AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been broken down into sections.

EDMC#:	0023286
SECTION:	1 OF 2
DOCUMENT #:	WHC-MR-0299
TITLE:	Data Validation Report 4th Quarter GW Chemical Analysis 1100-EM-1 OU Phase I RI

START

0023286

WHC-MR-0299
Volume 2

Data Validation Report, Fourth Quarter, Groundwater Chemical Analysis, 1100-EM-1 Operable Unit Phase I Remedial Investigation

Prepared for
Westinghouse Hanford Company
by Golder Associates Inc.

Date Published
August 1992

Prepared for the U.S. Department of Energy
Office of Environmental Restoration
and Waste Management

Westinghouse Hanford Company
P.O. Box 1970
Richland, Washington 99352

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

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APPENDIX A

LABORATORY CASE NARRATIVE AND CHAIN OF CUSTODY FORMS

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.
3820 159th Avenue, N.E.
Redmond, WA 98052
(206) 885-0083
FAX (206) 867-2214

January 11, 1991

Kent Angelos
Golder Associates INC
4104 148th AVE NE
Redmond WA 98052

NARRATIVE FOR PNELI 2795, 2797, 2803, 2807, 2812, 2818, and 2822

Enclosed are data summary sheets and supporting documentation for the samples received on November 28, 29, 30, 1990, and December 1, 5, 6, 7, 1990 of the Westinghouse project. The samples were received as follows:

FIELD ID	LAB ID	COLLECTED	FIELD ID	LAB ID	COLLECTED
BOOB45	2795-01	11-26-90	BOOD43	2803-11	11-28-90
BOOD68	2795-02	11-26-90	BOODH7	2803-12	11-28-90
BOOB48	2795-03	11-26-90	BOOD60	2803-13	11-28-90
BOOB49	2795-04	11-26-90	BOOD61	2803-14	11-28-90
BOOB50	2795-05	11-26-90	BOOD62	2807-01	11-29-90
Trip Blank	2795-06	11-26-90	BOOD63	2807-02	11-29-90
BOOD04	2797-01	11-27-90	BOODJ2	2807-03	11-29-90
BOOD20	2797-02	11-27-90	BOOD46	2807-04	11-29-90
BOODH3	2797-03	11-27-90	BOODH8	2807-05	11-29-90
BOOD23	2797-04	11-27-90	BOOD47	2807-06	11-29-90
BOOD24	2797-05	11-27-90	BOOD54	2807-07	11-29-90
BOODG9	2797-06	11-27-90	BOODJ0	2807-08	11-29-90
BOOB53	2797-07	11-27-90	BOOD55	2807-09	11-29-90
BOOB54	2797-08	11-27-90	BOOD50	2807-10	11-29-90
BOODH1	2797-09	11-27-90	BOOD51	2807-11	11-29-90
BOOB57	2797-10	11-27-90	BOODH9	2807-12	11-29-90
BOOB58	2797-11	11-27-90	BOOD58	2807-13	11-29-90
BOODH2	2797-12	11-27-90	BOOD59	2807-14	11-29-90
BOOD27	2803-01	11-28-90	BOODJ1	2807-15	11-29-90
BOODH4	2803-02	11-28-90	BOOD66	2812-01	12-03-90
BOOD28	2803-03	11-28-90	BOOD67	2812-02	12-03-90
BOOD31	2803-04	11-28-90	BOODJ3	2812-03	12-03-90
BOODH6	2803-05	11-28-90	BOOD70	2812-04	12-03-90
BOOD32	2803-06	11-28-90	BOOD71	2812-05	12-03-90
BOOD35	2803-07	11-28-90	BOODJ4	2812-06	12-03-90
BOOD36	2803-08	11-28-90	BOOD74	2812-07	12-03-90
BOODH5	2803-09	11-28-90	BOOD75	2812-08	12-03-90
BOOD42	2803-10	11-28-90	BOODJ5	2812-09	12-03-90

BOOD78	2812-10	12-03-90	BOOD89	2818-04	12-04-90
BOOD79	2812-11	12-03-90	BOOD90	2818-05	12-04-90
BOODJ6	2812-12	12-03-90	BOODJ8	2818-06	12-04-90
BOOD82	2812-13	12-03-90	BOODG4	2818-07	12-04-90
BOOD83	2812-14	12-03-90	BOODG5	2818-08	12-04-90
BOODJ7	2812-15	12-03-90	BOODK0	2818-09	12-04-90
BOODF5	2818-01	12-04-90	BOODK3	2822-01	12-06-90
BOODF5	2818-02	12-04-90	BOODK4	2822-02	12-06-90
BOODK1	2818-03	12-04-90			

Listed below are anomalies and narratives associated with the receipt and/or analysis of these samples.

Sample Receiving for Trip Blanks

The following samples are trip blanks which were placed on HOLD as per Kent Angelos of Golder.

2795-06	2803-13	2812-09
2797-03	2803-14	2812-12
2797-06	2807-03	2812-15
2797-12	2807-05	2818-03
2803-02	2807-08	2818-06
2803-05	2807-15	
2803-12	2812-06	

Only one trip blank per shipment was analyzed. Following is the list of trip blanks which were analyzed as per Kent Angelos of Golder.

2795-02	2807-12	2822-01
2797-09	2812-03	2822-02
2803-09	2818-09	

Sample Receiving-2795

The samples 2795-02 and -06 each contained an airbubble in two of two vials for volatiles analysis. The sample 2795-02 was analyzed as originally requested and the sample 2795-06 was placed on hold.

Kent Angelos of Golder was notified verbally of the above sample receiving anomaly.

Sample Receiving-2797

The sample 2797-09 contained an airbubble in one of two vials for volatiles analysis. The vial without the airbubble was to be used for analysis.

The samples 2797-03, -06, and -12 contained an airbubble in two of two vials for volatiles analysis. The samples were placed on hold.

Kent Angelos of Golder was notified verbally of the above sample receiving anomalies.

Sample Receiving-2803

The samples 2803-05, -09, and 12 contained an airbubble in one of two vials for volatiles analysis. Samples -05 and -12 were placed on hold. For sample -09, the vial without the airbubble was to be used for analysis.

The sample 2803-02 contained an airbubble in two of two vials for volatiles analysis. The sample was placed on hold.

Kent Angelos of Golder was notified verbally of the above sample receiving anomalies.

Sample Receiving-2807

The sample 2807-03 contained an airbubble in two of two vials for volatiles analysis. The sample was placed on hold.

The samples 2807-08 and -15 contained an airbubble in one of two vials for volatiles analysis. The sample was placed on hold.

Kent Angelos of Golder was notified verbally of the above sample receiving anomalies.

Sample Receiving-2812

The sample 2812-03 contained an airbubble in two of two vials for volatiles analysis. The sample was processed as originally requested.

The samples 2812-06, -12, and -15 contained an airbubble in one of two vials for volatiles analysis. The vial without the airbubble was to be used for analysis.

The sample 2812-10 for TOC analysis was broken upon receipt. The sample for TOX was split and used for both TOC and TOX analysis.

Kent Angelos of Golder was notified verbally of the above sample receiving anomalies.

Sample Receiving-2818

The samples 2818-03 and -06 contained an airbubble in one of two vials for volatiles analysis. The vial without the airbubble was to be used for analysis.

The sample 2818-04 contained an airbubble in one of four vials for volatiles analysis. The vial without the airbubble was to be used for analysis.

Kent Angelos of Golder was notified by memo of the above sample receiving anomalies.

Sample Receiving-2822

The samples contained an airbubble in one of four vials for volatiles analysis. The vials without the airbubbles were to be used for analysis.

Volatiles Analysis

Low detection limits are being reported for five analytes: benzene, vinyl chloride, 1,2-dichloroethane, 1,1-dichloroethene, and trichloroethene. Standards were analyzed daily at 5 $\mu g/\ell$ to demonstrate the ability to detect low levels. Raw data are included for the 5 $\mu g/\ell$ standards. A summary of the lab detection limit study is being included to further document the ability to detect these analytes at low level. Total trihalomethanes are also being reported.

No problems were encountered with the analyses.

Semivolatiles Analysis

The GCMS computer locked up several times on December 15, 1990, which required re-booting the system on each occasion. Prior to running DFTPP, the system time clock was incorrectly set to 08:15 when it should have been set to 20:15. The computer locked up again after the DFTPP run was completed and the time was properly re-set at that point. The tune time for the DFTPP run D0445 was therefore actually 20:28 instead of 08:28 as reported on Form 5.

Phenoxy Acid Herbicides Analysis

Samples were grouped into two QC batches. Batch number 2795, 2797, and 2803 were grouped together and share 2795-01 matrix spike and matrix spike duplicate. Batches 2807, 2812, 2818, and 2822 share 2807-01 matrix spike and matrix spike duplicate.

Batches 2797 and 2803 were extracted on the same day and share a blank, as do batches 2818 and 2822.

The samples were prepared as detailed in method 509B. GC-ECD analysis followed the protocol in SW846, method 8150. A multi-point calibration curve was run first and midpoint continuing calibration checks were run at least every ten samples with the requirement that the continuing calibration be within +/- 15% of the initial calibration curve.

2,4-DB was used as a surrogate. Recoveries were variable, although most fell in the range of 20-60% recovery. There is sufficient sensitivity in this analytical method that the requested reporting limits could be achieved even when recoveries were less than 10%.

Pesticide/PCB Analysis

Samples in PNELI batch numbers 2795, 2797, and 2803 were all extracted on the same day and share the matrix spike, matrix spike duplicate and blank. The blank for the day is PBLK01, lab sample ID 2795-MB, extracted on December 2, 1990. The MS and MSD are 2797-04MS and -04MSD.

Samples in batches 2807, 2812, 2818, and 2822 share the matrix spike and matrix spike duplicate 2807-04MS and -04MSD. Batch 2807 has its own blank, PBLK01, lab sample ID 2807-MB, extracted on December 5, 1990. Batches 2812, 2818, and 2822 share PBLK01, lab sample ID 2812-MB, extracted on December 7, 1990.

No anomalies were noted with the extraction or analysis of these samples.

Total Metals and Cyanide Analyses

The preparation blank for Digestion Batch No. 2 was analyzed by ICP on December 28, 1990 and was found to exceed the CRDL for zinc. Since there have been isolated incidences of zinc contamination in the ICP autosampler tubes, and since all of the samples contained less than the CRDL for zinc (in fact, all but one sample contained less than the IDL), the preparation blank was reanalyzed at the end of the run.

Dissolved Metals Analysis

The matrix spike sample percent recovery of selenium was outside of the established control limits of 75-125% for samples 2795-03 and 2812-08.

General Chemistry Analyses

The matrix spike sample percent recovery of nitrate+nitrite - nitrogen was outside of the established control limits of 75-125% for sample 2797-04.

Sample 2797-01 was originally analyzed for total dissolved solids on December 3, 1990. The value obtained was suspect; therefore, the sample was re-analyzed on December 13, 1990. The value obtained on December 13, 1990 has been reported.

The holding time for pH, nitrite, nitrate, and orthophosphate was exceeded for all samples.

TOX and TOX Analyses

There were no anomalies reported for this case.

Inorganic Quality Assurance/Quality Control for Total Metals, Dissolved Metals, and Cyanide Analyses

Blank Analysis - a method blank is prepared with each batch of samples digested or extracted. The

9213-6591554

method blank defines the level of background (laboratory) contamination.

Duplicate Analysis - selected samples are prepared and analyzed in duplicate to define the precision of the results. These results have been summarized in the QC section of this report.

Matrix Spike Analysis - each of the analytes of interest are added to the selected samples prior to sample preparation. The results of matrix spike analyses define the accuracy of the results. These results have been summarized in the QC section of this report.

Instrument Calibration - instrument calibration is performed in accordance with EPA CLP protocols. Calibration verification is conducted every 2 hours or every ten samples, whichever is more frequent.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Sincerely,

Rand G. Jenkins

Enclosures

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NatEx Laboratories, Inc.
Pacific Northwest Environmental Laboratory, Inc.

\MTH

METHOD REFERENCE

Analytical Methods for Volatiles	Environmental Protection Agency, Contract Laboratory Program, Organic Statement of Work, Exhibit-D, February 1988.
Analytical Methods for Semi-Volatiles	Environmental Protection Agency, Contract Laboratory Program, Organic Statement of Work, Exhibit-D, February 1988.
Herbicide extraction	Method 509B. Chlorinated Phenoxy Acid Herbicides. Standard Methods for the Examination of Water and Waste Water, American Public Health Association, 16th Ed., 1985.
Chlorinated Herbicides	Method 8150, Test Methods for Evaluating Solid Waste, United States Environmental Protection Agency, SW-846, 3rd Ed., 1986.
Analytical Methods for Pesticides/PCBs	Environmental Protection Agency, Contract Laboratory Program, Organic Statement of Work, Exhibit-D, February 1988.
Atomic Absorption Methods, Furnace Technique	Environmental Protection Agency, Contract Laboratory Program, Inorganic Statement of Work, Exhibit-D, February 1988.
Inductively Coupled Plasma-Atomic Emission Spectrometric Method	Environmental Protection Agency, Contract Laboratory Program, Inorganic Statement of Work, Exhibit-D, February 1988.
Cold Vapor Methods for Mercury Analysis	Environmental Protection Agency, Contract Laboratory Program, Inorganic Statement of Work, Exhibit-D, February 1988.
Methods for Cyanide Analysis	Environmental Protection Agency, Contract Laboratory Program, Inorganic Statement of Work, Exhibit-D, February 1988.
pH (electrometric)	Method 150.1, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Nitrogen, Ammonia (Colorimetric; titrimetric; potentiometric, Distillation procedure)	Method 350.2, Measurement for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency - 600/4-79-020, 1983 Revision.
Fluoride (Potentiometric, Ion selective electrode)	Method 340.2, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Chemical oxygen demand (titrimetric, low-level)	Method 410.2, Measurement of Chemical Analysis for Water and Waste, United States Environmental Protection Agency - 600/4-79-020, 1983 Revision.

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METHOD REFERENCE, Continued

Determination of Inorganic Anions in water by Ion Chromatography	Method 300.0, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-84-017, March, 1984.
Alkalinity (Titrimetric)	Method 310.1, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Conductance (specific conductance, umhos at 25°C)	Method 120.1, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Nitrate, Nitrite	Method 353.2, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Residue, filterable - Total Dissolved Solids (gravimetric)	Method 160.1, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.
Total Organic Halides	Method 9020, Test Methods for Evaluating Solid Waste, United States Environmental Protection Agency, SW-846, 3rd Ed., 1986.
Organic Carbon, Total (combustion)	Method 415.1, Methods for the Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 600/4-79-020, 1983 Revision.

A10

NATIONAL EXPRESS LABORATORIES, INC.
NATEX
Pacific Northwest Environmental Laboratory, Inc.
3820 159th Avenue, N.E.
Redmond, WA 98052
(206) 885-0083
FAX (206) 867-2214

DATA REPORTING QUALIFIERS

Some of these qualifiers may appear in this analytical data report. Soil samples are analyzed and reported on a dry weight basis unless otherwise noted.

ORGANICS QUALIFIERS

A - This flag indicates that a TIC is a suspected aldol-condensation product.

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

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a target compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

M - Indicates value is taken from a medium level analysis.

ND- Not detected. Detection limit shown in parentheses.

NQ- Not quantitated as...

U - Indicates compound was analyzed for but not detected at the given detection limit. The sample quantitation limit was corrected for dilution and for percent moisture, when applicable.

X - Other specific flags and footnotes may be required to properly define the results. If more than two qualifiers are required for a sample result, the "X" flag combines several flags, as needed. For instance, the "X" flag might combine the "A," "B," and "D" flags for some sample.

* - Indicates spiked compounds used for MS/MSD analysis.

INORGANICS QUALIFIERS

NA- Relative percent difference calculation is not applicable to analytes when not detected.

NC- Not calculated when analyte is not detected.

NS- Not calculated when sample concentration of analyte exceeds spike level by a factor of four or more.

U - Indicates that analyte was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

B - Indicates that analyte was analyzed for and detected, but the concentration was less than the CRDL provided in the current SOW for inorganics CLP.

