0.392	0.412		-5.3	
2-Chloronaphthalene	1.054	1.032		2.0	
2-Nitroaniline	0.276	0.293		-6.2	
Acenaphthylene	1.654	1.613		2.5	
Dimethylphthalate	1.242	1.290		-3.8	
2,6-Dinitrotoluene	0.304	0.341		-12.4	
Acenaphthene	0.992	0.981	0.100	1.1	20.0
3-Nitroaniline	0.406	0.420		-3.6	
2,4-Dinitrophenol	0.156	0.152	0.050	2.5	
Dibenzofuran	1.641	1.610		1.9	
2,4-Dinitrotoluene	0.382	0.426		-11.5	
4-Nitrophenol	0.091	0.096	0.050	-5.1	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM

Contract: SHEEHY

Lab Code: WALTER

Case No.: 37-21-62

SAS No.: 7A8571 SDG No.:

Instrument ID: ABN2

Calibration Date: 12/10/97

Time: 16:39

Lab File ID: K2S8D019.D

Init. Calib. Date(s): 12/08/97

12/08/97

Init. Calib. Times: 10:16

15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Fluorene	1.108	1.107		0.1	
4-Chlorophenyl-phenylether	0.302	0.323		-6.9	
Diethylphthalate	1.246	1.316		-5.6	
4-Nitroaniline	0.238	0.211		11.6	
4,6-Dinitro-2-methylphenol	0.151	0.156		-3.1	
n-Nitrosodiphenylamine(1)	0.510	0.463	0.100	9.2	20.0
4-Bromophenyl-phenylether	0.238	0.237		0.2	
Hexachlorobenzene	0.275	0.293		-6.7	
Pentachlorophenol	0.152	0.168	0.060	-9.9	20.0
Phenanthrene	0.987	0.955		3.2	
Anthracene	1.006	0.962		4.3	
Di-n-butylphthalate	1.231	1.285		-4.4	
Fluoranthene	0.855	0.902	0.100	-5.5	20.0
Pyrene	1.591	1.594		-0.2	
Butylbenzylphthalate	0.702	0.747		-6.5	
Benzo[a]anthracene	1.002	1.022		-2.0	
Chrysene	1.001	0.951		5.0	
bis(2-Ethylhexyl)phthalate	1.029	1.048		-1.8	
Di-n-octylphthalate	1.879	2.193	0.100	-16.7	20.0
Benzo[b]fluoranthene	1.156	1.188		-2.8	
Benzo[k]fluoranthene	1.089	1.111		-2.0	
Benzo[a]pyrene	0.931	1.005	0.100	-7.9	20.0
Indeno[1,2,3-cd]pyrene	0.772	0.920		-19.1	
Dibenz[a,h]anthracene	0.594	0.664		-11.7	
Benzo[g,h,i]perylene	0.710	0.838		-18.0	
2-Fluorophenol	1.118	1.150		-2.8	
Phenol-d5	1.440	1.488		-3.3	
Nitrobenzene-d5	0.339	0.352		-4.0	
2-Fluorobiphenyl	1.238	1.191		3.8	
2,4,6-Tribromophenol	0.126	0.141		-11.9	
Terphenyl-d14	1.098	1.109		-1.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Instrument ID: ABN2 Calibration Date: 12/11/97 Time: 09:17
Lab File ID: K2S8D020.D Init. Calib. Date(s): 12/08/97 12/08/97
Init. Calib. Times: 10:16 15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.570	0.579		-1.5	
bis(2-Chloroethyl)ether	1.196	1.238		-3.5	
Phenol	1.400	1.529	0.100	-9.2	20.0
2-Chlorophenol	1.185	1.231		-3.8	
1,3-Dichlorobenzene	1.373	1.377		-0.3	
1,4-Dichlorobenzene	1.449	1.485	0.100	-2.4	20.0
1,2-Dichlorobenzene	1.312	1.340		-2.1	
Benzyl alcohol	0.657	0.751		-14.3	
bis(2-chloroisopropyl)ether	1.283	1.138		11.3	
2-Methylphenol	0.994	1.051		-5.7	
Hexachloroethane	0.555	0.589		-6.1	
N-Nitroso-di-n-propylamine	0.760	0.774	0.050	-1.9	
4-Methylphenol	1.059	1.153		-8.9	
Nitrobenzene	0.333	0.350		-5.2	
Isophorone	0.617	0.628		-1.8	
2-Nitrophenol	0.214	0.243	0.100	-13.8	20.0
2,4-Dimethylphenol	0.338	0.364		-7.9	
bis(2-Chloroethoxy)methane	0.380	0.387		-1.8	
2,4-Dichlorophenol	0.304	0.333	0.100	-9.3	20.0
1,2,4-Trichlorobenzene	0.338	0.351		-3.9	
Naphthalene	0.922	0.948		-2.9	
4-Chloroaniline	0.426	0.466		-9.2	
Hexachlorobutadiene	0.188	0.185	0.100	1.4	20.0
4-Chloro-3-methylphenol	0.268	0.312	0.100	-16.5	20.0
2-Methylnaphthalene	0.612	0.627		-2.5	
Hexachlorocyclopentadiene	0.295	0.311	0.050	-5.5	
2,4,6-Trichlorophenol	0.375	0.402	0.100	-7.3	20.0
2,4,5-Trichlorophenol	0.392	0.449		-14.7	
2-Chloronaphthalene	1.054	1.079		-2.4	
2-Nitroaniline	0.276	0.321		-16.1	
Acenaphthylene	1.654	1.682		-1.7	
Dimethylphthalate	1.242	1.269		-2.1	
2,6-Dinitrotoluene	0.304	0.329		-8.2	
Acenaphthene	0.992	0.990	0.100	0.2	20.0
3-Nitroaniline	0.406	0.455		-12.1	
2,4-Dinitrophenol	0.156	0.199	0.050	-27.3	
Dibenzofuran	1.641	1.714		-4.5	
2,4-Dinitrotoluene	0.382	0.450		-17.8	
4-Nitrophenol	0.091	0.156	0.050	-70.4	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Instrument ID: ABN2 Calibration Date: 12/11/97 Time: 09:17
Lab File ID: K2S8D020.D Init. Calib. Date(s): 12/08/97 12/08/97
Init. Calib. Times: 10:16 15:14