INORGANICS METHOD QUALIFIERS

CV- Manual Cold Vapor AA

F - FURNACE AA

P - ICP

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NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL 2795

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Cyanide	SO4	NO3/NO2	COD/Ammonia	CLP	VOA	CLP-Semi VOA	Comments
B00B45	MW-12	11/26/90	1215	liquid	5						✓		amber glass
B00B45	MW-12	11/26/90	1221	liquid	1		✓						
B00B45	MW-12	11/26/90	1222	liquid	1			✓					pH=1
B00B45	MW-12	11/26/90	1211	liquid	1	✓							pH=12
B00B45	MW-12	11/26/90	1209	liquid	1				✓				pH=1
B00B45	MW-12	11/26/90	1217	liquid	1	—	—	—	—	—			→ TOX
B00B45	MW-12	11/26/90	1221	liquid	1	—	—	—	—	—			→ TOC
B00B45	MW-12	11/26/90	1210	liquid	1	—	—	—	—	—		→	Anion, TDS, pH, Alkalinity, Conductivity
B00B45	MW-12	11/26/90	1210	liquid	1	—	—	—	—	—		→	Total Metals & pH
B00B45	MW-12	11/26/90	1233	liquid	4					✓			

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/26/90	Time 1556	Received By	[signature]	Date 11/26/90	Time 1556
2. Relinquished By	[signature]	Date 11/27/90	Time 1630	Received By	[signature]	Date 11/27/90	Time 1638
3. Relinquished By	[signature]	Date 11/28/90	Time 0800	Received By	[signature]	Date 11/28/90	Time 0800
4. Relinquished By	[signature]	Date 11/28/90	Time 1845	Received By	[signature] PNEL	Date 11/28/90	Time 1845

WHC-MR-0290

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNFL 2795

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-VOA	CLP Dissolved Metals					Comments
02x B00D68	MW-12 O	11/26/90	-	liquid	2	✓						Trip Blank
03x B00B48	MW-12 O	11/26/90	1246	liquid	1		✓					Filtered pH=1
												small bubbles in 2 of 2 <1/4"

Analysis and Container

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.H. Wagner	Date 11/26/90	Time 1556	Received By	L.D. Walker	Date 11/26/90	Time 1556
2. Relinquished By	L.D. Walker	Date 11/27/90	Time 1629	Received By	[illegible]	Date 11/27/90	Time 1630
3. Relinquished By	[illegible]	Date 11/28/90	Time 0801	Received By	[illegible]	Date 11/28/90	Time 0801
4. Relinquished By	[illegible]	Date 11/28/90	Time 1845	Received By	[illegible] PNFL	Date 11/28/90	Time 1845

A/2

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2795

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR-0293

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semi VOC	TOX	TOC	Cyanide	Ammonia, pH/Alk, Conductivity	CLP Metals	Comments
1	B00B49	MW-13	11/26/90	1516	liquid	5	✓						
1	B00B49	MW-13	11/26/90	1502	liquid	1		✓					
1	B00B49	MW-13	11/26/90	1501	liquid	1			✓				
1	B00B49	MW-13	11/26/90	1457	liquid	1				✓			pH=12
1	B00B49	MW-13	11/26/90	1458	liquid	1					✓		pH=6
1	B00B49	MW-13	11/26/90	1459	liquid	1						✓	pH=1
1	B00B49	MW-13	11/26/90	1501	liquid	1	—	—	—	—	—	—	SO4
1	B00B49	MW-13	11/26/90	1500	liquid	1	—	—	—	—	—	—	NO3/NO2 pH=1
1	B00B49	MW-13	11/26/90	1502	liquid	1	—	—	—	—	—	—	COD/Amonia pH=1
1	B00B49	MW-13	11/26/90	1520	liquid	4	—	—	—	—	—	—	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	Date 11/26/90	Time 1555	Received By	Date 11/26/90	Time 1555
2. Relinquished By	Date 11/27/90	Time 1630	Received By	Date 11/27/90	Time 1630
3. Relinquished By	Date 11/28/90	Time 0800	Received By	Date 11/28/90	Time 0800
4. Relinquished By	Date 11/28/90	Time 1845	Received By PNEL	Date 11/28/90	Time 1845

9 2 1 2 6 5 9 1 5 6 2

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2795

Laboratory Contact:

Send Lab Report To: Ken Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Diluted Metals	Trip Blank VOA						Comments
B00B50	MW-13	11/26/90	1528	liquid	1	✓							Filtered pH=1
TripBlank	MW-13	11/26/90	—	liquid	2		✓						Trip Blank (small a.b. in 20[illegible])

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/26/90 Time 1555 Received By [signature] Date 11/26/90 Time 1555
2. Relinquished By [signature] Date 11/27/90 Time 1630 Received By [signature] Date 11/27/90 Time 1630
3. Relinquished By [signature] Date 11/28/90 Time 0800 Received By [signature] Date 11/28/90 Time 0800
4. Relinquished By [signature] Date 11/28/90 Time 1845 Received By [signature] PNEL Date 11/28/90 Time 1845

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NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PLXEL # 2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semivol.	SO4	NO3/NO2	Cyanide	CLP Amenia	TOX	Comments
B00D04	MW-8	11/27/90	1150	liquid	5	✓						
B00D04	MW-8	11/27/90	1150	liquid	1		✓					
B00D04	MW-8	11/27/90	1150	liquid	1			✓				pH=1
B00D04	MW-8	11/27/90	1150	liquid	1				✓			pH=12
B00D04	MW-8	11/27/90	1150	liquid	1					✓		pH=1
B00D04	MW-8	11/27/90	1150	liquid	1						✓	
B00D04	MW-8	11/27/90	1150	liquid	1							→ TOC
B00D04	MW-8	11/27/90	1150	liquid	1							→ Quick TOC Alkalinity pH Conductivity
B00D04	MW-8	11/27/90	1150	liquid	1							→ Total Metals pH=1
B00D04	MW-8	11/27/90	1150	liquid	4							→ CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/27/90	Time 1630	Received By	R D Walker	Date 11/27/90	Time 1630
2. Relinquished By	R D Walker	Date 11/28/90	Time 0956	Received By	[signature]	Date 11/28/90	Time 0956
3. Relinquished By	[signature]	Date 11/28/90	Time 1000	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

WHC-MR-0293

A15

9 2 1 2 6 5 9 1 5 6 4

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL #2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals (Filtered)	Analysis and Container: Trip Blank						Comments
B00D20	MW-8	11/27/90	1150	liquid	1	✓							pH = 1
B00DH3	MW-8	11/27/90	1500	liquid	1		✓						bubbles in 2.5 = 1/4"
	NOTE: COMPLETE SAMPLING AT 1150												

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/27/90	Time 1638	Received By	[signature]	Date 11/27/90	Time 1630
2. Relinquished By	[signature]	Date 11/28/90	Time 0956	Received By	[signature]	Date 11/28/90	Time 0956
3. Relinquished By	[signature]	Date 11/28/90	Time 1000	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

WHC-MR-0

A16

9 2 1 2 6 9 1 5 6 5

1 of 8

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PUEL # 2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semi vol	SO4	NO3/NO2	Cyanide	COD Ammonia	TOX	Comments
B00D23	MW-9	11/27/90	1000	liquid	5	✓						
B00D23	MW-9	11/27/90	1000	liquid	1		✓					
B00D23	MW-9	11/27/90	1000	liquid	1			✓				pH=1
B00D23	MW-9	11/27/90	1000	liquid	1				✓			pH=12
B00D23	MW-9	11/27/90	1000	liquid	1					✓		pH=1
B00D23	MW-9	11/27/90	1000	liquid	1						✓	
B00D23	MW-9	11/27/90	1000	liquid	1							TOC
B00D23	MW-9	11/27/90	1000	liquid	1						→	anions, TDS, pH, Alkalinity, Conductivity
B00D23	MW-9	11/27/90	1000	liquid	1							Total Metals pH=1
B00D23	MW-9	11/27/90	1000	liquid	1						→	Dissolved metals (Filtered) pH=1

Special Instructions: JW 11/27/90

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By: J.W. Wynn Date: 11/27/90 Time: 1630 Received By: R.P. Walker Date: 11/27/90 Time: 1630
2. Relinquished By: R.P. Walker Date: 11/28/90 Time: 0955 Received By: J.W. Wynn Date: 11/28/90 Time: 0955
3. Relinquished By: J.W. Wynn Date: 11/28/90 Time: 1044 Received By: Date: Time:
4. Relinquished By: Date: Time: Received By: Date: Time:

WHC-MR-0299

417

9 2 1 2 6 5 9 1 5 5 6

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2797

Laboratory Contact:

Send Lab Report To: Kent Angela

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP VOA	Treated CLP-VOA					Comments
B00D23	MW-9	11/27/90	1000	liquid	4	✓						
B00D69	MW-9	11/27/90	1000	liquid	2		✓					sm. airbubble in 2 of 2 2 1/4"
	NOTE: Began Sampling at 1000.											

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/27/90 Time 1630 Received By [signature] Date 11/27/90 Time 1630
2. Relinquished By [signature] Date 11/28/90 Time 0955 Received By [signature] Date 11/28/90 Time 0955
3. Relinquished By [signature] Date 11/28/90 Time 1000 Received By Date Time
4. Relinquished By Date Time Received By Date Time

A18

92126 91567

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL#2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semivol	SO4	NO3/NO2	Cyanide	COD	Ammonia	TOX	Comments
B00B53	MW-14	11/27/90	1324	liquid	5	✓							
B00B53	MW-14	11/27/90	1310	liquid	1		✓						
B00B53	MW-14	11/27/90	1309	liquid	1			✓					pH=1
B00B53	MW-14	11/27/90	1304	liquid	1				✓				pH=12
B00B53	MW-14	11/27/90	1303	liquid	1					✓			pH=1
B00B53	MW-14	11/27/90	1310	liquid	1						✓		
B00B53	MW-14	11/27/90	1311	liquid	1	~	~	~	~	~	~	→	TOC
B00B53	MW-14	11/27/90	1306	liquid	1	~	~	~	~	~	~	→	QUONY TDS pH/Alkalinity/Conduct.
B00B53	MW-14	11/27/90	1304	liquid	1	~	~	~	~	~	~	→	Total Metals pH=1
B00B53	MW-14	11/27/90	1330	liquid	4								CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/27/90 Time 1630 Received By [signature] Date 11/27/90 Time 1630
2. Relinquished By [signature] Date 11/28/90 Time 0955 Received By [signature] Date 11/28/90 Time 0955 JW 11/28/90
3. Relinquished By [signature] Date 11/28/90 Time 1000 Received By Date Time
4. Relinquished By Date Time Received By Date Time

WHC-MR- 0299

A19

9 2 1 2 6 5 9 1 5 6 8

1 of 8

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL# 2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Analysis and Container: Total Phenolic Compounds						Comments
R00B54	MW-14	11/27/90	1335	liquid	1	✓							Filtered pH=1
R00DH1	MW-14	11/27/90	—	liquid	2		✓						sm. air bubble in 1 of 2 < 1/4"

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By: [signature]	Date: 11/27/90	Time: 1638	Received By: [signature]	Date: 11/27/90	Time: 1630		
2. Relinquished By: [signature]	Date: 11/28/90	Time: 0956	Received By: [signature]	Date: 11/28/90	Time: 0955		
3. Relinquished By: [signature]	Date: 11/28/90	Time: 1000	Received By:	Date:	Time:		
4. Relinquished By:	Date:	Time:	Received By:	Date:	Time:		

WHC-MR- 0290

A20

9 2 1 2 6 9 1 5 6 9

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL# 2797

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CP Volatiles	SO4	NO3/NO2	Cyanide	COD/Aromatic	TOX	Comments
10	B00B57	MW-15	11/27/90		liquid	5	✓						
10	B00B57	MW-15	11/27/90		liquid	1		✓					
10	B00B57	MW-15	11/27/90		liquid	1			✓				pH=1
10	B00B57	MW-15	11/27/90		liquid	1				✓			pH=12
10	B00B57	MW-15	11/27/90		liquid	1					✓		pH=1
10	B00B57	MW-15	11/27/90		liquid	1						✓	
10	B00B57	MW-15	11/27/90		liquid	1	—	—	—	—	—	—	→ TOC
10	B00B57	MW-15	11/27/90		liquid	1							Anions, TDS, pH Alkalinity, Conductivity
10	B00B57	MW-15	11/27/90		liquid	1	—	—	—	—	—	—	→ Total Metals
10	B00B57	MW-15	11/27/90		liquid	4							CP-VOA pH=1

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/27/90	Time 1630	Received By	[signature]	Date 11/27/90	Time 1630
2. Relinquished By	[signature]	Date 11/28/90	Time 0955	Received By	[signature]	Date 11/28/90	Time 0955
3. Relinquished By	[signature]	Date 11/28/90	Time 1000	Received By		Date	Time
4. Relinquished By	[signature]	Date 11/29/90	Time 1000	Received By	[signature]	Date 11/29/90	Time 1000

WHC-MR-0299

A21

9 2 1 2 6 3 9 1 5 7 0

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2797

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Dissolved Metals	Trip Blank					Comments
11	B00B58	MW-15	11/27/90		liquid	1	✓						Filtered pH=1
12	B00DH2	MW-15	11/27/90		liquid	2		✓					very sm. air bubbles in 2 of 2 containers
	~~B00EV5~~	JUW 11/27/90											

Analysis and Container

Special Instructions: Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.R. Vinson	Date 11/27/90	Time 1630	Received By	D.D. Walker	Date 11/27/90	Time 1630
2. Relinquished By	D.D. Walker	Date 11/28/90	Time 0956	Received By	J.R. Vinson	Date 11/28/90	Time 0956
3. Relinquished By	J.R. Vinson	Date 11/28/90	Time 1000	Received By		Date	Time
4. Relinquished By	Airborne Express	Date 11/29/90	Time 10:00 a.m.	Received By	Regina Crook/PNEL	Date 11/29/90	Time 10:00 a.m.

MWCMR-0290

A22

9 2 1 2 6 9 1 5 7 1

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semivol	SO4	NO3/NO2	Cyanide	COD/Amonia	TOX	Comments
01	B00D27	MW-10	11/28/90	0946	liquid	5	✓						1 bottle broke
01	B00D27	MW-10	11/28/90	0932	liquid	1		✓					
01	B00D27	MW-10	11/28/90	0932	liquid	1			pH=1				
01	B00D27	MW-10	11/28/90	0918	liquid	1				✓ pH=12			
01	B00D27	MW-10	11/22/90	0920	liquid	1					✓ pH=1		
01	B00D27	MW-10	11/28/90	0924	liquid	1						✓ pH=1	
01	B00D27	MW-10	11/28/90	0921	liquid	1	—	—	—	—	—	—	→ TOC pH=1 11/30 RC
01	B00D27	MW-10	11/28/90	0918	liquid	1	—	—	—	—	—	→	anions, TOC, pH, alkalinity, Conduct.
01	B00D27	MW-10	11/28/90	0917	liquid	1	—	—	—	—	—	→	Total Metals pH=1
01	B00D27	MW-10	11/28/90	0950	liquid	4	—	—	—	—	—	→	CLP VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/28/90	Time 1550	Received By	K D Walker	Date 11/28/90	Time 1550
2. Relinquished By	K D Walker	Date 11/29/90	Time 0729	Received By	[signature]	Date 11/29/90	Time 0729
3. Relinquished By	[signature]	Date 11/29/90	Time 1000	Received By		Date	Time
4. Relinquished By	Airborne Express	Date 11/30/90	Time 10 10 a.m.	Received By	Regina Cook/PNEL	Date 11/30/90	Time 10 10 am

A23

9 2 1 2 6 5 9 1 5 7 2

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEC # 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Cu-von	Trip Blank	Dissolved Metals				Comments
92	B00DH4	MW-10	11/28/90	—	liquid	2	✓						2 of 2 < 1/4'
93	B00D28	MW-10	11/28/90	1002	liquid	1		Vpt					Filtered

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/28/90	Time 1550	Received By	R D Walker	Date 11/28/90	Time 1550
2. Relinquished By	R D Walker	Date 11/29/90	Time 0729	Received By	J R Wagner	Date 11/29/90	Time 0729
3. Relinquished By	J R Wagner	Date 11/29/90	Time 1000	Received By		Date	Time
4. Relinquished By	Airborne Express	Date 11/30/90	Time 10 10 a.m.	Received By	Regina Cook/PNEC	Date 11/30/90	Time 10 10 a.m.

WHC-MR- 0299

A24

92126 91573

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	Cyanide	COD/Ammonia	TOX	Comments
04	B00D31	MW-10	11/28/90	0946	liquid	5	✓						
04	B00D31	MW-10	11/28/90	0933	liquid	1		✓					
04	B00D31	MW-10	11/28/90	0920	liquid	1			✓ pH=1				
04	B00D31	MW-10	11/28/90	0919	liquid	1				pH=12 ✓			
04	B00D31	MW-10	11/28/90	0920	liquid	1					pH=1 ✓		
04	B00D31	MW-10	11/28/90	0922	liquid	1						✓ pH=1	
04	B00D31	MW-10	11/28/90	0922	liquid	1						→	TOC pH=1
04	B00D31	MW-10	11/28/90	0912	liquid	1						→	Anions, TDS, pH, Alkalinity, Conductivity
04	B00D31	MW-10	11/28/90	0919	liquid	1						→	Total Metals pH=1
04	B00D31	MW-10	11/28/90	0953	liquid	4						→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/28/90	Time 1550	Received By	[signature]	Date 11/28/90	Time 1550
2. Relinquished By	[signature]	Date 11/29/90	Time 0727	Received By	[signature]	Date 11/29/90	Time 0727
3. Relinquished By	[signature]	Date 11/29/90	Time 1000	Received By		Date	Time
4. Relinquished By	Airborne Express	Date 11/30/90	Time 1010	Received By	Regina Cox PNEL	Date 11/30/90	Time 1010

MHI-MR-0259

A25

9 2 1 2 6 5 9 1 5 7 4

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL #2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: CLP-VOA	Analysis and Container: TPH Blank	Analysis and Container: Dissolved Metals					Comments
15	B00DH 6	MW-10	11/28/90	—	liquid	2	X							16.2 < 1/41
16	B00D32	MW-10	11/28/90	1006	liquid	1			X					Filtered

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/28/90	Time 1550	Received By	[signature]	Date 11/28/90	Time 1550
2. Relinquished By	[signature]	Date 11/29/90	Time 0750	Received By	[signature]	Date 11/29/90	Time 0750
3. Relinquished By	[signature]	Date 11/29/90	Time 1000	Received By		Date	Time
4. Relinquished By	[signature]	Date 11/30/90	Time 1010	Received By	[signature]	Date 11/30/90	Time 1010

MW-10

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A26

9 2 1 2 6 9 1 5 7 5

NATIO PRESS LATORY

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: FNEC 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
07	B00D35	MW-11	11/28/90	1207	liquid	5	✓						
07	B00D35	MW-11	11/28/90	1141	liquid	1		✓					
07	B00D35	MW-11	11/28/90	1140	liquid	1			✓ pH=1				
07	B00D35	MW-11	11/28/90	1139	liquid	1				✓ pH=12			
07	B00D35	MW-11	11/28/90	1146	liquid	1					✓ pH=1		
07	B00D35	MW-11	11/28/90	1142	liquid	1						✓ pH=1	
07	B00D35	MW-11	11/28/90	1140	liquid	1	~	~	~	~	~	→	COD/Ammonia pH=1
07	B00D35	MW-11	11/28/90	1135	liquid	1	~	~	~	~	~	→	Ammonia, TDS, pH Alkalinity, Conductivity
07	B00D35	MW-11	11/28/90	1138	liquid	1	~	~	~	~	~	→	Total Metals pH=1
07	B00D35	MW-11	11/28/90	1211	liquid	4	~	~	~	~	~	→	CLP VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/28/90	Time 1550	Received By	[signature]	Date 11/28/90	Time 1550
2. Relinquished By	[signature]	Date 11/29/90	Time 0727	Received By	[signature]	Date 11/29/90	Time 0727
3. Relinquished By	[signature]	Date 11/29/90	Time 0727	Received By		Date	Time
4. Relinquished By	Airborne Exp	Date 11/30/90	Time 10:10	Received By	Lynn Cook/FNE	Date 11/30/90	Time 10:10

WHC-MR- 0299

A27

9 2 1 2 6 5 9 1 5 7 6

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PUEC# 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Cup-VOA	Trip Blank				Comments
08	B00D36	MW-11	11/28/90	1257	liquid	1	pH=✓						Filtered
09	B00DH5	MW-11	11/28/90	—	liquid	2		✓					1 of 2 < 1/4"

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J. Gurany	Date 11/28/90	Time 1550	Received By	K. Walker	Date 11/28/90	Time 1550
2. Relinquished By	K. Walker	Date 11/29/90	Time 0728	Received By	J.N. Gurany	Date 11/29/90	Time 0728
3. Relinquished By	J.N. Gurany	Date 11/29/90	Time 1000	Received By		Date	Time
4. Relinquished By	Kitsap Exp	Date 11/30/90	Time 10:10	Received By	Regina Cook/PUEC	Date 11/30/90	Time 1010

WAP NO. 0650

428

9 2 1 2 6 1 5 7 7

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO2/NO3	TOX	TOC	Cyanide	Comments
10	B00D42	S32-E13A	11/28/90	1420	liquid	5	✓						
10	B00D42	S32-E13A	11/28/90	1427	liquid	1		✓					
10	B00D42	S32-E13A	11/28/90	1432	liquid	1			✓ pH=1				
10	B00D42	S32-E13A	11/28/90	1431	liquid	1				✓ pH=1			
10	B00D42	S32-E13A	11/28/90	1432	liquid	1					✓ pH=1		
10	B00D42	S32-E13A	11/28/90	1426	liquid	1						pH=12	
10	B00D42	S32-E13A	11/28/90	1428	liquid	1	—	—	—	—	—	→	COD-Ammonia pH=1
10	B00D42	S32-E13A	11/28/90	1425	liquid	1	—	—	—	—	—	→	Ammonia TOX, pH, Alkalinity, Conduct.
10	B00D42	S32-E13A	11/28/90	1426	liquid	1	—	—	—	—	—	→	Total Metals pH:
10	B00D42	S32-E13A	11/28/90	1435	liquid	4	—	—	—	—	—	—	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/28/90 Time 1550 Received By [signature] Date 11/28/90 Time 1550
2. Relinquished By [signature] Date 11/29/90 Time 0725 Received By [signature] Date 11/29/90 Time 0725
3. Relinquished By [signature] Date 11/29/90 Time 1000 Received By Date Time
4. Relinquished By [signature] Date 11/30/90 Time 1010 Received By Regina Cook Date 11/30/90 Time 10 am

WHC-MR- 0299

429

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NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 3808

Laboratory Contact:

Send Lab Report To: Ken Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals (pH=1)	Analysis and Container: Cr(VI) + Tripblank					Comments
11	B00H43	S32-E13A	11/28/90	1436	liquid	1	✓						Filtered
12	B00DH7	S32-E13A	11/28/90	—	liquid	2		✓					1 of 2 <1/4'

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/28/90 Time 1550 Received By [signature] Date 11/28/90 Time 1550
2. Relinquished By [signature] Date 11/29/90 Time 0725 Received By [signature] Date 11/29/90 Time 0725
3. Relinquished By [signature] Date 11/29/90 Time 1000 Received By Date Time
4. Relinquished By [signature] Date 11/30/90 Time 1010 Received By [signature] Date 11/30/90 Time [illegible]

WHC-MR- 0299

A30

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NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

WEC# 2803

Laboratory Contact:

Send Lab Report To: Kait Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Organics	Total Metals	SO4	NO3/NO2	TOC	TOX	Comments
13	B00DG0	TRIP Blank	11/28/90	—	liquid	2	✓						
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1		pH=1 ✓					
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1			✓				
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1				✓ pH=1			
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1					✓ pH=1		
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1						✓ pH=1	
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1						→	Cyanide pH=12
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1						→	Andy TDS Alk, Cond, pH
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1						→	Diss Metals pH=1
13	B00DG0	TRIP Blank	11/28/90	—	liquid	1						→	COD/Amonia pH=1

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/27/90	Time 1000	Received By		Date	Time
2. Relinquished By	[signature]	Date 11/30/90	Time 1010	Received By	Regina Cook/WEC	Date 11/30/90	Time 1010
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

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A31

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NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2803

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: CLP VOA						Comments
13 B00DG0	Trip Blank	11/28/90	—	Liquid	4	✓						

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 11/29/90	Time 1000	Received By		Date	Time
2. Relinquished By	Airborne Exp	Date 11/30/90	Time 10 10	Received By	Regina Cook/PNEL	Date 11/30/90	Time 10 10
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

A32

9 2 1 2 6 0 1 5 8 1

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

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CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: Cooler 39

Client Name: Golder Associates

Client Number:

Bill To:

Date Report Required: KENT ANGELOV

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.:

PNEL # 2807

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-SOW VOL.	SOW	NO3/NO2	Cyanide	TOX	TOC	Comments
01	B00DG2	S38-E12A	11/29/90	1501	liquid	5	✓						
01	B00DG2	S38-E12A	11/29/90	1505	liquid	1		✓					
01	B00DG2	S38-E12A	11/29/90	1505	liquid	1			✓ pH=1				
01	B00DG2	S38-E12A	11/29/90	1457	liquid	1				✓ pH=12			
01	B00DG2	S38-E12A	11/29/90	1507	liquid	1					✓ pH=1		
01	B00DG2	S38-E12A	11/29/90	1508	liquid	1						pH=1	
01	B00DG2	S38-E12A	11/29/90	1457	liquid	1						→	anions, TOX, pH, Cond, Alk. pH=1
01	B00DG2	S38-E12A	11/29/90	1504	liquid	1						→	COD/Ammonia
01	B00DG2	S38-E12A	11/29/90	1458	liquid	1						→	Total Metals pH
01	B00DG2	S38-E12A	11/29/90	1512	liquid	4						→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 11/29/90	Time 1635	Received By	L D Walker	Date 11/29/90	Time 1635
2. Relinquished By	L D Walker	Date 11/30/90	Time 1015	Received By	[signature]	Date 11/30/90	Time 1015
3. Relinquished By	[signature]	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 1:00 pm	Received By	Regina Cooks/PNEL	Date 12/01/90	Time 13:00

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

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CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact PNEL 2807

Send Lab Report To Kent Angelos Cooler 39

Client Name Golder Associates

Client Number

Bill To

Date Report Required

Client Contact

Client Contact Phone

PO No.

Carrier No.

PNEL# 2807

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved metals CLP-like						Comments
02	B00P63	S38-E12A	11/29/90	1517	liquid		pH ✓						Filtered
03	B00DJ2	S38-E12A	11/29/90		liquid	2		✓					Trip Blank 2 of 2 ✓

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.H.V. Warner	Date 11/29/90	Time 1635	Received By	R.D. Walker	Date 11/29/90	Time 1635
2. Relinquished By	R.D. Walker	Date 11/30/90	Time 1015	Received By	J.H.V. Warner	Date 11/30/90	Time 1015
3. Relinquished By	J.H.V. Warner	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed-Exp	Date 12/01/90	Time 1300	Received By	Regina Cook/PNEL	Date 12/01/90	Time 1300

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2807

Laboratory Contact: PNEL 2807

Send Lab Report To: Kent Angelo

Cooler 35

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semi Vol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
04	B00D46	S31-EB	11/29/90	1424	liquid	5	✓						on Cooler Packet collected 11/28/90
04	B00D46	S31-EB	11/29/90	1429	liquid	1		✓					
04	B00D46	S31-EB	11/29/90	1435	liquid	1			pH=1				
04	B00D46	S31-EB	11/29/90	1428	liquid	1				pH=12			
04	B00D46	S31-EB	11/29/90	1434	liquid	1					pH=1		
04	B00D46	S31-EB	11/29/90	1433	liquid	1						pH=1	
04	B00D46	S31-EB	11/29/90	1430	liquid	1							COD/Ammonia pH=1
04	B00D46	S31-EB	11/29/90	1427	liquid	1							Cyanide/TDS/pH=1 Alkalinity/Cond
04	B00D46	S31-EB	11/29/90	1429	liquid	1							Total Metals pH
04	B00D46	S31-EB	11/29/90	1435	liquid	4							CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 11/29/90 Time 1635 Received By [signature] Date 11/29/90 Time 1635
2. Relinquished By [signature] Date 11/30/90 Time 1015 Received By [signature] Date 11/30/90 Time 1015
3. Relinquished By [signature] Date 11/30/90 Time 1200 Received By Date Time
4. Relinquished By Fed. Exp Date 12/01/90 Time 13:00 Received By Lynn Cook/PNEL Date 12/01/90 Time 13:00

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: KENT ANGELOS Cooler #35

Client Name: COULDER ASSOCIATES

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.: PNEL # 2807

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-VOA	Dissolved Metals					Comments
05	BOOPH3	S31-E13	11/29/90	—	liquid	2	✓						TripBlank on hold 12/11
06	BOOP47	S31-E13	11/29/90	1440	liquid	1		X n=1					FILTERED

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J. R. Vickerman	Date 11/29/90	Time 1636	Received By	T. P. Walker	Date 11/29/90	Time 1636
2. Relinquished By	T. P. Walker	Date 11/30/90	Time 1015	Received By	J. R. Vickerman	Date 11/30/90	Time 1015
3. Relinquished By	R. J. Wert	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 13[illegible]	Received By	Regina Cook/PNEL	Date 12/01/90	Time 1300

A36

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL #2807

Laboratory Contact: PNEL 2807

Send Lab Report To: Kent Angelos Cooler #3

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP SemiVol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
07	B00D54	S29-E12	11/29/90	1038	liquid	5	✓						
07	B00D54	S29-E12	11/29/90	1039	liquid	1		✓					
07	B00D54	S29-E12	11/29/90	1038	liquid	1			pH=1				
07	B00D54	S29-E12	11/29/90	1036	liquid	1				pH=12			
07	B00D54	S29-E12	11/29/90	1046	liquid	1					pH=1		
07	B00D54	S29-E12	11/29/90	1041	liquid	1						pH=1	
07	B00D54	S29-E12	11/29/90	1039	liquid	1							→ COD/Ammonia pH=1
07	B00D54	S29-E12	11/29/90	1034	liquid	1							→ Anion, TDS, pH, Alkalinity, Cond
07	B00D54	S29-E12	11/29/90	1035	liquid	1							→ Total Metals pH=1
07	B00D54	S29-E12	11/29/90	1043	liquid	4							→ CLP-VOA

Special Instructions: Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.D. Walker	Date 11/29/90	Time 1636	Received By	T.D. Walker	Date 11/29/90	Time 1636
2. Relinquished By	T.D. Walker	Date 11/30/90	Time 1016	Received By	J.D. Walker	Date 11/30/90	Time 1016
3. Relinquished By	J.D. Walker	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 13 00	Received By	Regina Cook/PNEL	Date 12/01/90	Time 13 00

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: Kent Angelos Golder HS

Client Name: Golder Associates

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.:

PNEL #2807

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-VOA	Dissolved Metals					Comments
08	B00D50	S29-E12	11/29/90	—	liquid	2	✓				1 of 2	<1/4'	Trip Blank
09	B00D55	S29-E12	11/29/90	1018	liquid	1		pH<1					Filtered

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J. D. Williams	Date 11/29/90	Time 1636	Received By	J. D. Walker	Date 11/29/90	Time 1636
2. Relinquished By	J. D. Walker	Date 11/30/90	Time 1016	Received By	J. D. Williams	Date 11/30/90	Time 1016
3. Relinquished By	J. D. Williams	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 1300	Received By	Erin Cook/PNEL	Date 12/01/90	Time 1300

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1 of 10

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: Kent Angelos Cooler #5

Client Name: Golder Associates

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.:

PNEL # 2807

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
10	B00D50	S30-15A	11/29/90	1208	liquid	5	✓						
10	B00D50	S30-15A	11/29/90	1213	liquid	1		✓					
10	B00D50	S30-15A	11/29/90	1213	liquid	1			pH=1				
10	B00D50	S30-15A	11/29/90	1206	liquid	1				pH=12			
10	B00D50	S30-15A	11/29/90	1211	liquid	1					✓ pH=1		
10	B00D50	S30-15A	11/29/90	1211	liquid	1						pH=1	
10	B00D50	S30-15A	11/29/90	1206	liquid	1							Known to be pH 11 Alkalinity Cond
10	B00D50	S30-15A	11/29/90	1210	liquid	1							COD/Ammonia pH=1
10	B00D50	S30-15A	11/29/90	1205	liquid	1							Total Metals pH=
10	B00D50	S30-15A	11/29/90	1215	liquid	4							CLP-VOA

Special Instructions: Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By J. W. Wamm Date 11/29/90 Time 1636 Received By L.D. Walker Date 11/29/90 Time 1636
2. Relinquished By L.D. Walker Date 11/30/90 Time 1017 Received By J. W. Wamm Date 11/30/90 Time
3. Relinquished By J. W. Wamm Date 11/30/90 Time 1200 Received By Date Time
4. Relinquished By Fed. Exp. Date 12/01/90 Time 1300 Received By Regina Cook/Fed Exp Date 12/01/90 Time 1300

WHC-MR- 0299

A39

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: KENT ANGELOS Center #5

Client Name: GOLDER ASSOCIATES

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.:

PNEL# 2807

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Dissolved Metals	CLP-VOA					Comments
11	B00D51	S30-15A	11/29/90	1220	liquid	1	pH<2						Filtered
12	B00DH9	S30-15A	11/29/90	—	liquid	2		✓					Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J. V. Wagner	Date 11/29/90	Time 1636	Received By	J. Walker	Date 11/29/90	Time 1636
2. Relinquished By	J. Walker	Date 11/30/90	Time 1017	Received By	J. V. Wagner	Date 11/30/90	Time 1017
3. Relinquished By	J. V. Wagner	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 13:00	Received By	Regina Cook/PNEL	Date 12/01/90	Time 13:00

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: KENT ANGELOS Cooler #9

Client Name: Golder Associates

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.:

PNEL# 2807

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP-Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
13	B00D58	S27-E14	11/29/90	0911 liquid 11/30/90	liquid	5	✓						
13	B00D58	S27-E14	11/29/90	0913	liquid	1		✓					
13	B00D58	S27-E14	11/29/90	0918	liquid	1			pH=1				
13	B00D58	S27-E14	11/29/90	0916	liquid	1				pH=12			
13	B00D58	S27-E14	11/29/90	0914	liquid	1					pH=1		
13	B00D58	S27-E14	11/29/90	0917	liquid	1						pH=1	
13	B00D58	S27-E14	11/29/90	0912	liquid	1	→						COD/Ammonia (Cyanide, TOX, pH) pH
13	B00D58	S27-E14	11/29/90	0911	liquid	1	→						Alkalinity, Cond.
13	B00D58	S27-E14	11/29/90	0910	liquid	1	→						Total Metals pH=1
13	B00D58	S27-E14	11/29/90	0920	liquid	4	→						CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.V. Wagner	Date 11/29/90	Time 1635	Received By	R.L. Walker	Date 11-29-90	Time 1635
2. Relinquished By	R.L. Walker	Date 11/30/90	Time 1015	Received By	John V. Wagner	Date 11/30/90	Time 1015
3. Relinquished By	John V. Wagner	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed Exp.	Date 12/01/90	Time 1300	Received By	Regina Cook/PNEL	Date 12/01/90	Time 1300

WHC-MR-0299

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact: PNEL 2807

Send Lab Report To: Kent Angelos Calif #9

Client Name: Golder Associates

Client Number:

Bill To:

Date Report Required:

Client Contact:

Client Contact Phone:

PO No.:

Carrier No.: PNEL # 2807

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	CLP VOA					Comments
14	R00059	S27-E14	11/29/90	0925	liquid	1	✓						Filtered pH=1
15	R00051	S27-E14	11/29/90	—	liquid	2		✓			10/2	<1/4	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 11/29/90	Time 1635	Received By	[illegible]	Date 11/29/90	Time 1635
2. Relinquished By	[illegible]	Date 11/30/90	Time 1015	Received By	[illegible]	Date 11/30/90	Time 1015
3. Relinquished By	[illegible]	Date 11/30/90	Time 1200	Received By		Date	Time
4. Relinquished By	Fed. Exp.	Date 12/01/90	Time 1300	Received By	[illegible] Cook/PNEL	Date 12/01/90	Time 1300

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semi VOC	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
01	B00D66	699-S38-E12B	12/3/90	1111	liquid	5	✓						
01	B00D66	699-S38-E12B	12/3/90	1052	liquid	1		✓					
01	B00D66	699-S38-E12B	12/3/90	1053	liquid	1			pH=1				
01	B00D66	699-S38-E12B	12/3/90	1050	liquid	1				pH=12			
01	B00D66	699-S38-E12B	12/3/90	1057	liquid	1					pH=1		
01	B00D66	699-S38-E12B	12/3/90	1055	liquid	1						pH=1	
01	B00D66	699-S38-E12B	12/3/90	1050	liquid	1	~	~	~	~	~	→	Chloride, TOC, pH, Alkalinity, Cond
01	B00D66	699-S38-E12B	12/3/90	1051	liquid	1	~	~	~	~	~	→	COD/Ammonia pH
01	B00D66	699-S38-E12B	12/3/90	1050	liquid	1	~	~	~	~	~	→	Total Metals pH
01	B00D66	699-S38-E12B	12/3/90	1115	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

		Date	Time		Date	Time
1. Relinquished By	[signature]	12/3/90	1523	Received By [signature]	12/3/90	1523
2. Relinquished By	[signature]	12/4/90	1233	Received By [signature]	12/4/90	1233
3. Relinquished By	[signature]	12/4/90	1330	Received By		
4. Relinquished By	[signature]	12/05/90	1130	Received By Raymond Cook/PNEL	12/05/90	1130

WHC-MR- 0299

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact

Send Lab Report To Kent Angelos

Client Name

Client Number GOLDER ASSOCIATES

Bill To

Date Report Required

Client Contact

Client Contact Phone

PO No.