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Fluorene	1.108	1.177		-6.2	
4-Chlorophenyl-phenylether	0.302	0.306		-1.4	
Diethylphthalate	1.246	1.271		-2.0	
4-Nitroaniline	0.238	0.339		-42.2	
4,6-Dinitro-2-methylphenol	0.151	0.168		-11.3	
n-Nitrosodiphenylamine(1)	0.510	0.481	0.100	5.7	20.0
4-Bromophenyl-phenylether	0.238	0.220		7.5	
Hexachlorobenzene	0.275	0.243		11.5	
Pentachlorophenol	0.152	0.165	0.060	-8.0	20.0
Phenanthrene	0.987	0.962		2.6	
Anthracene	1.006	1.002		0.4	
Di-n-butylphthalate	1.231	1.222		0.7	
Fluoranthene	0.855	0.947	0.100	-10.7	20.0
Pyrene	1.591	1.383		13.1	
Butylbenzylphthalate	0.702	0.699		0.4	
Benzo[a]anthracene	1.002	1.121		-11.9	
Chrysene	1.001	1.037		-3.6	
bis(2-Ethylhexyl)phthalate	1.029	0.980		4.8	
Di-n-octylphthalate	1.879	1.910	0.100	-1.6	20.0
Benzo[b]fluoranthene	1.156	1.238		-7.1	
Benzo[k]fluoranthene	1.089	1.103		-1.3	
Benzo[a]pyrene	0.931	1.039	0.100	-11.7	20.0
Indeno[1,2,3-cd]pyrene	0.772	1.025		-32.7	
Dibenz[a,h]anthracene	0.594	0.741		-24.7	
Benzo[g,h,i]perylene	0.710	0.906		-27.7	
2-Fluorophenol	1.118	1.181		-5.6	
Phenol-d5	1.440	1.516		-5.3	
Nitrobenzene-d5	0.339	0.369		-9.0	
2-Fluorobiphenyl	1.238	1.232		0.5	
2,4,6-Tribromophenol	0.126	0.114		9.8	
Terphenyl-d14	1.098	0.972		11.5	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Instrument ID: ABN2 Calibration Date: 12/26/97 Time: 22:39
Lab File ID: K2S8D073.D Init. Calib. Date(s): 12/26/97 12/26/97
Init. Calib. Times: 16:00 20:28

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.601	0.723		-20.2	
bis(2-Chloroethyl)ether	1.300	1.513		-16.3	
Phenol	1.333	1.583	0.100	-18.7	20.0
2-Chlorophenol	1.139	1.238		-8.6	
1,3-Dichlorobenzene	1.372	1.399		-2.0	
1,4-Dichlorobenzene	1.433	1.464	0.100	-2.2	20.0
1,2-Dichlorobenzene	1.308	1.354		-3.6	
Benzyl alcohol	0.645	0.726		-12.5	
bis(2-chloroisopropyl)ether	2.196	2.229		-1.5	
2-Methylphenol	0.983	1.078		-9.7	
Hexachloroethane	0.604	0.654		-8.2	
N-Nitroso-di-n-propylamine	0.895	1.036	0.050	-15.8	
4-Methylphenol	1.035	1.148		-11.0	
Nitrobenzene	0.386	0.426		-10.3	
Isophorone	0.748	0.792		-6.0	
2-Nitrophenol	0.225	0.235	0.100	-4.5	20.0
2,4-Dimethylphenol	0.356	0.373		-4.9	
bis(2-Chloroethoxy)methane	0.436	0.480		-10.0	
2,4-Dichlorophenol	0.327	0.327	0.100	0.1	20.0
1,2,4-Trichlorobenzene	0.371	0.355		4.3	
Naphthalene	0.941	0.938		0.3	
4-Chloroaniline	0.479	0.500		-4.2	
Hexachlorobutadiene	0.219	0.183	0.100	16.3	20.0
4-Chloro-3-methylphenol	0.335	0.360	0.100	-7.4	20.0
2-Methylnaphthalene	0.618	0.609		1.4	
Hexachlorocyclopentadiene	0.371	0.382	0.050	-3.1	
2,4,6-Trichlorophenol	0.422	0.414	0.100	1.9	20.0
2,4,5-Trichlorophenol	0.446	0.453		-1.4	
2-Chloronaphthalene	1.060	1.061		-0.1	
2-Nitroaniline	0.415	0.481		-15.9	
Acenaphthylene	1.729	1.773		-2.5	
Dimethylphthalate	1.435	1.439		-0.3	
2,6-Dinitrotoluene	0.346	0.368		-6.5	
Acenaphthene	1.062	1.054	0.100	0.7	20.0
3-Nitroaniline	0.468	0.500		-6.9	
2,4-Dinitrophenol	0.167	0.165	0.050	1.4	
Dibenzofuran	1.681	1.653		1.7	
2,4-Dinitrotoluene	0.433	0.462		-6.6	
4-Nitrophenol	0.133	0.140	0.050	-4.7	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Instrument ID: ABN2 Calibration Date: 12/26/97 Time: 22:39
Lab File ID: K2S8D073.D Init. Calib. Date(s): 12/26/97 12/26/97
Init. Calib. Times: 16:00 20:28