Carrier No.

PNEL # 2812

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved metals	Cl-Pesticides					Comments
02	R00D67	699-S38-E12B	12/3/90	1125	liquid	1	pH7						Filtered
03	R00D53	699-S38-E12B	12/4/90	N/A	liquid	2		✓		2 of 2	1/4		Trip Blank

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1522 Received By LD Walker Date 12/3/90 Time 1522
2. Relinquished By LD Walker Date 12/4/90 Time 1233 Received By [signature] Date 12/4/90 Time 1233
3. Relinquished By [signature] Date 12/4/90 Time 1330 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 1130 Received By Janine Cook/PNEL Date 12/5/90 Time 1130

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9 2 1 2 6 9 1 5 9 3

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name

Client Number GOLDER ASSOCIATES

Bill To

PO No.

Carrier No. PNEL # 2812

Laboratory Contact

Send Lab Report To KENT ANGELOS

Date Report Required

Client Contact

Client Contact Phone

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Dissolved Metals	CLP-VOA					Comments
05	B00D71	699-S38-E12B	12/3/90	1124	liquid	1	pH<1						FILTERED
06	B00DJ4	699-S38-E12B	12/3/90	N/A	liquid	2		✓		1 of 2	<1/4'		TRIP BLANK

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1521 Received By [signature] Date 12/3/90 Time 1521
2. Relinquished By [signature] Date 12/4/90 Time 1231 Received By [signature] Date 12/4/90 Time 1231
3. Relinquished By [signature] Date 12/4/90 Time 1330 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 1130 Received By Paine Cook/PNEL Date 12/05/90 Time 1130

WHC-MR- 0299

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

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CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PUEL #28/2

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Control	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
04	B00D70	699-S38-E12B	12/3/90	1112	liquid	5	✓						
04	B00D70	699-S38-E12B	12/3/90	1052	liquid	1		✓					
04	B00D70	699-S38-E12B	12/3/90	1053	liquid	1			pH=1				
04	B00D70	699-S38-E12B	12/3/90	1056	liquid	1				pH=12			
04	B00D70	699-S38-E12B	12/3/90	1056	liquid	1					pH=1		
04	B00D70	699-S38-E12B	12/3/90	1055	liquid	1						pH=1	
04	B00D70	699-S38-E12B	12/3/90	1050	liquid	1	~	~	~	~	~	→	anions, TDS, pH, Alkalinity, COND
04	B00D70	699-S38-E12B	12/3/90	1051	liquid	1	~	~	~	~	~	→	COD/Ammonia pH=
04	B00D70	699-S38-E12B	12/3/90	1048	liquid	1	~	~	~	~	~	→	Total Metals pH=
04	B00D70	699-S38-E12B	12/3/90	1117	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1521 Received By [signature] Date 12/3/90 Time 1521
2. Relinquished By [signature] Date 12/4/90 Time 1231 Received By [signature] Date 12/4/90 Time 1231
3. Relinquished By [signature] Date 12/4/90 Time 1330 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 11[illegible] Received By [signature] Date 12/05/90 Time 11.30

WHC-MR- 0299

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL #2812

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
07	B00D74	699-S37-E11	12/3/90	1402	liquid	5	✓						
07	B00D74	699-S37-E11	12/3/90	1355	liquid	1		✓					
07	B00D74	699-S37-E11	12/3/90	1356	liquid	1			pH=1				
07	B00D74	699-S37-E11	12/3/90	1353	liquid	1				pH=12			
07	B00D74	699-S37-E11	12/3/90	1357	liquid	1					pH=1	pH=1	
07	B00D74	699-S37-E11	12/3/90	1757	liquid	1						✓	
07	B00D74	699-S37-E11	12/3/90	1359	liquid	1						→	anions, TOS, pH Alkalinity, Cond
07	B00D74	699-S37-E11	12/3/90	1355	liquid	1						→	COD/Ammonia pH
07	B00D74	699-S37-E11	12/3/90	1354	liquid	1						→	Total Metals pH
07	B00D74	699-S37-E11	12/3/90	1407	liquid	4						→	CLP-VOA

Analysis and Container

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.N. Hamm	Date 12/3/90	Time 1520	Received By	J.D. Walker	Date 12/3/90	Time 1520
2. Relinquished By	J.D. Walker	Date 12/4/90	Time 1230	Received By	J.N. Hamm	Date 12/4/90	Time 1230
3. Relinquished By	J.N. Hamm	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	Nicholas Eng	Date 12/05/90	Time 1130	Received By	Fiona Cook/PNEL	Date 12/05/90	Time 11:30

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL# 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Analysis and Container: CLP VOA					Comments
08	B00D75	699-S37-E11	12/3/90	1412	liquid	1	pH=1						Filtered
09	B00DJ5	699-S37-E11	12/3/90	N/A	liquid	2		L					Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1520 Received By [signature] Date 12/3/90 Time 1520
2. Relinquished By [signature] Date 12/4/90 Time 1230 Received By [signature] Date 12/4/90 Time 1230
3. Relinquished By [signature] Date 12/4/90 Time 1230 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 11:3[illegible] Received By [signature] Date 12/05/90 Time [illegible]

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2812

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
10	B00D78	699-S34-E10	12/3/90	0858	liquid	5	✓						
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1		✓					
10	B00D78	699-S34-E10	12/3/90	0844	liquid	1			pH=1				
10	B00D78	699-S34-E10	12/3/90	0840	liquid	1				pH=12			
10	B00D78	699-S34-E10	12/3/90	0845	liquid	1					pH=1		
10	B00D78	699-S34-E10	12/3/90	0845	liquid	1							1 bottle broken
10	B00D78	699-S34-E10	12/3/90	0842	liquid	1	~	~	~	~	~	→	Anions, TOH, pH, Alkalinity, Cond.
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1	~	~	~	~	~	→	COD/Ammonia pH=1
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1	~	~	~	~	~	→	Total Metals pH=1
10	B00D78	699-S34-E10	12/3/90	0902	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/3/90	Time 1522	Received By	L D Walker	Date 12/3/90	Time 1522
2. Relinquished By	L D Walker	Date 12/4/90	Time 1233	Received By	[signature]	Date 12/4/90	Time 1233
3. Relinquished By	[signature]	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	[signature]	Date 12/05/90	Time 1130	Received By	Reina Cook/PNEL	Date 12/05/90	Time 1130

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PDEL # 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	DISSOLVED METALS	CLP-VOA					Comments
11	B00D79	699-S34-E10	12/3/90	0911	liquid	1	pH=1						Filtered
12	B00J6	699-S34-E10	12/3/90	N/A	liquid	2		✓			1 of 2	2/4	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	D.V. Wagner	Date 12/3/90	Time 1522	Received By	L.D. Walker	Date 12/3/90	Time 1522
2. Relinquished By	L.D. Walker	Date 12/4/90	Time 1232	Received By	D.V. Wagner	Date 12/4/90	Time 1232
3. Relinquished By	D.V. Wagner	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	Akiko Ito	Date 12/05/90	Time 1130	Received By	Regina Cook/PNEL	Date 12/05/90	Time 1130

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 3812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
13	B00D82	699-S38-E11	12/3/90	1256	liquid	5	✓						
13	B00D82	699-S38-E11	12/3/90	1237	liquid	1		✓					
13	B00D82	699-S38-E11	12/3/90	1238	liquid	1			pH=1				
13	B00D82	699-S38-E11	12/3/90	1236	liquid	1				pH=12			
13	B00D82	699-S38-E11	12/3/90	1239	liquid	1					pH=1		
13	B00D82	699-S38-E11	12/3/90	1235	liquid	1						→	anions, TDS, pH, Alkalinity, Cond
13	B00D82	699-S38-E11	12/3/90	1237	liquid	1						→	COD/Amonia pH=1
13	B00D82	699-S38-E11	12/3/90	1236	liquid	1						→	Total Metals pH=1
13	B00D82	699-S38-E11	12/3/90	1253	liquid	4						→	CLP-VOA
13	B00D82	699-S38-E11	12/3/90	1239	liquid	1					→	pH=1	TOC

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1521 Received By [signature] Date 12/3/90 Time 1521
2. Relinquished By [signature] Date 12/4/90 Time 1231 Received By [signature] Date 12/4/90 Time 1231
3. Relinquished By [signature] Date 12/4/90 Time 1230 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 1130 Received By [signature] Date 12/05/90 Time 1130

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved metals	Analysis and Container: CLP VOA					Comments
14	B00D83	699-S38-E11	12/3/90	1300	liquid	1	pint						Filtered
15	B00D57	699-S38-E17	12/3/90	N/A	liquid	1		✓			1 of 2	1/4	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.R. Wyatt	Date 12/3/90	Time 1521	Received By	L.D. Walker	Date 12/3/90	Time 1521
2. Relinquished By	L.D. Walker	Date 12/4/90	Time 1230	Received By	J.R. Wyatt	Date 12/4/90	Time 1230
3. Relinquished By	J.R. Wyatt	Date 12/4/90	Time 1331	Received By		Date	Time
4. Relinquished By	[illegible]	Date 12/5/90	Time 1130	Received By	Regina Cook/PNEL	Date 12/5/90	Time 1130

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semi vol	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
01	B00DF5	EQUIPMENT BLANK	12/4/90	1306	liquid	5	✓						
01	B00DF5	EQUIPMENT BLANK	12/4/90	1317	liquid	1		✓					
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1			pH=1				
01	B00DF5	EQUIPMENT BLANK	12/4/90	1309	liquid	1				pH=12			
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1					pH=1		
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1						pH=1	
01	B00DF5	EQUIPMENT BLANK	12/4/90	1303	liquid	1	—	—	—	—	—	→	Anions, TOS, pH Alkalinity Cond
01	B00DF5	EQUIPMENT BLANK	12/4/90	1314	liquid	1	—	—	—	—	—	→	COD/Amonia pH=
01	B00DF5	EQUIPMENT BLANK	12/4/90	1303	liquid	1	—	—	—	—	—	→	TOTAL METALS pH
01	B00DF5	EQUIPMENT BLANK	12/4/90	1319	liquid	4	—	—	—	—	—	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

	Relinquished By	Date	Time	Received By	Date	Time
1.	[illegible]	12/5/90	1200			
2.	Antoinette Eiff	12/6/90	930	Regina Cook/PNEL	12/6/90	930
3.						
4.						

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

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CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact

Send Lab Report To KAT ANGELOS

Client Name GOLDER ASSOCIATES

Client Number

Bill To

Date Report Required

Client Contact

Client Contact Phone

PO No.

Carrier No.

PNEL # 2818

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Dissolved Metals	CLP-VOA					Comments
02	B00DF6	EQUIPMENT BLANK	12/14/90	—	liquid	1	pH<2						Filtered
03	B00DK1	—	12/14/90	—	liquid	2		✓		10/24	1/4'		Trip BLANK
		NOTE: Prepared		JUST	PRIOR	TO	COLLECTIVE			SAMPLES			
				AT	S37-	E14.							

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 12/5/90	Time 1200	Received By		Date	Time
2. Relinquished By	Airborne Exp	Date 12/06/90	Time 9:30	Received By	[illegible] Cook/PNEL	Date 12/6/90	Time 9:30
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

ASH-MR-0299

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2818

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Service	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
04	B00D89	S37-E14	12/4/90	1414	liquid	5	✓						
04	B00D89	S37-E14	12/4/90	1408	liquid	1		✓					
04	B00D89	S37-E14	12/4/90	1407	liquid	1			pH-1				
04	B00D89	S37-E14	12/4/90	1406	liquid	1				pH-12			
04	B00D89	S37-E14	12/4/90	1408	liquid	1					pH-2		
04	B00D89	S37-E14	12/4/90	1403	liquid	1						pH-2	
04	B00D89	S37-E14	12/4/90	1405	liquid	1						→	Anions, TDS, pH, Alk, Cond.
04	B00D89	S37-E14	12/4/90	1409	liquid	2						→	Cool Atomic pH
04	B00D89	S37-E14	12/4/90	1406	liquid	1						→	TOTAL METALS
04	B00D89	S37-E14	12/4/90	1420	liquid	4						→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/4/90	Time 1517	Received By	[signature]	Date 12/4/90	Time 1517
2. Relinquished By	[signature]	Date 12/5/90	Time 1105	Received By	[signature]	Date 12/5/90	Time 1105
3. Relinquished By	[signature]	Date 12/5/90	Time 1200	Received By		Date	Time
4. Relinquished By	[signature]	Date 12/06/90	Time 930	Received By	Regina Cook / PNEL	Date 12/6/90	Time 930

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12/5 1105

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9 2 1 2 6 5 9 1 6 0 4

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PDEL # 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Cup-Vol					Comments
05	B00D90	S37-E14	12/4/90	1423	liquid	1	MET						Filtered
06	D00DJ8	S37-E14	12/4/90	N/A	liquid	2		✓		1 of 2 ✓/41			Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 12/4/90	Time 1517	Received By	[illegible]	Date 12/4/90	Time 1517
2. Relinquished By	[illegible]	Date 12/5/90	Time 1105	Received By	[illegible]	Date 12/5/90	Time 1105
3. Relinquished By	[illegible]	Date 12/5/90	Time 1200	Received By		Date	Time
4. Relinquished By	[illegible]	Date 12/06/90	Time 930	Received By	[illegible]	Date 12/06/90	Time 930

A56

92126 91605

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP SEMI VOL	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
07	B00DG4	EQUIPMENT BLANK	12/4/90	1237	liquid	5	✓						
07	B00DG4	EQUIPMENT BLANK	12/4/90	1247	liquid	1		✓					
07	B00DG4	EQUIPMENT BLANK	12/4/90	1247	liquid	1			pH=1				
07	B00DG4	EQUIPMENT BLANK	12/4/90	1240	liquid	1				pH=12			
07	B00DG4	EQUIPMENT BLANK	12/4/90	1245	liquid	1					pH=1		
07	B00DG4	EQUIPMENT BLANK	12/4/90	1246	liquid	1						pH=1	
07	B00DG4	EQUIPMENT BLANK	12/4/90	1241	liquid	1	~	~	~	~	~	→	AMMONIA, TDS, pH NH4, COND
07	B00DG4	EQUIPMENT BLANK	12/4/90	1242	liquid	1	~	~	~	~	~	→	COD/AMMONIA pH
07	B00DG4	EQUIPMENT BLANK	12/4/90	1234	liquid	1	~	~	~	~	~	→	TOTAL METALS pH
07	B00DG4	EQUIPMENT BLANK	12/4/90	1248	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☑ Yes ☐ What Kind? What Analysis?

1. Relinquished By [illegible] Date 12/5/90 Time 1201 Received By Date Time
2. Relinquished By Airborne Exp. Date 12/06/90 Time 930 Received By Regina Cook/PNEL Date 12/06/90 Time 9:30
3. Relinquished By Date Time Received By Date Time
4. Relinquished By Date Time Received By Date Time

WHC-MR- 0299

A57

9 2 1 2 6 5 9 1 6 0 6

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	CLP-VOA					Comments
08	D00D65	EQUIPMENT BLANK	12/4/90	1252	liquid	1	✓	1					FILTERED
09	D00D60	EQUIPMENT BLANK	12/4/90	N/A	liquid	2		✓					TRIP BLANK

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 12/5/90	Time 1200	Received By		Date	Time
2. Relinquished By	[illegible]	Date 12/06/90	Time 930	Received By	Lynne Cook/PNEL	Date 12/06/90	Time 930
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

A58

92126 91607

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2822

Laboratory Contact:

Send Lab Report To: KAY ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

WHC-MR- 0299

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Arsenic	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	15	✓						
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1		✓					
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1			pH=1				
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1				pH=12			
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1					pH=1		
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1						pH=1	
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	ANIONS + TOTAL ALK., COND
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	COD/Ammonia pH
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	TOTAL Metals pH
1/✓	B00DK3	HANFORD	12/6/90	–	liquid	4	—	—	—	—	—	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/6/90	Time 1824	Received By	[signature]	Date 12/6/90	Time 1824
2. Relinquished By	[signature]	Date 12/7/90	Time 1012	Received By	[signature]	Date 12/7/90	Time 1012
3. Relinquished By	[signature]	Date 12/7/90	Time 1050	Received By	[signature]	Date 12/7/90	Time 1050
4. Relinquished By	[signature]	Date 12/7/90	Time	Received By	[signature]	Date 12/07/90	Time 1510

A57

9 2 1 2 6 5 9 1 6 0 8

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact

Send Lab Report To KENT ANGELO

Client Name

Client Number COLDER

Bill To

Date Report Required

Client Contact

Client Contact Phone

PO No.

Carrier No. PNEL # 2822

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals						Comments
12 BOOBK4	HANFORD	12/6/90	—	liquid	1	pH-1						

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By		Date 12/6/90	Time 1824	Received By		Date 12/6/90	Time 1824
2. Relinquished By		Date 12/7/90	Time 1012	Received By		Date 12/7/90	Time 1012
3. Relinquished By		Date 12/7/90	Time 1050	Received By		Date 12/7/90	Time 1050
4. Relinquished By		Date 12/7/90	Time 151[illegible]	Received By	ANELT	Date 12/07/90	Time 151[illegible]

A60

9 2 1 2 6 9 1 6 0 9 5 of 10

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL #2812

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
07	B00D74	699-S37-E11	12/3/90	1402	liquid	5	✓						
07	B00D74	699-S37-E11	12/3/90	1355	liquid	1		✓					
07	B00D74	699-S37-E11	12/3/90	1356	liquid	1			pH=1				
07	B00D74	699-S37-E11	12/3/90	1353	liquid	1				pH=12			
07	B00D74	699-S37-E11	12/3/90	1357	liquid	1					pH=1	pH=1	
07	B00D74	699-S37-E11	12/3/90	1357	liquid	1						✓	
07	B00D74	699-S37-E11	12/3/90	1354	liquid	1						→	anions, TDS, pH Alkalinity, Cond
07	B00D74	699-S37-E11	12/3/90	1355	liquid	1						→	COD/Ammonia pH
07	B00D74	699-S37-E11	12/3/90	1354	liquid	1						→	Total Metals pH
07	B00D74	699-S37-E11	12/3/90	1407	liquid	4						→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/3/90	Time 1520	Received By	[signature]	Date 12/3/90	Time 1520
2. Relinquished By	[signature]	Date 12/4/90	Time 1230	Received By	[signature]	Date 12/4/90	Time 1230
3. Relinquished By	[signature]	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	[signature]	Date 12/05/90	Time 11:30	Received By	[signature] / PNEL	Date 12/05/90	Time 11:30

WHC-MR- 0299

A61

9 2 1 2 6 5 9 1 6 1 0

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL# 2812

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Analysis and Container: CLP VOA					Comments
08	B00D75	699-S37-E11	12/3/90	1412	liquid	1	pH=1						Filtered
09	B00D35	699-S37-E11	12/3/90	N/A	liquid	2		L					Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J R Wagner	Date 12/3/90	Time 1520	Received By	J B Walker	Date 12/3/90	Time 1520
2. Relinquished By	J B Walker	Date 12/4/90	Time 1230	Received By	J R Wagner	Date 12/4/90	Time 1230
3. Relinquished By	J R Wagner	Date 12/4/90	Time 1230	Received By		Date	Time
4. Relinquished By	Reinaire Cook	Date 12/05/90	Time 11[illegible]	Received By	Reinaire Cook/PNL	Date 12/05/90	Time [illegible]

A62

92126 91611

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2812

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP SemiVOL	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
10	B00D78	699-S34-E10	12/3/90	0858	liquid	5	✓						
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1		✓					
10	B00D78	699-S34-E10	12/3/90	0844	liquid	1			pH=1				
10	B00D78	699-S34-E10	12/3/90	0840	liquid	1				pH=12			
10	B00D78	699-S34-E10	12/3/90	0845	liquid	1					pH=1		
10	B00D78	699-S34-E10	12/3/90	0845	liquid	1							bottle broken
10	B00D78	699-S34-E10	12/3/90	0842	liquid	1	—	—	—	—	—	→	Anions, TOC, pH, Alkalinity Cond.
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1	—	—	—	—	—	→	COD/Ammonia pH=1
10	B00D78	699-S34-E10	12/3/90	0843	liquid	1	—	—	—	—	—	→	Total Metals pH=1
10	B00D78	699-S34-E10	12/3/90	0902	liquid	4	—	—	—	—	—	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.A. Wagner	Date 12/3/90	Time 1522	Received By	L.D. Walker	Date 12/3/90	Time 1522
2. Relinquished By	L.D. Walker	Date 12/4/90	Time 1233	Received By	J.A. Wagner	Date 12/4/90	Time 1233
3. Relinquished By	J.A. Wagner	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	William Ervin	Date 12/5/90	Time 1130	Received By	Brian Cook/PNEL	Date 12/05/90	Time 1130

WHC-MR- 0299

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9 2 1 2 6 5 9 1 6 1 2

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	DISSOLVED METALS	CLP-VOA					Comments
11	R00D79	699-S34-E10	12/3/90	0911	liquid	1	pH=1						Filtered
12	R00D76	699-S34-E10	12/3/90	N/A	liquid	2		✓			1 of 2	2 1/4	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J.R.V. Wagner	Date 12/3/90	Time 1522	Received By	L.D. Walker	Date 12/3/90	Time 1522
2. Relinquished By	L.D. Walker	Date 12/4/90	Time 1232	Received By	J.R.V. Wagner	Date 12/4/90	Time 1232
3. Relinquished By	J.R.V. Wagner	Date 12/4/90	Time 1330	Received By		Date	Time
4. Relinquished By	Rebecca Ford	Date 12/5/90	Time 1130	Received By	Brian Cook/PNEL	Date 12/5/90	Time 1130

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92126 91613

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 3812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semivol	SO4	NO3/NO2	Cyanide	TOX	TOC	Comments
13	B00D82	699-S38-E11	12/3/90	1256	liquid	5	✓						
13	B00D82	699-S38-E11	12/3/90	1237	liquid	1		✓					
13	B00D82	699-S38-E11	12/3/90	1238	liquid	1			pH=1				
13	B00D82	699-S38-E11	12/3/90	1236	liquid	1				pH-12			
13	B00D82	699-S38-E11	12/3/90	1239	liquid	1					pH=1		
13	B00D82	699-S38-E11	12/3/90	1235	liquid	1	~	~	~	~	~	→	anions, TDS, pH, Alkalinity, Cond
13	B00D82	699-S38-E11	12/3/90	1237	liquid	1	~	~	~	~	~	→	COD/Amonia pH=1
13	B00D82	699-S38-E11	12/3/90	1236	liquid	1	~	~	~	~	~	→	Total Metals pH=1
13	B00D82	699-S38-E11	12/3/90	1253	liquid	4	~	~	~	~	~	→	CLP-VOA
13	B00D82	699-S38-E11	12/3/90	1239	liquid	4	~	~	~	~	→	pH=1	TOC

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☑ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/3/90 Time 1521 Received By [signature] Date 12/3/90 Time 1521
2. Relinquished By [signature] Date 12/4/90 Time 1231 Received By [signature] Date 12/4/90 Time 1231
3. Relinquished By [signature] Date 12/4/90 Time 1330 Received By Date Time
4. Relinquished By [signature] Date 12/05/90 Time 1130 Received By [signature] Cook/PNEL Date 12/05/90 Time 1130

WHC-MR-0290

A65

9 2 1 2 6 5 9 1 6 1 4

10 of 10

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2812

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved metals	Analysis and Container: Cl-/SO4					Comments
14	B00D83	699-S38-E11	12/3/90	1300	liquid	1	pNA						Filtered
15	B00DJ7	699-S38-E11	12/3/90	N/A	liquid	1		✓			1 of 2	1/4	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	J D Walker	Date 12/3/90	Time 1521	Received By	J D Walker	Date 12/3/90	Time 1521
2. Relinquished By	J D Walker	Date 12/4/90	Time 1230	Received By	J D Walker	Date 12/4/90	Time 1230
3. Relinquished By	J D Walker	Date 12/4/90	Time 1331	Received By		Date	Time
4. Relinquished By	Wilson Exp	Date 12/5/90	Time 1130	Received By	Rosina Cook/PNEL	Date 12/5/90	Time 1130

A06

9 2 1 2 6 9 1 6 1 5

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP Semi VOL	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
01	B00DF5	EQUIPMENT BLANK	12/4/90	1306	liquid	5	✓						
01	B00DF5	EQUIPMENT BLANK	12/4/90	1317	liquid	1		✓					
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1			pH=1				
01	B00DF5	EQUIPMENT BLANK	12/4/90	1309	liquid	1				pH=12			
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1					pH=1		
01	B00DF5	EQUIPMENT BLANK	12/4/90	1315	liquid	1						pH=1	
01	B00DF5	EQUIPMENT BLANK	12/4/90	1303	liquid	1	~	~	~	~	~	→	Anions, TOS, pH Alkalinity Cond
01	B00DF5	EQUIPMENT BLANK	12/4/90	1314	liquid	1	~	~	~	~	~	→	COD/Amonia pH=1
01	B00DF5	EQUIPMENT BLANK	12/4/90	1303	liquid	1	~	~	~	~	~	→	TOTAL METAL pH
01	B00DF5	EQUIPMENT BLANK	12/4/90	1319	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[illegible]	Date 12/5/90	Time 1200	Received By		Date	Time
2. Relinquished By	Melrose Eng	Date 12/6/90	Time 930	Received By	Regina Cook / PNEL	Date 12/6/90	Time 930
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

WHC-MR- 0 2 [illegible]

A67

9 2 1 2 6 5 9 1 6 1 6

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NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2818

Laboratory Contact:

Send Lab Report To: KAT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Analysis and Container

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Dissolved Metals	CLP-VOA					Comments
02	B00DF6	EQUIPMENT BLANK	12/4/90	—	liquid	1	pH<2						Filtered
03	B00DK1	—	12/4/90	—	liquid	2		✓			10/24 1/4'		Trip BLANK
		NOTE: Prepared		JUST	PRIOR	TO	COLLECTING			SAMPLES			
				AT	SB7-E14								

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/5/90	Time 1200	Received By		Date	Time
2. Relinquished By	Airborne Exp	Date 12/06/90	Time 9:30	Received By	[signature] PNEL	Date 12/06/90	Time 9:30
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

WHC-MR-0

A68

92126 91617

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL 2818

Laboratory Contact:

Send Lab Report To: Kent Angelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP SEMIVOL	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
04	B00D89	S37-E14	12/4/90	1414	liquid	5	✓						
04	B00D89	S37-E14	12/4/90	1408	liquid	1		✓					
04	B00D89	S37-E14	12/4/90	1407	liquid	1			pH=1				
04	B00D89	S37-E14	12/4/90	1406	liquid	1				pH=12			
04	B00D89	S37-E14	12/4/90	1408	liquid	1					pH=1		
04	B00D89	S37-E14	12/4/90	1403	liquid	1						pH=1	
04	B00D89	S37-E14	12/4/90	1405	liquid	1	→						QUICKSITES pH, ALK, COND.
04	B00D89	S37-E14	12/4/90	1409	liquid	2	→						COD/AMMONIA pH.
04	B00D89	S37-E14	12/4/90	1406	liquid	1	→						TOTAL METALS pH
04	B00D89	S37-E14	12/4/90	1420	liquid	4	→						CLP-VOA 1 of 4

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/4/90 Time 1517 Received By [signature] Date 12/4/90 Time 1517
2. Relinquished By [signature] Date 12/5/90 Time 1105 Received By [signature] Date 12/5/90 Time 1105 1105 12/5
3. Relinquished By [signature] Date 12/5/90 Time 1200 Received By Date Time
4. Relinquished By [signature] Date 12/06/90 Time 930 Received By Regina Cook/PNEL Date 12/6/90 Time 930

WHC-MR- 0299

A69

9 2 1 2 6 5 9 1 6 1 8

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GOLDER Associates

Client Number:

Bill To:

PO No.:

Carrier No.: PDEL # 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Cup-Vol					Comments
05	B00D90	S37-E14	12/4/90	1423	liquid	1	MET						Filtered
06	B00DJ8	S37-E14	12/4/90	N/A	liquid	2		✓		1 of 2	✓	✓	Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	A.J. Warner	Date 12/4/90	Time 1517	Received By	T.D. Walker	Date 12/4/90	Time 1517
2. Relinquished By	T.D. Walker	Date 12/5/90	Time 1105	Received By	A.J. Warner	Date 12/5/90	Time 1105
3. Relinquished By	A.J. Warner	Date 12/5/90	Time 1200	Received By		Date	Time
4. Relinquished By	Rikborse Exp	Date 12/06/90	Time 930	Received By	Lagpier-Cook/PDEL	Date 12/06/90	Time 930

A70

9 2 1 2 6 9 1 6 1 9

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: COLDER ASSOCIATES

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2818

Laboratory Contact:

Send Lab Report To: KENT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	CLP SEMI VOL	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
07 B00DG4	EQUIPMENT BLANK	12/4/90	1237	liquid	5	✓						
07 B00DG4	EQUIPMENT BLANK	12/4/90	1247	liquid	1		✓					
07 B00DG4	EQUIPMENT BLANK	12/4/90	1247	liquid	1			pH=1				
07 B00DG4	EQUIPMENT BLANK	12/4/90	1240	liquid	1				pH=12			
07 B00DG4	EQUIPMENT BLANK	12/4/90	1245	liquid	1					pH=1		
07 B00DG4	EQUIPMENT BLANK	12/4/90	1246	liquid	1						pH=1	
07 B00DG4	EQUIPMENT BLANK	12/4/90	1241	liquid	1	~	~	~	~	~	→	QUIONS, TDS, pH AIR, COND.
07 B00DG4	EQUIPMENT BLANK	12/4/90	1242	liquid	1	~	~	~	~	~	→	COD/AMONIA pH
07 B00DG4	EQUIPMENT BLANK	12/4/90	1234	liquid	1	~	~	~	~	~	→	TOTAL Metals pH
07 B00DG4	EQUIPMENT BLANK	12/4/90	1248	liquid	4	~	~	~	~	~	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☑ Yes ☐ What Kind? What Analysis?

1. Relinquished By [illegible]	Date 12/5/90	Time 1200	Received By	Date	Time
2. Relinquished By Airborne Exp.	Date 12/06/90	Time 930	Received By Regina Cook/PNEL	Date 12/06/90	Time 9:30
3. Relinquished By	Date	Time	Received By	Date	Time
4. Relinquished By	Date	Time	Received By	Date	Time

WHC-MR- 0299

A71

9 2 1 2 6 5 9 1 6 2 0

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: Golder Associates

Client Number:

Bill To:

PO No.:

Carrier No.:

PNEL # 2818

Laboratory Contact:

Send Lab Report To: Kent Augelos

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals	Analysis and Container: CLP-VOA					Comments
08	D00D65	Equipment Blank	12/4/90	1252	liquid	1	✓ pH<1						FILTERED
09	D00D60	Equipment Blank	12/4/90	N/A	liquid	2		✓					Trip Blank

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	Beth Williams	Date 12/5/90	Time 1200	Received By		Date	Time
2. Relinquished By	Melbourne Exp	Date 12/06/90	Time 930	Received By	Regina Cook/PNEL	Date 12/06/90	Time 9:30
3. Relinquished By		Date	Time	Received By		Date	Time
4. Relinquished By		Date	Time	Received By		Date	Time

A72

9 2 1 2 6 9 1 6 2 1

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Client Name: GILDER

Client Number:

Bill To:

PO No.:

Carrier No.: PNEL # 2822

Laboratory Contact:

Send Lab Report To: KAT ANGELOS

Date Report Required:

Client Contact:

Client Contact Phone:

	Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: CLP Semivol	SO4	NO3/NO2	CYANIDE	TOX	TOC	Comments
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	5	✓						
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1		✓					
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1			pH=1				
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1				pH=12			
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1					pH=1		
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1						pH=1	
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	anions+TOTP Alk., COND
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	COD/Ammonia pH
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	1	—	—	—	—	—	→	TOTAL Metals pH
1/✓	BOODK3	HANFORD	12/6/90	–	liquid	4	—	—	—	—	—	→	CLP-VOA

Special Instructions:

Possible Hazards:

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By	[signature]	Date 12/6/90	Time 1824	Received By	[signature]	Date 12/6/90	Time 1824
2. Relinquished By	[signature]	Date 12/7/90	Time 1012	Received By	[signature]	Date 12/7/90	Time 1012
3. Relinquished By	[signature]	Date 12/7/90	Time 1050	Received By	[signature]	Date 12/7/90	Time 1050
4. Relinquished By	[signature]	Date 12/7/90	Time	Received By	[signature]	Date 12/07/90	Time 1510

WHC-MR- 0299

A73

9 2 1 2 6 5 9 1 6 2 2

NATIONAL EXPRESS LABORATORIES, INC.

NATEX

Pacific Northwest Environmental Laboratory, Inc.

CHAIN-OF-CUSTODY / REQUEST FOR ANALYSIS

Laboratory Contact

Send Lab Report To KENT ANGELA

Client Name

Client Number COLDER

Bill To

Date Report Required

Client Contact

Client Contact Phone

PO No.