COMPOUND	RRF	RRF10	MIN RRF	% D	MAX % D
Fluorene	1.256	1.228		2.3	
4-Chlorophenyl-phenylether	0.357	0.336		5.9	
Diethylphthalate	1.408	1.421		-0.9	
4-Nitroaniline	0.326	0.348		-6.9	
4,6-Dinitro-2-methylphenol	0.152	0.165		-8.2	
n-Nitrosodiphenylamine(1)	0.428	0.462	0.100	-7.9	20.0
4-Bromophenyl-phenylether	0.257	0.251		2.7	
Hexachlorobenzene	0.360	0.318		11.8	
Pentachlorophenol	0.203	0.189	0.060	7.0	20.0
Phenanthrene	0.990	0.997		-0.7	
Anthracene	1.037	1.020		1.7	
Di-n-butylphthalate	1.372	1.473		-7.4	
Fluoranthene	1.059	1.063	0.100	-0.4	20.0
Pyrene	1.283	1.364		-6.3	
Butylbenzylphthalate	0.644	0.713		-10.7	
Benzo[a]anthracene	0.930	0.949		-2.0	
Chrysene	0.863	0.925		-7.2	
bis(2-Ethylhexyl)phthalate	0.959	1.076		-12.2	
Di-n-octylphthalate	1.811	2.013	0.100	-11.2	20.0
Benzo[b]fluoranthene	1.211	1.150		5.1	
Benzo[k]fluoranthene	0.980	1.006		-2.6	
Benzo[a]pyrene	0.944	0.938	0.100	0.6	20.0
Indeno[1,2,3-cd]pyrene	0.949	0.918		3.2	
Dibenz[a,h]anthracene	0.772	0.762		1.3	
Benzo[g,h,i]perylene	0.885	0.789		10.8	
2-Fluorophenol	1.054	1.072		-1.7	
Phenol-d5	1.375	1.658		-20.6	
Nitrobenzene-d5	0.388	0.433		-11.7	
2-Fluorobiphenyl	1.241	1.231		0.8	
2,4,6-Tribromophenol	0.185	0.169		8.9	
Terphenyl-d14	0.900	0.936		-4.0	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D018.D Date Analyzed: 12/10/97
Instrument ID: ABN2 Time Analyzed: 09:16

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	831796	10.92	2916257	14.77	1682049	20.29
UPPER LIMIT	1663592	10.42	5832514	14.27	3364098	19.79
LOWER LIMIT	415898	11.42	1458129	15.27	841025	20.79
EPA SAMPLE NO.						
01 BLK01	1171355	10.93	4083259	14.76	2313816	20.28
02 QC	953501	10.94	3189141	14.78	1810669	20.30
03 QCDUP	1253673	10.94	4114250	14.78	1615992	20.30
04 WR-713	1125578	10.94	3972387	14.77	2372290	20.30
05 WR-713MS	759148	10.94	2792271	14.78	1640325	20.30
06 WR-713MSD	671347	10.95	2495564	14.78	1550893	20.30

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D018.D Date Analyzed: 12/10/97
Instrument ID: ABN2 Time Analyzed: 09:16

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2666655	24.88	1447804	33.23	1061810	37.40
UPPER LIMIT	5333310	24.38	2895608	32.73	2123620	36.90
LOWER LIMIT	1333328	25.38	723902	33.73	530905	37.90
EPA SAMPLE NO.						
01 BLK01	2996720	24.88	1254573	33.23	756304	37.39
02 QC	3112520	24.90	1733977	33.25	1353689	37.42
03 QCDUP	2588683	24.90	2584211	33.28	2063887	37.43
04 WR-713	3432026	24.90	1575796	33.25	1021831	37.41
05 WR-713MS	2566913	24.90	1372649	33.26	1023178	37.41
06 WR-713MSD	2484779	24.91	1204844	33.25	951874	37.41