Carrier No. PNEL #2822

Sample Number	Sample Location and Description	Date Collected	Time Collected	Sample Matrix	Number of Containers	Analysis and Container: Dissolved Metals						Comments
12 BOOBY	HANFORD	12/6/90	—	liquid	1	yes						

Special Instructions

Possible Hazards

Was Preservative Used? No ☐ Yes ☐ What Kind? What Analysis?

1. Relinquished By [signature] Date 12/6/90 Time 1324 Received By [signature] Date 12/6/90 Time 1324
2. Relinquished By [signature] Date 12/7/90 Time 1012 Received By [signature] Date 12/7/90 Time 1012
3. Relinquished By [signature] Date 12/7/90 Time 1050 Received By [signature] Date 12/7/90 Time 1050
4. Relinquished By [signature] Date 12/7/90 Time 1510 Received By [signature] PNEL Date 12/07/90 Time 1510

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WHC-MR- 0299

APPENDIX B

VOLATILE ORGANIC REPORTS

WHC-MR- 0299

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00B45

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5794

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	74	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

WHC-MR- 0299

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B45MS

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2795-01MS____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A5795_____

Level: (low/med) LOW___ Date Received: 11/28/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP___ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	0.6	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

B4

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B45MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-01MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5796

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D68

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5797

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

WHC-MR

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B49

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5798

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	69	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

WHC-MR- 0299

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP_BLANK

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2795-06_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A5799_____

Level: (low/med) LOW___ Date Received: 11/28/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP___ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

WHC/VR

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00D04

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5800

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BOODH3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5801

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

B10

WHOME 0299

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00DH3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5801

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	20.89	9.0	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5802

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DG9

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5803

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B53

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5804

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	66	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DH1

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5805

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B57

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5806

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	59	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOODH2

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5813

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00D27

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5814

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DH4

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5815

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D31

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5816

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D35

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5817

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	r-1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DH5

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5832

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D42

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5818

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D60

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-13_____

Sample wt/vol: __5.0 (g/mL) ML__ Lab File ID: A5819_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP___ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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1A WHC-MR- 0299

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5820

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62MS

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-01MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5821

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-01MSD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5822

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5823

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D46

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5823

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	16.04	5.0	J

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5824

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	11	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

B30

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00D50

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5825

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	2	J

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOODH9

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5833

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D58

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5826

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	1	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOD66

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5834

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DJ3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5835

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D78

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5838

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D82

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5850

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DF5

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5849

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D89

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5848

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	2	J

B41

1A WHC-MR- 0299

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DG4

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5847

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	3	J

FORM I VOA

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1A WHC-MR- 0299

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOODKO

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5846

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

WHC-MR- 0999

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00DK3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2822-01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5845

Level: (low/med) LOW Date Received: 12/07/90

% Moisture: not dec. ____ Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

2A WHC-MR- 0299

WATER VOLATILE SURROGATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

	EPA SAMPLE NO.	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOT OUT
01	B00B45	104	104	93	0	0
02	B00B49	102	105	101	0	0
03	B00B53	105	104	97	0	0
04	B00B57	106	104	99	0	0
05	B00D04	104	105	98	0	0
06	B00D23	100	103	96	0	0
07	B00D27	103	101	94	0	0
08	B00D31	102	106	98	0	0
09	B00D35	100	98	96	0	0
10	B00D42	101	103	100	0	0
11	B00D46	105	104	101	0	0
12	B00D50	103	101	99	0	0
13	B00D54	100	99	98	0	0
14	B00D58	102	99	101	0	0
15	B00D60	98	103	102	0	0
16	B00D62	103	107	101	0	0
17	B00D66	104	107	107	0	0
18	B00D68	104	104	97	0	0
19	B00D70	100	105	105	0	0
20	B00D74	103	108	107	0	0
21	B00D78	102	107	109	0	0
22	B00D82	104	100	100	0	0
23	B00D89	105	96	96	0	0
24	B00DF5	106	97	100	0	0
25	B00DG4	108	100	100	0	0
26	B00DG9	107	106	96	0	0
27	B00DH1	107	108	100	0	0
28	B00DH2	99	100	96	0	0
29	B00DH3	106	109	101	0	0
30	B00DH4	97	99	98	0	0

		QC LIMITS
S1 (TOL)	= Toluene-d8	(88-110)
S2 (BFB)	= Bromofluorobenzene	(86-115)
S3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2A

WATER VOLATILE SURROGATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

	EPA SAMPLE NO.	S1 (TOL) #	S2 (BFB) #	S3 (DCE) #	OTHER	TOT OUT
01	B00DH5	105	109	105	0	0
02	B00DH9	101	106	103	0	0
03	B00DJ3	104	109	102	0	0
04	B00DK0	105	98	99	0	0
05	B00DK3	96	99	98	0	0
06	TRIP_BLANK	105	103	98	0	0
07	B00B45MS	99	104	96	0	0
08	B00B45MSD	108	106	94	0	0
09	B00D62MS	97	100	102	0	0
10	B00D62MSD	99	100	101	0	0
11	VBLKAK	101	101	93	0	0
12	VBLKAL	101	100	94	0	0
13	VBLKAM	103	107	106	0	0
14	VBLKAN	97	101	94	0	0

		QC LIMITS
S1 (TOL)	= Toluene-d8	(88-110)
S2 (BFB)	= Bromofluorobenzene	(86-115)
S3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1

1/87 Rev.

3A WSC-MR 0299

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix Spike - EPA Sample No.: B00B45

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	40.7	81	61-145
Trichloroethene	50.0	73.7	114	81	71-120
Benzene	50.0	0	46.9	94	76-127
Toluene	50.0	0	45.5	91	76-125
Chlorobenzene	50.0	0	46.0	92	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	40.7	81	0	14	61-145
Trichloroethene	50.0	112	77	5	14	71-120
Benzene	50.0	48.8	98	-4	11	76-127
Toluene	50.0	49.1	98	-7	13	76-125
Chlorobenzene	50.0	46.7	93	-1	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: 2795-01 B00B45
INST.ID:VOA1 5.0ML

3A WHC-MR- 0299

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix Spike - EPA Sample No.: B00D62_____ _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene_____	50.0	0	40.5	81	61-145
Trichloroethene_____	50.0	0	44.8	90	71-120
Benzene_____	50.0	0	48.4	97	76-127
Toluene_____	50.0	0	46.7	93	76-125
Chlorobenzene_____	50.0	0	46.8	94	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene_____	50.0	40.8	82	-1	14	61-145
Trichloroethene_____	50.0	45.6	91	-1	14	71-120
Benzene_____	50.0	49.0	98	-1	11	76-127
Toluene_____	50.0	47.0	94	-1	13	76-125
Chlorobenzene_____	50.0	45.7	91	3	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: __0 out of __5 outside limits _ _
Spike Recovery: __0 out of _10 outside limits _ __

COMMENTS: 2807-01 B00D62
INST.ID:VOA1 5ML AM

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: A5793_____ Lab Sample ID: VBLKAK_____

Date Analyzed: 12/05/90 Time Analyzed: 1123____

Matrix: (soil/water) WATER_ Level: (low/med) LOW___

Instrument ID: VOA1____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B00B45	2795-01	A5794	1204
02	B00B49	2795-04	A5798	1502
03	B00B53	2797-07	A5804	1906
04	B00B57	2797-10	A5806	2011
05	B00D04	2797-01	A5800	1652
06	B00D23	2797-04	A5802	1801
07	B00D68	2795-02	A5797	1426
08	B00DG9	2797-06	A5803	1834
09	B00DH1	2797-09	A5805	1938
10	B00DH3	2797-03	A5801	1729
11	TRIP_BLANK	2795-06	A5799	1616
12	B00B45MS	2795-01MS	A5795	1308
13	B00B45MSD	2795-01MSD	A5796	1346

COMMENTS: VBLKAK
INST.ID:VOA1 5.0ML

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: A5812_____ Lab Sample ID: VBLKAL_____

Date Analyzed: 12/06/90 Time Analyzed: 1121____

Matrix: (soil/water) WATER_ Level: (low/med) LOW___

Instrument ID: VOA1____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B00D27	2803-01	A5814	1245
02	B00D31	2803-04	A5816	1411
03	B00D35	2803-07	A5817	1454
04	B00D42	2803-10	A5818	1535
05	B00D46	2807-04	A5823	1833
06	B00D50	2807-10	A5825	1938
07	B00D54	2807-07	A5824	1906
08	B00D58	2807-13	A5826	2010
09	B00D60	2803-13	A5819	1611
10	B00D62	2807-01	A5820	1701
11	B00DH2	2797-12	A5813	1156
12	B00DH4	2803-02	A5815	1325
13	B00D62MS	2807-01MS	A5821	1729
14	B00D62MSD	2807-01MSD	A5822	1801

COMMENTS: VBLKAL
INST.ID:VOA1 5.0ML

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: A5831_____ Lab Sample ID: VBLKAM_____

Date Analyzed: 12/07/90 Time Analyzed: 1133____

Matrix: (soil/water) WATER_ Level:(low/med) LOW___

Instrument ID: VOA1____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B00D66	2812-01	A5834	1341
02	B00D70	2812-04	A5836	1504
03	B00D74	2812-07	A5837	1608
04	B00D78	2812-10	A5838	1659
05	B00DH5	2803-09	A5832	1212
06	B00DH9	2807-12	A5833	1250
07	B00DJ3	2812-03	A5835	1426

COMMENTS: VBLKAM
INST.ID:VOA1 5.0ML

WHC-MR- 0299

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: A5844_____ Lab Sample ID: VBLKAN_____

Date Analyzed: 12/10/90 Time Analyzed: 1037____

Matrix: (soil/water) WATER_ Level:(low/med) LOW___

Instrument ID: VOA1____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B00D82	2812-13	A5850	1406
02	B00D89	2818-04	A5848	1301
03	B00DF5	2818-01	A5849	1333
04	B00DG4	2818-07	A5847	1228
05	B00DK0	2818-09	A5846	1156
06	B00DK3	2822-01	A5845	1118

COMMENTS: VBLKAN
INST.ID:VOA1 5.0ML

FORM IV VOA

1/87 Rev.

1A WHC-MR- 0299

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAK

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: VBLKAK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5793

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/05/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAL

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: VBLKAL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/06/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAM

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: VBLKAM

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5831

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 12/07/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
----------	Total Trihalomethanes (THMs)	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAN

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: VBLKAN

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A5844

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 12/10/90

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	1	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	3	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U
	Total Trihalomethanes (THMs)	5	U

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SA WHC-MR- 0299

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): A5790_____ Date Analyzed: 12/05/90

Instrument ID: VOA1____ Time Analyzed: 0841____

Matrix:(soil/water) WATER_ Level:(low/med) LOW___ Column:(pack/cap) CAP___

		IS1(BCM) AREA	#	RT	IS2(DFB) AREA	#	RT	IS3(CBZ) AREA	#	RT
	12 HOUR STD	105000		6.77	499000		8.69	386000		13.57
	UPPER LIMIT	210000			998000			772000		
	LOWER LIMIT	52500			249500			193000		
	EPA SAMPLE NO.									
01	B00B45	106000		6.43	475000		8.35	369000		13.27
02	B00B49	97900		6.30	446000		8.23	350000		13.17
03	B00B53	101000		6.37	434000		8.28	336000		13.22
04	B00B57	101000		6.37	442000		8.32	336000		13.24
05	B00D04	102000		6.33	457000		8.27	360000		13.19
06	B00D23	100000		6.33	446000		8.27	342000		13.19
07	B00D68	104000		6.32	460000		8.25	357000		13.17
08	B00DG9	97600		6.35	441000		8.28	329000		13.20
09	B00DH1	99000		6.37	433000		8.32	328000		13.24
10	B00DH3	97700		6.33	437000		8.27	336000		13.17
11	TRIP_BLANK	103000		6.35	458000		8.28	365000		13.20
12	B00B45MS	107000		6.40	481000		8.34	377000		13.25
13	B00B45MSD	107000		6.38	464000		8.32	354000		13.24
14	VBLKAK	107000		6.42	484000		8.34	374000		13.24

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): A5810_____ Date Analyzed: 12/06/90

Instrument ID: VOA1____ Time Analyzed: 0927____

Matrix:(soil/water) WATER_ Level:(low/med) LOW___ Column:(pack/cap) CAP___

	IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
12 HOUR STD	112000	6.62	522000	8.52	405000	13.42
UPPER LIMIT	224000		1044000		810000	
LOWER LIMIT	56000		261000		202500	
EPA SAMPLE NO.						
01 B00D27	113000	6.57	509000	8.49	388000	13.39
02 B00D31	103000	6.37	463000	8.28	352000	13.22
03 B00D35	99900	6.30	437000	8.23	357000	13.17
04 B00D42	99000	6.28	437000	8.22	349000	13.15
05 B00D46	94500	6.37	440000	8.32	340000	13.24
06 B00D50	101000	6.47	445000	8.39	338000	13.30
07 B00D54	98100	6.42	442000	8.34	340000	13.27
08 B00D58	100000	6.50	441000	8.44	338000	13.32
09 B00D60	96700	6.27	446000	8.22	354000	13.14
10 B00D62	99800	6.30	442000	8.23	342000	13.17
11 B00DH2	118000	6.67	537000	8.57	427000	13.45
12 B00DH4	105000	6.45	470000	8.39	375000	13.29
13 B00D62MS	97600	6.32	435000	8.28	340000	13.19
14 B00D62MSD	98800	6.33	448000	8.28	355000	13.20
15 VBLKAL	119000	6.68	546000	8.59	426000	13.49

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): A5829_____ Date Analyzed: 12/07/90

Instrument ID: VOA1____ Time Analyzed: 1016____

Matrix:(soil/water) WATER_ Level:(low/med) LOW___ Column:(pack/cap) CAP___

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	113000	6.47	489000	8.39	389000	13.32
	UPPER LIMIT	226000		978000		778000	
	LOWER LIMIT	56500		244500		194500	
	EPA SAMPLE NO.						
01	B00D66	103000	6.48	469000	8.42	360000	13.32
02	B00D70	102000	6.43	450000	8.37	357000	13.27
03	B00D74	103000	6.45	467000	8.40	363000	13.30
04	B00D78	101000	6.47	460000	8.40	363000	13.29
05	B00DH5	102000	6.48	468000	8.42	362000	13.32
06	B00DH9	105000	6.48	468000	8.42	366000	13.32
07	B00DJ3	109000	6.43	481000	8.37	363000	13.29
08	VBLKAM	104000	6.43	477000	8.37	372000	13.29

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): A5842_____ Date Analyzed: 12/10/90

Instrument ID: VOA1____ Time Analyzed: 0909____

Matrix:(soil/water) WATER_ Level:(low/med) LOW___ Column:(pack/cap) CAP___

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	101000	6.58	459000	8.52	358000	13.42
	UPPER LIMIT	202000		918000		716000	
	LOWER LIMIT	50500		229500		179000	
	EPA SAMPLE NO.						
01	B00D82	105000	6.53	502000	8.47	377000	13.39
02	B00D89	115000	6.55	610000	8.47	429000	13.39
03	B00DF5	104000	6.53	531000	8.47	378000	13.39
04	B00DG4	121000	6.55	592000	8.47	407000	13.39
05	B00DK0	109000	6.57	624000	8.49	396000	13.40
06	B00DK3	101000	6.55	448000	8.50	358000	13.39
07	VBLKAN	100000	6.58	445000	8.52	340000	13.40

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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APPENDIX C

SEMIVOLATILE ORGANIC REPORTS

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1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B45

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-01

Sample wt/vol: 1040 (g/mL) ML Lab File ID: D0406

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	48	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	48	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	48	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B45

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2795-01_____

Sample wt/vol: 1040_ (g/mL) ML__ Lab File ID: D0406_____

Level: (low/med) LOW___ Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	48	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	48	U
100-02-7	4-Nitrophenol	48	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	48	U
534-52-1	4,6-Dinitro-2-methylphenol	48	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	48	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

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WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00B45

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-01

Sample wt/vol: 1040 (g/mL) ML Lab File ID: D0406

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	24.05	17	J
2.	Unknown hydrocarbon	26.12	42	BJ
3.	Unknown hydrocarbon	29.59	7.7	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B00B49

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2795-04_____

Sample wt/vol: 970__ (g/mL) ML__ Lab File ID: D0407_____

Level: (low/med) LOW___ Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C6

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B49

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2795-04

Sample wt/vol: 970 (g/mL) ML Lab File ID: D0407

Level: (low/med) LOW Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C7

1F WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00B49

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2795-04_____

Sample wt/vol: 970__ (g/mL) ML__ Lab File ID: D0407_____

Level: (low/med) LOW___ Date Received: 11/28/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	26.12	54	BJ
2.	Unknown hydrocarbon	29.57	8.2	J

FORM I SV-TIC

1/87 Rev.

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01

Sample wt/vol: 965 (g/mL) ML Lab File ID: D0408

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C9

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01

Sample wt/vol: 965 (g/mL) ML Lab File ID: D0408

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C10

1F WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D04

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01

Sample wt/vol: 965 (g/mL) ML Lab File ID: D0408

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. dec. Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	24.07	8.3	J
2.	Unknown hydrocarbon	26.12	43	BJ
3.	Unknown hydrocarbon	29.59	8.3	J

FORM I SV-TIC 1/87 Rev.

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04MS

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01MS

Sample wt/vol: 1050 (g/mL) ML Lab File ID: D0409

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	48	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	48	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	48	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C12

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04MS

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2797-01MS____

Sample wt/vol: 1050_ (g/mL) ML__ Lab File ID: D0409_____

Level: (low/med) LOW___ Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	48	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	48	U
100-02-7	4-Nitrophenol	48	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	48	U
534-52-1	4,6-Dinitro-2-methylphenol	48	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	48	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	19	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01MSD

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0410

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	54	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	54	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D04MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-01MSD

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0410

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-04

Sample wt/vol: 940 (g/mL) ML Lab File ID: D0411

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	53	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	53	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	53	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

C16

1C WHC-MR 0290

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D23

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-04

Sample wt/vol: 940 (g/mL) ML Lab File ID: D0411

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	53	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	53	U
100-02-7	4-Nitrophenol	53	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	53	U
534-52-1	4,6-Dinitro-2-methylphenol	53	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	53	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

C17

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D23

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2797-04_____

Sample wt/vol: 940__ (g/mL) ML__ Lab File ID: D0411_____

Level: (low/med) LOW___ Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 115968	Ethanol, 2-chloro-, phosphat	20.84	13	J
2.	Unknown fatty acid	22.94	8.5	J
3.	Unknown	24.02	34	J
4.	Unknown hydrocarbon	26.12	55	BJ
5.	Unknown hydrocarbon	29.52	11	J

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C/E

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B53

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-07

Sample wt/vol: 980 (g/mL) ML Lab File ID: D0435

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	51	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	51	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B53

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2797-07_____

Sample wt/vol: 980__ (g/mL) ML__ Lab File ID: D0435_____

Level: (low/med) LOW___ Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	51	U
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	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	51	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C20

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00B53

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2797-07_____

Sample wt/vol: 980__ (g/mL) ML__ Lab File ID: D0435_____

Level: (low/med) LOW___ Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	24.07	10	J
2.	Unknown hydrocarbon	26.17	35	BJ

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B57

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-10

Sample wt/vol: 920 (g/mL) ML Lab File ID: D0413

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	54	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	54	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00B57

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-10

Sample wt/vol: 920 (g/mL) ML Lab File ID: D0413

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

C23

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00B57

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2797-10

Sample wt/vol: 920 (g/mL) ML Lab File ID: D0413

Level: (low/med) LOW Date Received: 11/29/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown fatty acid	22.94	8.7	J
2.	Unknown	24.00	8.7	J
3.	Unknown hydrocarbon	26.11	59	BJ
4.	Unknown hydrocarbon	29.52	11	J

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D27

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-01

Sample wt/vol: 1020 (g/mL) ML Lab File ID: D0414

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	49	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	49	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C25

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D27

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-01_____

Sample wt/vol: 1020_ (g/mL) ML__ Lab File ID: D0414_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	49	U
100-02-7	4-Nitrophenol	49	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol	49	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	49	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C26

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D27

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-01_____

Sample wt/vol: 1020_ (g/mL) ML__ Lab File ID: D0414_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141786	Acetic acid, ethyl ester	5.68	16	J
2.	Unknown fatty acid	22.97	12	J
3.	Unknown hydrocarbon	26.14	110	BJ
4.	Unknown alkane	27.11	14	J
5.	Unknown alkane	28.74	12	J
6.	Unknown hydrocarbon	29.52	22	J
7.	Unknown	37.36	7.8	J

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D31

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-04

Sample wt/vol: 1020 (g/mL) ML Lab File ID: D0418

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	49	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	49	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	49	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C28

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D31

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-04

Sample wt/vol: 1020 (g/mL) ML Lab File ID: D0418

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	49	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	49	U
100-02-7	4-Nitrophenol	49	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	49	U
534-52-1	4,6-Dinitro-2-methylphenol	49	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	49	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1/87 Rev.

C29

MHCMR- 0290

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D31

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-04_____

Sample wt/vol: 1020_ (g/mL) ML__ Lab File ID: D0418_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141786	Acetic acid, ethyl ester	5.68	22	J
2. 123422	Diacetone alcohol	6.73	7.8	J
3.	Unknown hydrocarbon	26.12	110	BJ
4.	Unknown alkane	27.09	12	J
5.	Unknown alkane	28.72	9.8	J
6.	Unknown hydrocarbon	29.52	20	J

C30

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D35

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0419

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C31

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D35

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-07_____

Sample wt/vol: 950__ (g/mL) ML__ Lab File ID: D0419_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C32

WHC-MR- 0293

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D35

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-07_____

Sample wt/vol: 950__ (g/mL) ML__ Lab File ID: D0419_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	26.12	120	BJ
2.	Unknown alkane	27.09	15	J
3.	Unknown alkane	28.74	11	J
4.	Unknown hydrocarbon	29.52	21	J

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D42

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-10

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0420

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	54	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	54	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

C34

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D42

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-10

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0420

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

C35

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D42

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-10_____

Sample wt/vol: 930__ (g/mL) ML__ Lab File ID: D0420_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.0_____

Number TICs found: __4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141786	Acetic acid, ethyl ester	5.73	67	J
2.	Unknown hydrocarbon	26.12	84	BJ
3.	Unknown hydrocarbon	27.09	11	J
4.	Unknown hydrocarbon	29.52	13	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D60

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-13_____

Sample wt/vol: 980__ (g/mL) ML__ Lab File ID: D0421_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	51	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	51	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D60

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2803-13_____

Sample wt/vol: 980__ (g/mL) ML__ Lab File ID: D0421_____

Level: (low/med) LOW___ Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	51	U
100-02-7	4-Nitrophenol	51	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	51	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	51	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	5	J
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D60

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2803-13

Sample wt/vol: 980 (g/mL) ML Lab File ID: D0421

Level: (low/med) LOW Date Received: 11/30/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141786	Acetic acid, ethyl ester	5.73	43	J
2.	Unknown hydrocarbon	26.12	67	BJ
3.	Unknown hydrocarbon	29.54	12	J

C39

WHC-MR-

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-01

Sample wt/vol: 990 (g/mL) ML Lab File ID: D0422

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D62

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-01

Sample wt/vol: 990 (g/mL) ML Lab File ID: D0422

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

FORM I SV-2 1/87 Rev.

WHC-MR- 0299

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D62

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2807-01_____

Sample wt/vol: 990__ (g/mL) ML__ Lab File ID: D0422_____

Level: (low/med) LOW___ Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.33	1200	BJ
2. 141786	Acetic acid, ethyl ester	5.72	18	BJ
3.	Unknown hydrocarbon	23.97	28	J

9212696017320

C42

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-04

Sample wt/vol: 890 (g/mL) ML Lab File ID: D0437

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	56	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	56	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	56	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

C43

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D46

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-04

Sample wt/vol: 890 (g/mL) ML Lab File ID: D0437

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. dec. Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	56	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	56	U
100-02-7	4-Nitrophenol	56	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	56	U
534-52-1	4,6-Dinitro-2-methylphenol	56	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	56	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D46

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2807-04_____

Sample wt/vol: 890__ (g/mL) ML__ Lab File ID: D0437_____

Level: (low/med) LOW___ Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	1800	BJ
2.	Unknown	24.09	9.0	J

92125-91723

C45

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0438

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0438

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C47

1F 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D54

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2807-07_____

Sample wt/vol: 950__ (g/mL) ML__ Lab File ID: D0438_____

Level: (low/med) LOW___ Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.33	1500	BJ
2. 141786	Acetic acid, ethyl ester	5.72	19	BJ
3.	Unknown hydrocarbon	24.09	13	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54MS

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07MS

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0439

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	54	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	54	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

C49

WRC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54MS

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07MS

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0439

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

CSC

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07MSD

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0440

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C51

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D54MSD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-07MSD

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0440

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C52

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D50

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0427

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

WHO-MR 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D50

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0427

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

CS4

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D50

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0427

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.35	1300	BJ
2. 141786	Acetic acid, ethyl ester	5.73	10	BJ
3.	Unknown hydrocarbon	23.97	56	J

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C55

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D58

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2807-13_____

Sample wt/vol: 930__ (g/mL) ML__ Lab File ID: D0436_____

Level: (low/med) LOW___ Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.0_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	54	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	54	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

CSL

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D58

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-13

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0436

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

000151

C57

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D58

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2807-13

Sample wt/vol: 930 (g/mL) ML Lab File ID: D0436

Level: (low/med) LOW Date Received: 12/01/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.33	1700	BJ
2. 141786	Acetic acid, ethyl ester	5.70	26	BJ
3.	Unknown hydrocarbon	24.07	19	J

C58

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D66

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-01

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0442

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

9 2 1 2 6 3 9 1 7 3 7

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D66

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-01

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0442

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C60

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D66

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-01

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0442

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. dec. Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.33	1500	BJ
2. 141786	Acetic acid, ethyl ester	5.72	30	BJ
3. 123422	Diacetone alcohol	6.77	15	J
4. 115968	Ethanol, 2-chloro-, phosphat	20.89	76	J

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1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D70

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-04

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0455

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C62

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D70

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-04

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0455

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

000157

C63

1F WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D70

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2812-04_____

Sample wt/vol: 950__ (g/mL) ML__ Lab File ID: D0455_____

Level: (low/med) LOW___ Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Toluene	5.32	1600	BJ
2. 141786	Acetic acid, ethyl ester	5.72	30	BJ
3. 123422	Diacetone alcohol	6.77	11	J
4. 115968	Ethanol, 2-chloro-, phosphat	20.85	80	J

C64

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D74

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0456

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D74

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0456

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C66

WHC-MK- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D74

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2812-07_____

Sample wt/vol: 950__ (g/mL) ML__ Lab File ID: D0456_____

Level: (low/med) LOW___ Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	2000	BJ

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WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOD78

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2812-10_____

Sample wt/vol: 890__ (g/mL) ML__ Lab File ID: D0447_____

Level: (low/med) LOW___ Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L_	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	56	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	56	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	56	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

C08

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D78

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-10

Sample wt/vol: 890 (g/mL) ML Lab File ID: D0447

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	56	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	56	U
100-02-7	4-Nitrophenol	56	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	56	U
534-52-1	4,6-Dinitro-2-methylphenol	56	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	56	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B00D78

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-10

Sample wt/vol: 890 (g/mL) ML Lab File ID: D0447

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.30	1500	BJ
2. 141786	Acetic acid, ethyl ester	5.68	36	BJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOODS2

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-13

Sample wt/vol: 860 (g/mL) ML Lab File ID: D0448

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	12	U
111-44-4	bis(2-Chloroethyl)ether	12	U
95-57-8	2-Chlorophenol	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
100-51-6	Benzyl alcohol	12	U
95-50-1	1,2-Dichlorobenzene	12	U
95-48-7	2-Methylphenol	12	U
108-60-1	bis(2-Chloroisopropyl)ether	12	U
106-44-5	4-Methylphenol	12	U
621-64-7	N-Nitroso-di-n-propylamine	12	U
67-72-1	Hexachloroethane	12	U
98-95-3	Nitrobenzene	12	U
78-59-1	Isophorone	12	U
88-75-5	2-Nitrophenol	12	U
105-67-9	2,4-Dimethylphenol	12	U
65-85-0	Benzoic Acid	58	U
111-91-1	bis(2-Chloroethoxy)methane	12	U
120-83-2	2,4-Dichlorophenol	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U
91-20-3	Naphthalene	12	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	12	U
59-50-7	4-Chloro-3-methylphenol	12	U
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	12	U
88-06-2	2,4,6-Trichlorophenol	12	U
95-95-4	2,4,5-Trichlorophenol	58	U
91-58-7	2-Chloronaphthalene	12	U
88-74-4	2-Nitroaniline	58	U
131-11-3	Dimethylphthalate	12	U
208-96-8	Acenaphthylene	12	U
606-20-2	2,6-Dinitrotoluene	12	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BOOD82

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-13

Sample wt/vol: 860 (g/mL) ML Lab File ID: D0448

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	58	U
83-32-9	Acenaphthene	12	U
51-28-5	2,4-Dinitrophenol	58	U
100-02-7	4-Nitrophenol	58	U
132-64-9	Dibenzofuran	12	U
121-14-2	2,4-Dinitrotoluene	12	U
84-66-2	Diethylphthalate	12	U
7005-72-3	4-Chlorophenyl-phenylether	12	U
86-73-7	Fluorene	12	U
100-01-6	4-Nitroaniline	58	U
534-52-1	4,6-Dinitro-2-methylphenol	58	U
86-30-6	N-Nitrosodiphenylamine (1)	12	U
101-55-3	4-Bromophenyl-phenylether	12	U
118-74-1	Hexachlorobenzene	12	U
87-86-5	Pentachlorophenol	58	U
85-01-8	Phenanthrene	12	U
120-12-7	Anthracene	12	U
84-74-2	Di-n-butylphthalate	12	U
206-44-0	Fluoranthene	12	U
129-00-0	Pyrene	12	U
85-68-7	Butylbenzylphthalate	12	U
91-94-1	3,3'-Dichlorobenzidine	23	U
56-55-3	Benzo(a)anthracene	12	U
117-81-7	bis(2-Ethylhexyl)phthalate	12	U
218-01-9	Chrysene	12	U
117-84-0	Di-n-octylphthalate	12	U
205-99-2	Benzo(b)fluoranthene	12	U
207-08-9	Benzo(k)fluoranthene	12	U
50-32-8	Benzo(a)pyrene	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	U
53-70-3	Dibenz(a,h)anthracene	12	U
191-24-2	Benzo(g,h,i)perylene	12	U

(1) - Cannot be separated from Diphenylamine

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D82

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2812-13

Sample wt/vol: 860 (g/mL) ML Lab File ID: D0448

Level: (low/med) LOW Date Received: 12/05/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	1600	BJ
2. 141786	Acetic acid, ethyl ester	5.68	40	BJ
3. 123422	Diacetone alcohol	6.73	16	J

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DF5

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-01

Sample wt/vol: 940 (g/mL) ML Lab File ID: D0449

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl)ether	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	53	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	53	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	53	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DF5

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-01

Sample wt/vol: 940 (g/mL) ML Lab File ID: D0449

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	53	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	53	U
100-02-7	4-Nitrophenol	53	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	53	U
534-52-1	4,6-Dinitro-2-methylphenol	53	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	53	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
218-01-9	Chrysene	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

000169

C-15

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00DF5

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2818-01_____

Sample wt/vol: 940__ (g/mL) ML__ Lab File ID: D0449_____

Level: (low/med) LOW___ Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/15/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	1500	BJ
2. 141786	Acetic acid, ethyl ester	5.72	81	BJ
3. 123422	Diacetone alcohol	6.73	89	J

C76

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D89

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-04

Sample wt/vol: 970 (g/mL) ML Lab File ID: D0450

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C77

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00D89

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-04

Sample wt/vol: 970 (g/mL) ML Lab File ID: D0450

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C78

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00D89

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: 2818-04_____

Sample wt/vol: 970__ (g/mL) ML__ Lab File ID: D0450_____

Level: (low/med) LOW___ Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.00____

Number TICs found: __3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	1600	BJ
2. 141786	Acetic acid, ethyl ester	5.72	91	BJ
3. 123422	Diacetone alcohol	6.73	89	J

C79

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DG4

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0451

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	52	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	52	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C80

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DG4

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0451

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	52	U
100-02-7	4-Nitrophenol	52	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	52	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	52	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

000175

FORM I SV-2 1/87 Rev.

C81

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00DG4

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2818-07

Sample wt/vol: 950 (g/mL) ML Lab File ID: D0451

Level: (low/med) LOW Date Received: 12/06/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/16/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.32	1600	BJ
2. 141786	Acetic acid, ethyl ester	5.68	61	BJ
3. 123422	Diacetone alcohol	6.73	32	J

C82

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DK3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2822-01

Sample wt/vol: 988 (g/mL) ML Lab File ID: D0478

Level: (low/med) LOW Date Received: 12/07/90

% Moisture: not dec. dec. Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B00DK3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2822-01

Sample wt/vol: 988 (g/mL) ML Lab File ID: D0478

Level: (low/med) LOW Date Received: 12/07/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C84

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B00DK3

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: 2822-01

Sample wt/vol: 988 (g/mL) ML Lab File ID: D0478

Level: (low/med) LOW Date Received: 12/07/90

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.37	1900	BJ
2. 141786	Acetic acid, ethyl ester	5.73	32	BJ

FORM I SV-TIC

1/87 Rev.

C85

WHC-MR 0299 2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	B00B45	97	85	72	83	72	78	0	0
02	B00B49	95	83	69	88	72	79	0	0
03	B00B53	91	89	72	70	62	84	0	0
04	B00B57	88	78	67	83	72	80	0	0
05	B00D04	93	78	70	82	69	76	0	0
06	B00D23	93	81	70	71	52	74	0	0
07	B00D27	94	84	69	89	79	84	0	0
08	B00D31	92	91	69	81	76	89	0	0
09	B00D35	93	86	68	77	72	91	0	0
10	B00D42	97	93	70	78	70	95	0	0
11	B00D46	93	83	91	73	68	72	0	0
12	B00D50	93	84	76	80	79	87	0	0
13	B00D54	95	83	82	80	81	85	0	0
14	B00D58	97	85	86	75	73	83	0	0
15	B00D60	96	91	69	77	68	95	0	0
16	B00D62	99	84	78	83	80	95	0	0
17	B00D66	93	81	82	80	81	86	0	0
18	B00D70	91	84	75	81	87	108	0	0
19	B00D74	89	79	81	78	86	101	0	0
20	B00D78	96	90	84	82	85	87	0	0
21	B00D82	90	82	76	76	79	78	0	0
22	B00D89	87	84	81	75	76	81	0	0
23	B00DF5	89	86	80	81	85	89	0	0
24	B00DG4	87	86	75	79	84	92	0	0
25	B00DK3	89	69	70	76	73	72	0	0
26	B00D04MS	91	85	68	78	54	62	0	0
27	B00D04MSD	99	84	71	87	83	84	0	0
28	B00D54MS	104	90	84	83	87	86	0	0
29	B00D54MSD	92	87	83	79	82	85	0	0
30	SBLKDB	84	74	67	83	76	82	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-1 1/87 Rev.