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D019.D Date Analyzed: 12/10/97
Instrument ID: ABN2 Time Analyzed: 16:39

	IS1(DCB)		IS2(NPT)		IS3(ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	829257	10.91	2978280	14.75	1917663	20.28
UPPER LIMIT	1658514	10.41	5956560	14.25	3835326	19.78
LOWER LIMIT	414629	11.41	1489140	15.25	958832	20.78
EPA SAMPLE NO.						
01 WR-716	806498	10.92	2864744	14.74	1766426	20.27
02 WR-CR5	838203	10.91	2994576	14.75	1880111	20.27
03 WR-CR6	709722	10.91	2413956	14.75	1548843	20.27
04 WR-CR7	687246	10.91	2426777	14.75	1539061	20.28

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
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Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D019.D Date Analyzed: 12/10/97
Instrument ID: ABN2 Time Analyzed: 16:39

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	3200875	24.88	1850814	33.24	1307905	37.40
UPPER LIMIT	6401750	24.38	3701628	32.74	2615810	36.90
LOWER LIMIT	1600438	25.38	925407	33.74	653953	37.90
EPA SAMPLE NO.						
01 WR-716	2937690	24.87	2111129	33.24	1436635	37.39
02 WR-CR5	3350201	24.88	2499535	33.24	1930704	37.42
03 WR-CR6	2716989	24.88	2179771	33.25	1680802	37.43
04 WR-CR7	2717717	24.88	2250884	33.26	1875733	37.44

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K2S8D020.D Date Analyzed: 12/11/97
Instrument ID: ABN2 Time Analyzed: 09:17

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	997146	10.81	3420580	14.66	2062653	20.17
UPPER LIMIT	1994292	10.31	6841160	14.16	4125306	19.67
LOWER LIMIT	498573	11.31	1710290	15.16	1031327	20.67
EPA SAMPLE NO.						
01 WR-CR8	789947	10.82	2839486	14.64	1681563	20.16
02 WR-621	890620	10.81	2961227	14.65	1721250	20.17
03 WR-744	875000	10.81	3022169	14.64	1634365	20.19
04 WR-766	1053395	10.82	3454792	14.64	1854360	20.16
05 WR-767	947723	10.81	3385467	14.64	1993449	20.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D020.D Date Analyzed: 12/11/97
Instrument ID: ABN2 Time Analyzed: 09:17

	IS4(PHN)		IS5(CRY)		IS6(PRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	3515361	24.76	2463083	33.11	2150350	37.27
UPPER LIMIT	7030722	24.26	4926166	32.61	4300700	36.77
LOWER LIMIT	1757681	25.26	1231542	33.61	1075175	37.77
EPA SAMPLE NO.						
01 WR-CR8	2664647	24.76	2227886	33.11	1815291	37.28
02 WR-621	2787145	24.77	2118440	33.22	1154159	37.46
03 WR-744	2654791	24.77	2231349	33.13	1601058	37.28
04 WR-766	2865664	24.77	2411274	33.14	1741929	37.28
05 WR-767	3364479	24.77	2937245	33.15	2120268	37.30

IS1 (DCB) = 1,4-Dichlorobenzene-d4
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Lab File ID (Standard): K2S8D073.D Date Analyzed: 12/26/97
Instrument ID: ABN2 Time Analyzed: 22:39

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	884384	10.55	2979159	14.37	1810578	19.87
UPPER LIMIT	1768768	10.05	5958318	13.87	3621156	19.37
LOWER LIMIT	442192	11.05	1489580	14.87	905289	20.37
EPA SAMPLE NO.						
01 WR-621 E9730	865561	10.54	2618541	14.36	1714805	19.86

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Lab File ID (Standard): K2S8D073.D Date Analyzed: 12/26/97
Instrument ID: ABN2 Time Analyzed: 22:39

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	3183489	24.45	2542103	32.79	2247893	36.93
UPPER LIMIT	6366978	23.95	5084206	32.29	4495786	36.43
LOWER LIMIT	1591745	24.95	1271052	33.29	1123947	37.43
EPA SAMPLE NO.						
01 WR-621 E973	2887993	24.44	2065286	32.76	1749156	36.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
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* Values outside of contract required QC limits

ANALYSIS REPORT
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
Building E2100, APG, MD 21010
ANALYTICAL SPECTROMETRY DIVISION

Installation: WALTER REED AMC

Project Number: 37-21-6209

Job Number: 7A8571

Project Officer: SHEEHY

Number of Samples: 72

Matrix: WIPE

Analyzed for: Semivolatiles
Method: 8270B (TICs)

FIELD #	LAB #	DATA FILE #
WR-631	E9731	s2s8d034.d
WR-632	E9732	s2y8d080.d
WR-633	E9733	s2y8d081.d
WR-634	E9734	s2y8d082.d
WR-635	E9735	s2y8d083.d
WR-636	E9736	s2y8d084.d
WR-637	E9737	s2y8d085.d
WR-63A1	E9738	s2y8d086.d
WR-641	E9739	s2s8d035.d
WR-661	E9740	s2s8d036.d
WR-662	E9741	s2y8d087.d
WR-663	E9742	s2y8d101.d
WR-664	E9743	s2s8d037.d
WR-665	E9744	s2s8d038.d
WR-667	E9745	s2s8d039.d
WR-671	E9746	s2y8d102.d
WR-672	E9747	s2y8d103.d
WR-673	E9748	s2y8d066.d
WR-674	E9749	s2y8d067.d
WR-675	E9750	s2y8d068.d
WR-676	E9751	s2y8d104.d
WR-677	E9752	s2y8d069.d
WR-691	E9753	s2y8d105.d
WR-692	E9754	s2y8d106.d
WR-69A1	E9755	s2y8d070.d
WR-69A2	E9756	s2y8d071.d
WR-69A3	E9757	s2y8d072.d
WR-69A4	E9758	s2y8d107.d
WR-69A5	E9759	s2y8d108.d
WR-69A6	E9760	s2y8d109.d
WR-711	E9761	s2y8d073.d

WR-712	E9762	s2y8d074.d
WR-714	E9764	s2y8d110.d
WR-715	E9765	s1y8d012.d
WR-721	E9767	s1y8d013.d
WR-722	E9768	s1y8d014.d
WR-723	E9769	s1y8d015.d
WR-724	E9770	s1y8d016.d
WR-725	E9771	s1y8d017.d
WR-726	E9772	s1y8d018.d
WR-727	E9773	s1y8d019.d
WR-72A1	E9774	d1y8d020.d
WR-72A3	E9775	d1y8d021.d
WR-72A2	E9776	d1y8d022.d
WR-741	E9777	d1y8d023.d
WR-742	E9778	d1y8d024.d
WR-743	E9779	d1y8d025.d
WR-745	E9781	d1y8d026.d
WR-761	E9782	d1y8d027.d
WR-762	E9783	s1y8d029.d
WR-763	E9784	s1y8d030.d
WR-764	E9785	s1y8d031.d
WR-765	E9786	s1y8d032.d
WR-768	E9789	s1y8d033.d
WR-769	E9790	s1y8d034.d
WR-7610	E9791	s1y8d035.d
WR-H1	E9792	s1y8d036.d
WR-H2	E9793	s1y8d037.d
WR-CR1	E9794	s1y8d038.d
WR-CR2	E9795	s1y8d039.d
WR-CR3	E9796	s1y8d041.d
WR-CR4	E9797	s1y8d042.d
WR-CR9	E9802	s1y8d043.d
WR-638	E9803	s1y8d044.d
WR-639	E9804	s1y8d045.d
WR-72A4	E9805	s1y8d046.d
B-1	E9806	s2y8d111.d
B-2	E9807	s2y8d112.d
B-3	E9808	s2y8d113.d
B-4	E9809	s1y8d047.d
B-5	E9810	s1y8d048.d
B-6	E9811	s1y8d049.d

Analyst: Roseann Mannon Date: 12 Jan 98

Reviewed by: [Signature] Date: 12 Jan 98

Reviewed by: [Signature] Date: 12 Jan 98

Release authorized by: [Signature] 12 Jan 98

This report shall not be reproduced except in full without the written approval of the laboratory. The results relate only to the specific samples identified within this report.

SUMMARY OF RESULTS
WALTER REED AMC
37-21-6209

Holding Times

Collection Date: 3-4 DEC 97
Received Date: 8 DEC 97
Extraction Date: 10 & 16 DEC 97
Analysis Date: 11, 26-29 DEC 97

Background

These results represent the search for Tentatively Identified Compounds (TICs) performed on each of the wipe samples.

Results

The compounds most often found in the TIC search are 4-methyl-3-penten-2-one and 4-hydroxy-4-methyl-2-pentanone. These compounds are artifacts of acetone used in the extraction process. A few other compounds were tentatively identified and are listed on the appropriate form 1F. No polychlorinated biphenyls were identified in the library search results for any of the samples.

Analyst: Joselyn Macaroni

Date: 12 Jan 98

Analysis Data Sheet Qualifier codes:

B - Indicates analyte was found in the associated blank as well as in the sample.

D - Indicates sample was diluted.

E - Indicates reported value exceeds the upper limit of the quantitation curve.

J - Indicates reported value is an estimate.

U - Indicates compound was analyzed for but not detected.

N - Indicates non-target compound.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LAB BLANK #1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #1 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D076.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.95	67	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.21	40	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LAB BLANK #2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #2 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B2Y8D088.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.95	48	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.24	25	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LAB BLANK #3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #3 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D008.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.80	43	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.90	17	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LAB BLANK #4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: LAB BLANK #4 WI
Sample wt/vol: 1000 (g/ml) ML Lab File ID: B1Y8D010.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.76	40	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.87	17	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-631

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-631 E9731
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D034.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.30	54	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.53	30	JN B
3. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	32.16	13	JN
4.	unknown	38.15	15	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-632

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-632 E9732
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D080.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.96	57	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.21	36	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-633

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-633 E9733
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D081.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.96	55	JN'B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.24	26	JN'B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-634

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-634 E9734
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D082.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.95	64	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.22	31	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-635

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-635 E9735
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D083.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.97	44	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.24	20	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-636

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-636 E9736
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D084.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	66	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.21	37	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-637

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-637 E9737
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D085.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	65	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.20	37	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-63A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-63A1 E9738
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D086.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	63	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.19	36	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-641

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-641 E9739
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D035.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.29	39	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.59	21	JN B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-661

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-661 E9740
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D036.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.30	60	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.53	32	JN ~~B~~
3. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	32.15	19	JN
4.	unknown	35.45	6	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-662

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-662 E9741
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D087.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.95	52	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.23	29	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-663

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-663 E9742
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D101.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.91	66	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.18	31	JN ~~B~~
3. 000143-07-7	Dodecanoic acid	20.94	4	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-664

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-664 E9743
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D037.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.29	67	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.52	36	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-665

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-665 E9744 0.6
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D038.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.28	50	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.53	26	JN ^B
3. 000095-14-7	1H-Benzotriazole	20.03	16	JN
4. 000115-86-6	Phosphoric acid, triphenyl ester	32.28	15	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-667

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-667 E9745
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2S8D039.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.29	52	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.52	28	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-671

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-671 E9746
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D102.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	59	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.20	29	JN ^B
3.	unknown	31.76	10	J
4. 000544-85-4	Dotriacontane	37.99	5	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-672

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-672 E9747
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D103.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	59	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.20	30	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-673

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-673 E9748
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D066.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.02	55	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.26	30	JN ^B
3.	unknown	29.28	6	J
4. 028553-12-0	1,2-Benzenedicarboxylic acid, dii	35.04	9	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-674

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-674 E9749
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D067.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.03	47	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.29	28	JN B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-675

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-675 E9750
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D068.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.02	47	JN <u>B</u>
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.27	33	JN <u>B</u>

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-676

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-676 E9751
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D104.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	58	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.19	33	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-677

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-677 E9752
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D069.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.00	57	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.27	33	JN ^B
3. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	31.89	18	JN
4.	unknown	32.49	26	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-691

Lab Name: USACHPPM

Contract: SHEEHY

Lab Code: 37-21-6209

Case No.: WALTER

SAS No.: 7A8571

SDG No.: _____

Matrix: WIPE

Lab Sample ID: WR-691 E9753

Sample wt/vol: 1000 (g/ml) ML

Lab File ID: S2Y8D105.D

Level: (low/med) LOW

Date Received: 12/04/97

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4

(ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	64	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.19	34	JN B
3.	unknown	31.79	150	J
4.	unknown hydrocarbon	32.53	9	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-692

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-692 E9754
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D106.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	47	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.22	26	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.
TENTATIVELY IDENTIFIED COMPOUNDS

WR-69A1

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-69A1 E9755

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D070.D

Level: (low/med) LOW Date Received: 12/04/97

% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.05	62	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.28	35	JN ~~B~~
3.	unknown	6.55	6	J
4. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	31.88	170	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-69A2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-69A2 E9756
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D071.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.04	55	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.28	31	JN ^B
3.	unknown	29.28	5	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-69A3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A3 E9757
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D072.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.03	57	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.28	31	JN B
3.	unknown	35.15	5	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-69A4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A4 E9758
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D107.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.98	17	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.30	9	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-69A5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A5 E9759
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D108.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	56	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.21	26	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-69A6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-69A6 E9760
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D109.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	59	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.19	31	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-711

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-711 E9761
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D073.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.01	55	JN <u>B</u>
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.26	33	JN <u>B</u>

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-712

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-712 E9762
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D074.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.05	49	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.29	28	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-714

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-714 E9764
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D110.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	66	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.20	36	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-715

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-715 E9765
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D012.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.79	34	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.91	14	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-721

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-721 E9767
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D013.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	18.08	46	J
2.	unknown	24.68	110	J
3.	unknown	30.26	330	J
4.	unknown	32.66	48	J
5. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	33.60	190	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-722

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-722 E9768
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D014.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.82	38	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.92	16	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-723

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-723 E9769
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D015.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.78	45	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.89	19	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-724

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-724 E9770
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D016.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.85	42	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.93	18	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-725

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-725 E9771
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D017.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.76	25	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.88	10	JN ^B
3.	unknown	19.14	8	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-726

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-726 E9772
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D018.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.83	19	JN B
2. 026137-53-1	Naphthalene, 1,2,3-trimethyl-4-pr	25.05	59	JN
3. 002719-63-3	Benzene, (1-butyl)octyl-	25.18	12	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-727

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-727 E9773
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D019.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/27/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.84	23	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.93	10	JN ^B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-72A1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-72A1 E9774
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D020.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.79	36	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.90	16	JN ^B
3. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	33.58	140	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-72A3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-72A3 E9775
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D021.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.80	14	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.90	6	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-72A2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-72A2 E9776
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D022.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.77	24	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.88	9	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-741

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-741 E9777
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D023.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.75	38	JN <u>B</u>
2. 002719-62-2	Benzene, (1-pentylheptyl)-	25.09	11	JN
3. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	33.63	550	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.
TENTATIVELY IDENTIFIED COMPOUNDS

WR-742

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-742 E9778
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D024.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.78	24	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.88	11	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-743

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-743 E9779
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D025.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.76	31	JN <u>B</u>
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.87	13	JN <u>B</u>

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-745

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-745 E9781
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D026.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.78	26	JN ~~13~~
2.	unknown	37.85	13	J
3.	unknown	38.10	14	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-761

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-761 E9782
Sample wt/vol: 1000 (g/ml) ML Lab File ID: D1Y8D027.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.81	22	JN ^B
2. 000078-51-3	Ethanol, 2-butoxy-, phosphate (3:	33.53	22	JN
3.	unknown	36.93	20	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-762

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-762 E9783
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D029.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.77	22	JN <u>B</u>
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.88	10	JN <u>B</u>
3.	unknown	36.93	29	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-763

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-763 E9784
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D030.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.80	29	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.89	13	JN B
3.	unknown hydrocarbon	37.43	4	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-764

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-764 E9785
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D031.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.72	26	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.84	11	JN ^B
3. 004337-65-9	Hexanedioic acid, mono(2-ethylh	33.36	8	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-765

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-765 E9786
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D032.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.74	19	JNTB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.85	8	JNTB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-768

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-768 E9789
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D033.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.75	40	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.86	19	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-769

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-769 E9790
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D034.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000057-10-3	Hexadecanoic acid	28.22	29	JN
2. 000057-11-4	Octadecanoic acid	30.69	27	JN
3.	unknown	41.14	24	J
4.	unknown	43.25	27	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-7610

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-7610 E9791
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D035.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.79	29	JN ^B
2.	unknown	35.18	25	J
3.	unknown	40.95	600	J
4.	unknown	41.19	55	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-H1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-H1 E9792
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D036.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	37.06	150	J
2.	unknown	37.09	45	J
3.	unknown	37.22	230	J
4.	unknown	37.53	340	J
5.	unknown	37.92	28	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-H2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-H2 E9793
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D037.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/28/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.70	51	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.82	21	JNB
3.	unknown	36.23	83	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR1

Lab Name: USACHPPM

Contract: SHEEHY

Lab Code: 37-21-6209

Case No.: WALTER

SAS No.: 7A8571

SDG No.: _____

Matrix: WIPE

Lab Sample ID: WR-CR1 E9794

Sample wt/vol: 1000 (g/ml) ML

Lab File ID: S1Y8D038.D

Level: (low/med) LOW

Date Received: 12/04/97

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/28/97

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/Kg)

UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.71	29	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.82	13	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR2 E9795
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D039.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.69	21	JN B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.80	10	JN B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR3 E9796
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D041.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.71	10	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.82	4	JN ~~B~~

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: WR-CR4 E9797
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D042.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.72	29	JN <u>B</u>
2. 026171-83-5	2-Pentanone, 4-hydroxy-4-methyl	7.83	12	JN <u>B</u>

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR9

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-CR9 E9802
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D043.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.70	34	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.81	15	JN ^B

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-638

Lab Name: USACHPPM Contract: SHEEHY

Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____

Matrix: WIPE Lab Sample ID: WR-638 E9803

Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D044.D

Level: (low/med) LOW Date Received: 12/04/97

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.70	36	JN ~~B~~
2. 002719-62-2	Benzene, (1-pentylheptyl)-	25.05	20	JN
3. 002719-63-3	Benzene, (1-butyloctyl)-	25.12	19	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-639

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-639 E9804
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D045.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.69	30	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.81	12	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-72A4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: WR-72A4 E9805
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D046.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.72	51	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.82	23	JN ^B
3. 000143-07-7	Dodecanoic acid	22.46	8	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-1 E9806
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D111.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.93	58	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.19	36	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-2

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.:
Matrix: WIPE Lab Sample ID: B-2 E9807
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D112.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.94	40	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.23	21	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-3

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-3 E9808
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S2Y8D113.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/10/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.92	60	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.20	33	JN ^B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-4

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-4 E9809
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D047.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 004914-91-4	3-Penten-2-one, 4-methyl	6.74	46	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.83	22	JNB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-5 E9810
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D048.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.74	27	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.84	12	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: 37-21-6209 Case No.: WALTER SAS No.: 7A8571 SDG No.: _____
Matrix: WIPE Lab Sample ID: B-6 E9811
Sample wt/vol: 1000 (g/ml) ML Lab File ID: S1Y8D049.D
Level: (low/med) LOW Date Received: 12/04/97
% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/16/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/29/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) UG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	6.70	26	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	7.81	11	JN ~~B~~

ANALYSIS REPORT
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
Building E2100, APG, MD 21010
ANALYTICAL SPECTROMETRY DIVISION

Installation: WALTER REED AMC

Project Number: 37-21-6209

Job Number: 7A8571

Project Officer: SHEEHY

Number of Samples: 10

Matrix: BULK

Analyzed for: Semivolatiles

Method: 8270B (TICs)

FIELD #	LAB #	DATA FILE #
WR-621	E9730	S2S8D030
WR-713	E9763	S2S8D022
WR-716	E9766	S2S8D025
WR-744	E9780	S2S8D031
WR-766	E9787	S2S8D032
WR-767	E9788	S2S8D033
WR-CR5	E9798	S2S8D026
WR-CR6	E9799	S2S8D027
WR-CR7	E9800	S2S8D028
WR-CR8	E9801	S2S8D029

Analyst: Roseann Mauroni Date: 12 Jan 98

Reviewed by: [Signature] Date: 12 Jan 98

Reviewed by: [Signature] Date: 12 Jan 98

Release authorized by: [Signature] 12 Jan 98

This report shall not be reproduced except in full without the written approval of the laboratory. The results relate only to the specific samples identified within this report.

SUMMARY OF RESULTS
WALTER REED AMC
37-21-6209

Holding Times

Collection Date: 3-4 DEC 97

Received Date: 8 DEC 97

Extraction Date: 9 DEC 97

Analysis Date: 11, 12 & 26 DEC 97

Background

These results represent the search for Tentatively Identified Compounds (TICs) performed on each of the bulk samples.

Results

The compounds most often found in the TIC search are 4-methyl-3-penten-2-one and 4-hydroxy-4-methyl-2-pentanone. These compounds are artifacts of acetone used in the extraction process. O,P'-DDE, o,p'-DDT, and chlorophenothane were tentatively identified in samples WR-766 and WR-767. A compound called Octicizer was tentatively identified in sample WR-621. No polychlorinated biphenyls were identified in the library search results for any of the samples.

Analyst: Lorena Morrison

Date: 12 Jan 98

Analysis Data Sheet Qualifier codes:

B - Indicates analyte was found in the associated blank as well as in the sample.

D - Indicates sample was diluted.

E - Indicates reported value exceeds the upper limit of the quantitation curve.

J - Indicates reported value is an estimate.

U - Indicates compound was analyzed for but not detected.

N - Indicates non-target compound.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BLK 01

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: BLANK BULK 12/9
Sample wt/vol: 30 (g/ml) G Lab File ID: B2S8D019.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.24	1000	J
2. 000141-79-7	3-Penten-2-one, 4-methyl-	5.51	21000	JN
3. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.81	22000	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-621

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-621 E9730 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D030.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2900 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.31	22000	JN <u>B</u>
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.58	22000	JN <u>B</u>
3. 001241-94-7	Octicizer	35.63	29000	JN
4. 056803-37-3	Phosphoric acid, (1,1-dimethyleth	35.99	43000	JN
5.	unknown	38.60	20000	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WR-713

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-713 E9763
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D022.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.25	640	JB
2. 000141-79-7	3-Penten-2-one, 4-methyl-	5.53	13000	JNB
3. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.82	15000	JNB

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-716

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-716 E9766
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D025.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.47	12000	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.77	13000	JN ^B
3.	unknown hydrocarbon	35.93	820	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-744

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-744 E9780 1:2
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D031.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.33	16000	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.58	12000	JN ^B
3. 000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	14.86	14000	JN
4.	unknown	18.09	52000	J
5. 000109-21-7	Butanoic acid, butyl ester	18.47	50000	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-766

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-766 E9787
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D032.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.41	17000	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.68	15000	JNB
3. 003424-82-6	o,p'-DDE	29.93	5900	JN
4. 000789-02-6	o,p'-DDT	31.05	3400	JN
5. 000050-29-3	Chlorophenothane	31.90	8600	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-767

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-767 E9788
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D033.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.42	15000	JN ~~B~~
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.68	12000	JN ~~B~~
3. 003424-82-6	o,p'-DDE	29.95	5200	JN
4. 000789-02-6	o,p'-DDT	31.09	4900	JN
5. 000050-29-3	Chlorophenothane	31.92	13000	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR5

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR5 E9798
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D026.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.46	19000	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.77	18000	JN ^B
3.	unknown hydrocarbon	35.94	1300	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR6

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR6 E9799
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D027.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.46	18000	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.75	17000	JN ^B
3.	unknown	35.33	6100	J
4.	unknown	36.22	1800	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR7

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.: _____
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR7 E9800
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D028.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/10/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.46	19000	JN ^B
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.76	17000	JN ^B
3.	unknown	35.31	2800	J

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WR-CR8

Lab Name: USACHPPM Contract: SHEEHY
Lab Code: WALTER Case No.: 37-21-62 SAS No.: 7A8571 SDG No.:
Matrix: (soil/water) SOIL Lab Sample ID: WR-CR8 E9801
Sample wt/vol: 30 (g/ml) G Lab File ID: S2S8D029.D
Level: (low/med) LOW Date Received: 12/03/97
% Moisture: 1 decanted: (Y/N) N Date Extracted: 12/09/97
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/11/97
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	5.37	18000	JNB
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	6.67	18000	JNB
3.	unknown hydrocarbon	35.82	1100	J