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	SBLKDC	100	78	79	78	74	70	0	0
02	SBLKDD	99	86	88	80	80	86	0	0
03	SBLKDG	92	71	74	81	77	73	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix Spike - EPA Sample No.: B00D04_____ _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	190	0	146	77	12- 89
2-Chlorophenol	190	0	136	72	27-123
1,4-Dichlorobenzene	95.0	0	74.7	79	36 97
N-Nitroso-di-n-prop.(1)	95.0	0	98.8	104	41 116
1,2,4-Trichlorobenzene	95.0	0	80.2	84	39 98
4-Chloro-3-methylphenol	190	0	155	82	23 97
Acenaphthene	95.0	0	81.1	85	46-118
4-Nitrophenol	190	0	6.73	4 *	10- 80
2,4-Dinitrotoluene	95.0	0	69.2	73	24- 96
Pentachlorophenol	190	0	29.6	16	9-103
Pyrene	95.0	0	78.1	82	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	215	190	88	-13	42	12- 89
2-Chlorophenol	215	167	78	-8	40	27-123
1,4-Dichlorobenzene	108	86.6	80	-1	28	36 97
N-Nitroso-di-n-prop.(1)	108	118	109	-5	38	41 116
1,2,4-Trichlorobenzene	108	95.2	88	-5	28	39 98
4-Chloro-3-methylphenol	215	189	88	-7	42	23 97
Acenaphthene	108	90.1	83	2	31	46-118
4-Nitrophenol	215	134	62	-176 *	50	10- 80
2,4-Dinitrotoluene	108	84.1	78	-7	38	24- 96
Pentachlorophenol	215	217	101	-145 *	50	9-103
Pyrene	108	93.7	87	-6	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: __2 out of _11 outside limits _ __
Spike Recovery: __1 out of _22 outside limits _ __

COMMENTS: 2797-01 B00D04
INST.ID:BNAZ

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix Spike - EPA Sample No.: B00D54_____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	215	0	180	84	12- 89
2-Chlorophenol	215	0	183	85	27-123
1,4-Dichlorobenzene	108	0	91.4	85	36 97
N-Nitroso-di-n-prop.(1)	108	0	117	108	41 116
1,2,4-Trichlorobenzene	108	0	99.8	92	39 98
4-Chloro-3-methylphenol	215	0	203	94	23 97
Acenaphthene	108	0	96.5	89	46-118
4-Nitrophenol	215	0	147	68	10- 80
2,4-Dinitrotoluene	108	0	89.9	83	24- 96
Pentachlorophenol	215	0	136	63	9-103
Pyrene	108	0	97.0	90	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	211	173	82	2	42	12- 89
2-Chlorophenol	211	176	83	2	40	27-123
1,4-Dichlorobenzene	106	85.2	80	6	28	36 97
N-Nitroso-di-n-prop.(1)	106	103	97	11	38	41 116
1,2,4-Trichlorobenzene	106	90.1	85	8	28	39 98
4-Chloro-3-methylphenol	211	183	87	8	42	23 97
Acenaphthene	106	93.5	88	1	31	46-118
4-Nitrophenol	211	55.7	26	89 *	50	10- 80
2,4-Dinitrotoluene	106	80.2	76	9	38	24- 96
Pentachlorophenol	211	87.6	42	40	50	9-103
Pyrene	106	97.9	92	-2	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: __1 out of _11 outside limits
Spike Recovery: __0 out of _22 outside limits

COMMENTS: 2807-07 B00D54
INST.ID:BNA2

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: D0405_____ Lab Sample ID: SBLKDB_____

Date Extracted: 11/30/90 Extraction:(SepF/Cont/Sonc) CONT

Date Analyzed: 12/12/90 Time Analyzed: 2225____

Matrix: (soil/water) WATER_ Level:(low/med) LOW___

Instrument ID: BNA2____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B00B45	2795-01	D0406	12/12/90
02	B00B49	2795-04	D0407	12/12/90
03	B00B53	2797-07	D0435	12/14/90
04	B00B57	2797-10	D0413	12/13/90
05	B00D04	2797-01	D0408	12/13/90
06	B00D23	2797-04	D0411	12/13/90
07	B00D27	2803-01	D0414	12/13/90
08	B00D31	2803-04	D0418	12/13/90
09	B00D35	2803-07	D0419	12/13/90
10	B00D42	2803-10	D0420	12/13/90
11	B00D60	2803-13	D0421	12/13/90
12	B00D04MS	2797-01MS	D0409	12/13/90
13	B00D04MSD	2797-01MSD	D0410	12/13/90

COMMENTS: SBLKDB 2795,97,03-MB
INST.ID:BNA2

FORM IV SV 1/87 Rev.

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: D0417_____ Lab Sample ID: SBLKDC_____

Date Extracted: 12/05/90 Extraction:(SepF/Cont/Sonc) CONT

Date Analyzed: 12/13/90 Time Analyzed: 1324____

Matrix: (soil/water) WATER_ Level:(low/med) LOW___

Instrument ID: BNA2____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B00D46	2807-04	D0437	12/14/90
02	B00D50	2807-10	D0427	12/13/90
03	B00D54	2807-07	D0438	12/14/90
04	B00D58	2807-13	D0436	12/14/90
05	B00D62	2807-01	D0422	12/13/90
06	B00D54MS	2807-07MS	D0439	12/14/90
07	B00D54MSD	2807-07MSD	D0440	12/14/90

COMMENTS: 2807-MB SBLKDC
INST.ID:BNA2

4B WHC-MR- 0299

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: D0441_____ Lab Sample ID: SBLKDD_____

Date Extracted: 12/07/90 Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 12/14/90 Time Analyzed: 1520____

Matrix: (soil/water) WATER_ Level: (low/med) LOW___

Instrument ID: BNA2____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B00D66	2812-01	D0442	12/14/90
02	B00D70	2812-04	D0455	12/16/90
03	B00D74	2812-07	D0456	12/16/90
04	B00D78	2812-10	D0447	12/15/90
05	B00D82	2812-13	D0448	12/15/90
06	B00D89	2818-04	D0450	12/16/90
07	B00DF5	2818-01	D0449	12/15/90
08	B00DG4	2818-07	D0451	12/16/90

COMMENTS: 2818,2812-MB SBLKDD
INST.ID:BNA2

9 2 1 2 6 9 1 7 1 0

4B WHC-MR-0299

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID: D0477_____ Lab Sample ID: SBLKDG_____

Date Extracted: 12/12/90 Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 12/18/90 Time Analyzed: 1528____

Matrix: (soil/water) WATER_ Level: (low/med) LOW___

Instrument ID: BNA2____ ____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B00DK3	2822-01	D0478	12/18/90

COMMENTS: SBLKDG 2822-MB
INST.ID:BNA2

1B WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDB

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0405

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C74

WHC-MR- 0299

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDB

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0405

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

9212659173

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKDB

Lab Name: FNELI Contract: WESTINGHOUS

Lab Code: FNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0405

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 11/30/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75333221	Benzoic acid, ethyoxy-, ethy	17.97	8.0	J
2.	Unknown hydrocarbon	26.12	46	J
3.	Unknown alkane	29.52	12	J
4.	Unknown alkane	30.27	8.0	J

C96

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDC

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDC

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0417

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDC

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDC

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0417

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

C98

1F WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLKDC

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDC

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0417

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/05/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/13/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.28	440	J
2. 141786	Acetic acid, ethyl ester	5.68	32	J
3. 123422	Diacetone alcohol	6.73	16	J

FORM I SV-TIC 000193 1/87 Rev.

WHC-MR- 0299

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0441

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDD

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0441

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

1F WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKDD

Lab Name: PNELI_____ Contract: WESTINGHOUS

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Matrix: (soil/water) WATER_ Lab Sample ID: SBLKDD_____

Sample wt/vol: 1000_ (g/mL) ML__ Lab File ID: D0441_____

Level: (low/med) LOW___ Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/07/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/14/90

GPC Cleanup: (Y/N) N__ pH: _____ Dilution Factor: 1.0_____

Number TICs found: __2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.33	1300	J
2. 141786	Acetic acid, ethyl ester	5.72	24	J

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1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDG

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0477

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	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
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	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
65-85-0	Benzoic Acid	50	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	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

C105

1C WHC-MR- 0299

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKDG

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0477

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	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	50	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	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
218-01-9	Chrysene	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

(1) - Cannot be separated from Diphenylamine

000198

C104

WHC-MR- 0299

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKDG

Lab Name: PNELI Contract: WESTINGHOUS

Lab Code: PNELI Case No.: 2795 SAS No.: _____ SDG No.: 2795

Matrix: (soil/water) WATER Lab Sample ID: SBLKDG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: D0477

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 12/12/90

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/18/90

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108883	Toluene	5.37	1900	J
2. 141786	Acetic acid, ethyl ester	5.73	30	J

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000199

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C105

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0400_____ Date Analyzed: 12/12/90

Instrument ID: BNA2____ Time Analyzed: 1828____

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	25400	10.02	89600	13.04	49800	17.45
	UPPER LIMIT	50800		179200		99600	
	LOWER LIMIT	12700		44800		24900	
	EPA SAMPLE NO.						
01	B00B45	40700	9.99	138000	13.02	75300	17.45
02	B00B49	39700	9.99	134000	13.02	74300	17.45
03	B00B57	44400	10.00	155000	13.02	87700	17.45
04	B00D04	41800	10.00	139000	13.04	81500	17.45
05	B00D23	44900	9.99	152000	13.02	86100	17.44
06	B00D27	43500	10.02	150000	13.04	85100	17.47
07	B00D04MS	43300	10.00	150000	13.02	84600	17.45
08	B00D04MSD	43800	10.00	149000	13.02	89800	17.45
09	SBLKDB	40500	10.00	141000	13.02	75100	17.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0416_____ Date Analyzed: 12/13/90

Instrument ID: BNA2____ Time Analyzed: 1208____

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	12 HOUR STD	42800	10.02	157000	13.04	89600	17.45
	UPPER LIMIT	85600		314000		179200	
	LOWER LIMIT	21400		78500		44800	
	EPA SAMPLE NO.						
01	B00D31	48000	10.00	167000	13.02	92500	17.44
02	B00D35	60200	10.02	207000	13.02	118000	17.45
03	B00D42	59400	10.00	207000	13.02	117000	17.45
04	B00D50	43400	10.02	146000	13.02	88500	17.45
05	B00D60	60100	10.02	208000	13.04	117000	17.47
06	B00D62	49200	10.00	166000	13.02	100000	17.45
07	SBLKDC	40700	10.00	134000	13.02	85500	17.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

C107

WIP MR. 0299 8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0434_____ Date Analyzed: 12/14/90

Instrument ID: BNA2____ Time Analyzed: 0923____

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	12 HOUR STD	38800	10.04	141000	13.05	79400	17.47
	UPPER LIMIT	77600		282000		158800	
	LOWER LIMIT	19400		70500		39700	
	EPA SAMPLE NO.						
01	B00B53	51500	10.00	170000	13.04	95100	17.45
02	B00D46	35700	10.00	120000	13.02	71000	17.47
03	B00D54	43500	10.00	142000	13.04	87400	17.47
04	B00D58	36700	10.00	120000	13.02	73100	17.47
05	B00D66	41800	10.02	138000	13.04	83000	17.47
06	B00D54MS	42200	10.02	144000	13.04	90800	17.47
07	B00D54MSD	35100	10.02	121000	13.04	71700	17.47
08	SBLKDD	43600	10.02	143000	13.04	87400	17.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

C108

WHC-MR- 0299 8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0446_____ Date Analyzed: 12/15/90

Instrument ID: BNA2____ Time Analyzed: 2111____

	IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
12 HOUR STD	42500	10.02	155000	13.04	89900	17.45
UPPER LIMIT	85000		310000		179800	
LOWER LIMIT	21250		77500		44950	
EPA SAMPLE NO.						
01 B00D70	36300	10.00	114000	13.02	68000	17.44
02 B00D74	25900	9.99	87700	13.00	49500	17.44
03 B00D78	53600	10.00	179000	13.02	105000	17.45
04 B00D82	50200	10.00	160000	13.02	99500	17.45
05 B00D89	37800	9.99	123000	13.02	70700	17.44
06 B00DF5	41600	10.00	138000	13.02	81100	17.45
07 B00DG4	36100	9.99	119000	13.00	67400	17.44

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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C10

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0476_____ Date Analyzed: 12/18/90

Instrument ID: BNA2____ Time Analyzed: 1428____

		IS1 (DCB) AREA #	RT	IS2 (NPT) AREA #	RT	IS3 (ANT) AREA #	RT
	12 HOUR STD	34100	10.05	121000	13.07	63200	17.50
	UPPER LIMIT	68200		242000		126400	
	LOWER LIMIT	17050		60500		31600	
	EPA SAMPLE NO.						
01	B00DK3	40900	10.02	136000	13.05	81100	17.47
02	SBLKDG	38200	10.02	136000	13.04	79800	17.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

C110

WHC-MR- 0299 SC

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0400_____ Date Analyzed: 12/12/90

Instrument ID: BNA2____ Time Analyzed: 1828____

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	96800	21.19	88100	27.97	104000	31.47
	UPPER LIMIT	193600		176200		208000	
	LOWER LIMIT	48400		44050		52000	
	EPA SAMPLE NO.						
01	B00B45	140000	21.17	142000	27.94	156000	31.44
02	B00B49	140000	21.17	141000	27.94	149000	31.44
03	B00B57	160000	21.17	163000	27.94	175000	31.46
04	B00D04	148000	21.17	150000	27.96	160000	31.44
05	B00D23	161000	21.17	161000	27.94	175000	31.46
06	B00D27	158000	21.19	157000	27.96	164000	31.47
07	B00D04MS	155000	21.17	154000	27.94	169000	31.44
08	B00D04MSD	159000	21.17	153000	27.96	172000	31.46
09	SBLKDB	142000	21.17	138000	27.94	152000	31.44

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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C 111

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0416_____ Date Analyzed: 12/13/90

Instrument ID: BNA2____ Time Analyzed: 1208____

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	163000	21.19	143000	27.97	157000	31.47
	UPPER LIMIT	326000		286000		314000	
	LOWER LIMIT	81500		71500		78500	
	EPA SAMPLE NO.						
01	B00D31	171000	21.15	165000	27.94	167000	31.44
02	B00D35	222000	21.17	219000	27.97	233000	31.47
03	B00D42	227000	21.17	225000	27.96	241000	31.46
04	B00D50	156000	21.17	146000	27.96	145000	31.46
05	B00D60	225000	21.19	228000	27.99	239000	31.49
06	B00D62	183000	21.17	167000	27.94	169000	31.46
07	SBLKDC	148000	21.17	130000	27.96	119000	31.46

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

C 112

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0434_____ Date Analyzed: 12/14/90

Instrument ID: BNA2____ Time Analyzed: 0923____

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	143000	21.22	128000	27.99	147000	31.49
	UPPER LIMIT	286000		256000		294000	
	LOWER LIMIT	71500		64000		73500	
	EPA SAMPLE NO.						
01	B00B53	177000	21.17	179000	27.97	186000	31.49
02	B00D46	125000	21.17	106000	27.96	114000	31.46
03	B00D54	156000	21.17	141000	27.97	146000	31.47
04	B00D58	130000	21.17	113000	27.96	114000	31.46
05	B00D66	149000	21.19	134000	27.97	127000	31.47
06	B00D54MS	155000	21.19	147000	27.97	150000	31.47
07	B00D54MSD	124000	21.19	113000	27.96	115000	31.47
08	SBLKDD	155000	21.17	143000	27.97	139000	31.47

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

C113

WHC-MR-0299

SC

SEMIVOLATILES INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0446_____ Date Analyzed: 12/15/90

Instrument ID: BNA2____ Time Analyzed: 2111____

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	153000	21.19	128000	27.97	139000	31.47
	UPPER LIMIT	306000		256000		278000	
	LOWER LIMIT	76500		64000		69500	
	EPA SAMPLE NO.						
01	B00D70	116000	21.15	105000	27.94	99300	31.44
02	B00D74	86600	21.14	73500	27.92	70900	31.42
03	B00D78	186000	21.17	148000	27.94	134000	31.46
04	B00D82	165000	21.17	137000	27.94	128000	31.44
05	B00D89	122000	21.15	102000	27.94	94500	31.42
06	B00DF5	139000	21.17	112000	27.94	101000	31.44
07	B00DG4	114000	21.15	101000	27.94	94200	31.44

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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C114

WHC-MR- 0299 8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: PNELI_____ Contract: WESTINGHOUS _____

Lab Code: PNELI__ Case No.: 2795__ SAS No.: _____ SDG No.: 2795__

Lab File ID (Standard): D0476_____ Date Analyzed: 12/18/90

Instrument ID: BNA2____ Time Analyzed: 1428____

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	113000	21.24	99600	28.02	116000	31.52
	UPPER LIMIT	226000		199200		232000	
	LOWER LIMIT	56500		49800		58000	
	EPA SAMPLE NO.						
01	B00DK3	140000	21.19	123000	27.99	113000	31.49
02	SBLKDG	137000	21.20	119000	27.99	113000	31.49

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk