LK7544-IAS

0048026

LOCKHEED MARTIN

Lockheed Analytical Services

SEP 1996
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Data
Log In

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OCT 1997
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ANALYTICAL DATA REPORT

FOR

METALS, IGNITABILITY, pH, SULFIDE, CYANIDE,
VOLATILE, SEMIVOLATILE, AND
PESTICIDE/PCB ORGANICS

LOG-IN NUMBER:	L7544/L7562/L7631
QUOTATION NUMBER:	Q400000-B
SAF:	B96-140
DOCUMENT FILE NUMBER:	0730596A 0801586A/0807596
BHI DOCUMENT FILE NO.:	396
SDG NUMBER:	LK7544

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Lockheed Analytical Services
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LOCKHEED MARTIN

September 27, 1996

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Data
Log In

Ms. Joan Kessner
Bechtel Hanford, Inc.
3350 George Washington Way
MISN B1-35
Richland, WA 99352

RE:	Log-in No.:	L7544/L7562/L7631
	Quotation No.:	Q400000-B
	SAF:	B96-140
	Document File No.:	0730596A/0801596A/0807596
	BHI Document File No.:	396
	SDG No.:	LK7544

The attached data report contains the analytical results of samples that were submitted to Lockheed Analytical Services on July 30, August 1, and August 7, 1996. The temperatures of the coolers upon receipt were 26, 25, 24, 4, 5, and 19°C. Sample containers received did not all coincide with the chain-of-custody documentation. All sample containers were received intact. Samples were received in time to meet the analytical holding time requirements.

The case narratives included in the following attachments provide a detailed description of all events that occurred during sample preparation, analysis, and data review specific to the samples and analytical methods requested.

A list of data qualifiers, chain-of-custody forms, sample receiving checklist, and log-in report are also enclosed representing the samples received within this group.

" I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manger or a designee, as verified by the following signature."

If you have any questions concerning the analysis or the data please call Mary Wolf at (702) 361-3955, ext 311. If you are unable to contact the Client Services Representative, please call Mary B. Ford, Client Services Manager, at extension 326.

Release of this data report has been authorized by the Laboratory Director or the Director's designee as evidenced by the following signature.

Sincerely,

Mary K. Wolf

Mary K. Wolf
Client Services Representative

cc: Client Services
Document Control

CASE NARRATIVE
INORGANIC NON METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), matrix spike (predigestion) sample(s), duplicate sample(s).

Preparation and Analysis Requirements

- Nine liquid waste samples were for LK7544 and analyzed in batch 730 bh1 for selected analytes to be analyzed in client-specified order as requested on the chain of custody. Quality control analysis was performed on the following samples:

Client ID	LAL #		Method
BOHXT0	L7544-19	DUP, MS	335.2 Total Cyanide
		DUP, MS	9030 Sulfide
BOHXT1	L7544-11	DUP	9041 pH
N/A	N/A	N/A	1010 Ignitability

Holding Time Requirements

- The samples were received and analyzed within method-specific holding time except for the following:

  For Method 9041 pH the samples were received and analyzed outside of the method-specific holding time and the associated samples are flagged with an "H".

  For Method 335.2 Total Cyanide and Method 9030 Sulfide, due to the client-specified sequence of analyses, these samples were analyzed outside of the method-specific holding time and the associated samples are flagged with an "H".

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits.

Sample Results

- For Method 335.2 Total Cyanide and 9030 Sulfide the samples were logged in with a matrix of liquid waste. However, as the samples were oil and grease, the matrix spike, sample duplicate and samples are reported in mg/kg.

Kay McCann
Prepared By

September 4, 1996
Date

CASE NARRATIVE
INORGANIC NON METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), matrix spike (predigestion) sample(s), duplicate sample(s).

Preparation and Analysis Requirements

- Seven liquid waste samples were received for LK7562 and analyzed in batches 730 bh1 and 801 bh for selected analytes to be analyzed in client-specified order as requested on the chain of custody. Quality control analysis was performed on the following samples:

Client ID	LAL #		Method
Liquid Waste			
BOHXT1	L7562-11	DUP	9041 pH
BOHXT3	L7562-3	DUP	1010 Ignitability

Holding Time Requirements

- The samples were received and analyzed within method-specific holding time except for the following:

  For Method 9041 pH and Method 1010 Ignitability, due to the client-specified sequence of analyses, these samples were analyzed outside of the method-specific holding time and the associated samples are flagged with an "H".

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits.

Sample Results

- Due to the organic liquid matrix of the samples (oil, solvents, etc.) Method 9041 pH was used instead of Method 9040 pH.

Kay McCann
Prepared By

September 5, 1996
Date

CASE NARRATIVE
INORGANIC NON METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), matrix spike (predigestion) sample(s), duplicate sample(s).

Preparation and Analysis Requirements

- Four liquid waste samples were for LK7631 and analyzed in batch 807 bh for selected analytes as requested on the chain of custody. Quality control analysis was performed on the following samples:

Client ID	LAL #		Method
BOHXT8	L7631-5	DUP, MS	335.2 Total Cyanide
		DUP	9041 pH
BOHXT3	L7631-1	DUP, MS	9030 Sulfide
N/A	N/A	N/A	1010 Ignitability

Holding Time Requirements

- The samples were received and analyzed within method-specific holding time except for the following:

  For Method 9030 Sulfide and Method 9041 pH the samples were received and analyzed outside of the method-specific holding time and the associated sample is flagged with an "H".

  For Method 335.2 Total Cyanide were analyzed four days outside of the method-specific holding time and the associated sample is flagged with an "H".

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits.

Kay McCann
Prepared By

August 28, 1996
Date

CASE NARRATIVE
INORGANIC METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), and duplicate sample(s).

Preparation and Analysis Requirements

All samples were received on July 30, 1996. The samples were logged in as L7544 and were prepared and analyzed in batch 730 bh1 for TCLP metals. The samples were analyzed by Method 6010A ICP Trace and Method 7470 Mercury.

Holding Time Requirements

- All samples were analyzed within the method-specific holding times.

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits.

Sample Results

- The liquid waste samples were prepared as a solid and the density was determined in order to report the results in mg/L.

Shellee McGrath
Prepared By

August 21, 1996
Date

CASE NARRATIVE
INORGANIC METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), and duplicate sample(s).

Preparation and Analysis Requirements

All samples were received on August 1, 1996. The samples were logged in as L7562 and were prepared and analyzed in batch 801 bh for TCLP metals. The samples were analyzed by Method 6010A ICP Trace and Method 7470 Mercury.

Holding Time Requirements

- All samples were analyzed within the method-specific holding times.

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits with the following exception: The duplicate sample precision for arsenic was outside of acceptance limits. All associated samples are flagged with an "*".

Sample Results

- The liquid waste samples were prepared as a solid and the density was determined in order to report the results in mg/L.

Shellee McGrath
Prepared By

September 27, 1996
Date

CASE NARRATIVE
INORGANIC METALS ANALYSES

The routine calibration and quality control analyses performed for this batch include as applicable: instrument tune (ICP/MS only), initial and continuing calibration verification, initial and continuing calibration blanks, method blank(s), laboratory control sample(s), ICP interference check samples (ICP only), serial dilutions, analytical (post-digestion) spike samples, matrix spike (predigestion) sample(s), and duplicate sample(s).

Preparation and Analysis Requirements

All samples were received on August 7, 1996. The samples were logged in as L7631 and were prepared and analyzed in batch 807 bh for TCLP metals. The samples were analyzed by Method 6010A ICP Trace and Method 7470 Mercury.

Holding Time Requirements

- All samples were analyzed within the method-specific holding times.

Method Blanks

- The concentration levels of all the requested analytes in the method blank were below the reporting detection limits.

Internal Quality Control

- All Internal Quality Control were within acceptance limits.

Sample Results

- The liquid waste samples were prepared as a solid and the density was determined in order to report the results in mg/L.

Shellee McGrath
Prepared By

September 25, 1996
Date

CASE NARRATIVE
ORGANIC ANALYSES

Analytical Method 8240

The associated samples were analyzed in five analytical batches. All associated tunes, initial and continuing calibrations met criteria. All samples met internal standard area counts and retention times method criteria.

Analytical Batch 080296-8260-C1

NOTE: Client sample B0HXS4 (L7544-37) was the native sample used for the Matrix Spike (39682MS-1) and Matrix Spike Duplicate (39682MSD-1).

The 39682MS-1, 39682MSD-1, and Laboratory Control Sample (39682LCS-1) contained several compounds in addition to the five (5) required spike compounds.

All of the samples in this analytical batch were prepared by weight using a medium level extraction method due to their insolubility in water. The concentrations were converted back to liquid units using each samples' density.

The samples were analyzed within the required holding time on August 2 and 3, 1996. Acetone and 2-Butanone were detected in the Method Blank (39682MB-1). All associated samples with detected target compounds as in the 39682MB-1 were flagged with the Qualifier B. Surrogate recoveries were within QC limits except in the 39682MS-1 and Toluene-d8 and Bromofluorobenzene in samples B0HXS4 (L7544-37), B0HXS5 (L7544-38), B0HXS6 (L7544-39), and 39682MSD-1 due to matrix effect. Client samples B0HXS4 (L7544-37), B0HXS5 (L7544-38), and B0HXS6 (L7544-39) were reanalyzed in analytical batch 080496-8260-C1 with similar results. All analyses results were reported in this data package. Compound recoveries were outside of QC limits in the 39682MS-1 due to matrix effect. Compound recoveries were within QC limits in the 39682MSD-1 and 39682LCS except for Toluene in the 39682MSD-1 due to matrix effect. The Relative Percent Differences (RPDs) between the 39682MS-1 and 39682MSD-1 recoveries were outside of QC limits due to matrix effect. Ethylbenzene, m,p-Xylene, and o-Xylene exceeded the calibration range in client sample B0HXS5 (L7544-38). This sample was diluted and reanalyzed in analytical batch 080496-8260-C1 and was compliant. All analyses results were reported in this data package.

Analytical Batch 080496-8260-C1

NOTE: Client sample B0HXS8 (L7544-40) was the native sample used for the 39737MS and 39737MSD.

The 39737MS, 39737MSD, 39737LCS, and 39737LCS-3 contained several compounds in addition to the five (5) required spike compounds.

The samples were analyzed within the required holding time on August 4, 1996. There were no target compounds detected in the 39737MB and 39737MB-3. Surrogate recoveries were within QC limits except for Toluene-d8 and Bromofluorobenzene in the reanalyzed client samples B0HXS4 (L7544-37) and B0HXS6 (L7544-39) and Toluene-d8 in the reanalyzed client sample B0HXS5 (L7544-38) due to matrix effect. Compound recoveries were within QC limits in the 39737MS, 39737MSD, 39737LCS, and 39737LCS-3. The RPDs between the 39737MS and 39737MSD recoveries were within QC limits. Acetone exceeded the calibration range in samples B0HXS8 (L7544-40), 39737MS, and 39737MSD. Client sample B0HXS8 (L7455-40) was not diluted and reanalyzed due to a lack of sample volume. Acetone and 2-Butanone exceeded the calibration range in client samples B0HXS3 (L7544-42) and B0HXS7 (L7544-43). Client samples B0HXS3 (L7544-42) and B0HXS7 (L7544-43) were diluted and reanalyzed in analytical batch 080596-8260-E1 and were compliant. All analyses results were reported in this data package.

Analytical Batch 080596-8260-E1

NOTE: The 39810LCS contained several compounds in addition to the five (5) required spike compounds.

The samples were analyzed within the required holding time on August 5, 1996. Acetone and 2-Hexanone were detected in the 39810MB. All associated samples with detected target compounds as in the 39810MB were flagged with the Qualifier B. Surrogate recoveries were within QC limits. Compound recoveries were within QC limits in the 39810LCS. Refer to analytical batch 080496-8260-C1 for the associated 39737MS and 39737MSD results.

Analytical Batch 080896-8260-E1

NOTE: The 39998LCS and 39998LCS-1 contained several compounds in addition to the five (5) required spike compounds.

Client samples B0HXV2 (L7562-2) and B0HXT4 (L7562-3) were prepared by weight using a medium level extraction method due to their insolubility in water. The concentrations were converted back to liquid units using each samples' density.

Client sample B0HXT4 (L7562-3) was not analyzed less dilute due to the sample matrix and the possibility of instrument contamination. All other samples were initially diluted in water due to the samples' matrix.

All sample containers had large amounts of headspace prior to preparation and analysis.

The samples were analyzed within the required holding time on August 8 and 9, 1996. Methylene Chloride, 2-Butanone, 2-Hexanone, and 1,1,2,2-Tetrachloroethane were detected in the 39998MB. All associated samples with detected target compounds as in the 39998MB were flagged with the Qualifier B. Methylene Chloride was detected in the 39998MB-1. All associated samples with a detected target compound as in the 39998MB-1 were flagged with the Qualifier B. Surrogate recoveries were within QC limits except in client sample B0HXT4 (L7562-3) and Toluene-d8 and Bromofluorobenzene in client sample B0HXV2 (L7562-2) due to the required dilution factors. Compound recoveries were within QC limits in the 39998LCS and 39998LCS-1. Refer to analytical batch 080496-8260-C1 for the associated 39737MS and 39737MSD results.

Analytical Batch 081296-8260-E1

NOTE: Client sample B0HXT8 (L7631-5) was the native sample used for the 40052MS and 40052MSD.

The 40052MS, 40052MSD, 40052LCS, and 40052LCS-1 contained several compounds in addition to the five (5) required spike compounds.

The 40052MS and 40052MSD were analyzed slightly outside of the native sample B0HXT8 (L7631-5) required holding time.

Client sample B0HXT3 (L7631-1) was prepared by weight using a medium level extraction method due to its insolubility in water. The concentration was converted back to liquid units using the sample density.

All sample containers had large amounts of headspace prior to preparation and analysis.

The samples were analyzed within the required holding time on August 12 and 13, 1996. 2-Hexanone and 1,1,2,2-Tetrachloroethane were detected in the 40052MB. All associated samples with detected target compounds as in the 40052MB were flagged with the Qualifier B. Methylene Chloride, 2-Hexanone, and 1,1,2,2-Tetrachloroethane were detected in the 40052MB-1. All associated samples with detected target compounds as in the 40052MB-1 were flagged with the Qualifier B. Surrogate recoveries were within QC limits. Compound recoveries were within QC limits in the 40052MS and 40052MSD except for 1,1-Dichloroethene and Trichloroethene due to matrix effect. Compound recoveries were within QC limits in the 40052LCS and 40052LCS-1. The RPDs between the 40052MS and 40052MSD recoveries were within QC limits. Acetone exceeded the calibration range in samples B0HXT6 (L7631-3), 40052MS, and 40052MSD. Acetone and 2-Butanone exceeded the calibration range in client sample B0HXV0 (L7631-6). Client sample B0HXV0 (L7631-6) was diluted and reanalyzed in this analytical batch with 2-Butanone still exceeding the calibration range. All analyses results were reported in this data package. Client samples B0HXT6 (L7631-3) and B0HXV0 (L7631-6) were not further reanalyzed due to the samples matrix. Both Ketones appeared to be linear at the exceeded concentrations.

Analytical Method 8270

The associated samples were analyzed in six analytical batches. All associated tunes, initial and continuing calibrations met criteria.

Analytical Batch 082196-8270-A

NOTE: Client sample B0HXT1 (L7544-46), which was analyzed in analytical batch 082296-8270-A, was the native sample used for the 39859MS and 39859MSD.

Client sample B0HXT5 (L7562-4) was the native sample used for the 39927MS and 39927MSD.

The 39859MS and 39859MSD contained bis(2-Ethylhexyl)phthalate in addition to the eleven (11) required spike compounds.

The samples were extracted within the required holding time on August 6 and 14, 1996 and analyzed within the required holding time on August 21, 1996. There were no target compounds detected in the 39859MB and 39927MB. Surrogate recoveries were within QC limits except for 2-Fluorophenol and Nitrobenzene-d5 in samples B0HXS9 (L7544-56), B0HXS3 (L7544-58), 39859MB, and 39859MS; 2-Fluorophenol, Nitrobenzene-d5, and 2-Fluorobiphenyl in client sample B0HXS7 (L7544-60); 2-Fluorophenol, Nitrobenzene-d5, 2-Fluorobiphenyl, and Terphenyl-d14 in client sample B0HXT2 (L7562-1); 2-Fluorophenol in samples B0HXV2 (L7562-2) and 39859MSD; and 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, and 2-Fluorobiphenyl in client sample B0HXT7 (L7562-5). Compound recoveries were within QC limits in the 39859MS, 39859MSD, and 39859LCS except for N-Nitroso-di-n-propylamine and Pyrene in the 39859MS and 39859MSD and Pyrene in the 39859LCS. The RPDs between the 39859MS and 39859MSD recoveries were within QC limits. Compound recoveries were within QC limits in the 39927MS, 39927MSD, and 39927LCS except for Pyrene. The RPDs between the 39927MS and 39927MSD recoveries were within QC limits. All samples met internal standard area counts and retention times method criteria except for the area counts of 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, and Phenanthrene-d10 in client sample B0HXT2 (L7562-1) and the area count of Perylene-d12 in client sample B0HXT9 (L7562-6). Due to the associated circumstances, samples B0HXS9 (L7544-56), B0HXS3 (L7544-58), B0HXS7 (L7544-60), B0HXT2 (L7562-1), B0HXV2 (L7562-2), B0HXT7 (L7562-5), B0HXT9 (L7562-6), 39859MB, 39859MS, 39927MS, 39859MSD, 39927MSD, 39859LCS, and 39927LCS were reanalyzed in analytical batch 082496-8270-A. All analyses results were reported in this data package.

Analytical Batch 082296-8270-A

The samples were extracted within the required holding time on August 6, 1996 and analyzed within the required holding time on August 22, 1996. Surrogate recoveries were within QC limits except for 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, and 2-Fluorobiphenyl in client sample B0HXT0 (L7544-45) and 2-Fluorophenol, Nitrobenzene-d5, and 2-Fluorobiphenyl in client samples B0HXT1 (L7544-46) and B0HXS8 (L7544-54). Refer to analytical batch 082196-8270-A for the associated QC (39859MB, 39859MS, 39859MSD, and 39859LCS) results. All samples met internal standard area counts and retention times method criteria except for the area count of Perylene-d12 in client sample B0HXS8 (L7544-54). Due to the associated circumstances, client samples B0HXT0 (L7544-45), B0HXT1 (L7544-46), and B0HXS8 (L7544-54) were reanalyzed in analytical batch 082496-8270-A. All analyses results were reported in this data package.

Analytical Batch 082496-8270-A

NOTE: The reanalyzed 39859MS and 39859MSD contained bis(2-Ethylhexyl)phthalate in addition to the eleven (11) required spike compounds.

Client sample B0HXV1 (L7562-7) had Dimethylphthalate slightly exceed the calibration range due to low internal standard recoveries caused by matrix interference. This sample was reanalyzed in analytical batch 082696-8270-A with similar results. All analyses results were reported in this data package.

The samples were extracted within the required holding time on August 6 and 7, 1996 and analyzed within the required holding time on August 24, 1996. There were no target compounds detected in the reanalyzed 39859MB. Surrogate recoveries were within QC limits except for 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, and 2-Fluorobiphenyl in the reanalyzed samples B0HXT0 (L7544-45), B0HXS9 (L7544-56), 39859MS, and 39859MSD; 2-Fluorophenol, Nitrobenzene-d5, and 2-Fluorobiphenyl in the reanalyzed samples B0HXS3 (L7544-58), 39859MB, 39927MS, 39927MSD, and 39859LCS; 2-Fluorophenol, Nitrobenzene-d5, 2-Fluorobiphenyl, and Terphenyl-d14 in the reanalyzed client sample B0HXS7 (L7544-60) and B0HXV2 (L7562-2); 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, and Terphenyl-d14 in the reanalyzed client sample B0HXT2 (L7562-1); and 2-Fluorophenol and Phenol-d5 in the reanalyzed client sample B0HXT7 (L7562-5). Compound recoveries were within QC limits in the reanalyzed 39859MS/39859MSD and 39927MS/39927MSD except for N-Nitroso-di-n-propylamine, Acenaphthene, and Pyrene. Compound recoveries were within QC limits in the reanalyzed 39859LCS and 39927LCS except for Acenaphthene and Pyrene. The RPDs between the reanalyzed 39859MS/39859MSD and 39927MS/39927MSD recoveries were within QC limits. All samples met internal standard area counts and retention times method criteria except for the area counts of 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, and Phenanthrene-d10 in the reanalyzed client sample B0HXT2 (L7562-1); the area counts of

Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12, and Perylene-d12 in the reanalyzed client sample B0HXT9 (L7562-6) and in client sample B0HXV1 (L7562-7); all of the area counts in the reanalyzed client samples B0HXT0 (L7544-45) and B0HXT1 (L7544-46); and the area counts of Chrysene-d12 and Perylene-d12 in the reanalyzed client sample B0HXS8 (L7544-54) due to matrix effect.

Analytical Batch 082696-8270-A

NOTE: Client sample B0HXS6 (L7544-52) was the native sample used for the 39850MS and 39850MSD.

The reanalyzed client sample B0HXV1 (L7562-7) had Dimethylphthalate slightly exceed the calibration range due to low internal standard recoveries caused by matrix interference. This sample was originally analyzed in analytical batch 082496-8270-A with similar results. All analyses results were reported in this data package.

The samples were extracted within the required holding time on August 6 and 12, 1996 and analyzed within the required holding time on August 26, 1996. Refer to analytical batch 082796-8270-A2 for the associated 39850MB and 39850LCS results. Refer to analytical batches 082196-8270-A and 082496-8270-A for the associated 39859MB results. Refer to analytical batch 082796-8270-A2 for the associated 40119MB and 40119LCS results. Surrogate recoveries were within QC limits except for Terphenyl-d14 in client samples B0HXS4 (L7544-48) and B0HXS5 (L7544-50); Nitrobenzene-d5 and 2-Fluorobiphenyl in samples B0HXS6 (L7544-52) and 39850MSD; 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, and 2,4,6-Tribromophenol in client sample B0HXT4 (L7562-3); 2-Fluorophenol in client sample B0HXT3 (L7631-1); 2-Fluorophenol, 2-Fluorobiphenyl, and Terphenyl-d14 in client sample B0HXT6 (L7631-3); 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, and 2,4,6-Tribromophenol in client sample B0HXT8 (L7631-5); 2-Fluorophenol, Phenol-d5, and 2,4,6-Tribromophenol in client sample B0HXV0 (L7631-6); and 2-Fluorobiphenyl in the 39850MS due to matrix effect. Compound recoveries were within QC limits in the 39850MS and 39850MSD. The RPDs between the 39850MS and 39850MSD recoveries were within QC limits. All samples were outside of the method criteria for the internal standard area counts due to matrix effect. All samples met retention times method criteria except for 1,4-Dichlorobenzene-d4 and Naphthalene-d8 in client sample B0HXT8 (L7631-5) due to matrix effect. Due to the associated circumstances, samples B0HXS5 (L7544-50), B0HXS6 (L7544-52), B0HXT4 (L7562-3), B0HXT3 (L7631-1), B0HXT6 (L7631-3), B0HXT8 (L7631-5), B0HXV0 (L7631-6), 39850MS, and 39850MSD were reanalyzed in analytical batch 082796-8270-A2. Due to the associated circumstances, client sample B0HXS4 (L7544-48) was reanalyzed in analytical batch 082996-8270-A. All analyses results were reported in this data package.

Analytical Batch 082796-8270-A2

NOTE: Client sample B0HXV0 (L7631-6) was the native sample used for the 40119MS and 40119MSD.

The 39850LCS contained 1,2-Dichlorobenzene in addition to the eleven (11) required spike compounds.

The samples were extracted within the required holding time on August 6 and 12, 1996 and analyzed within the required holding time on August 27 and 28, 1996. There were no target compounds detected in the 39850MB and 40119MB. Surrogate recoveries were within QC limits except for Terphenyl-d14 in the reanalyzed client sample B0HXS5 (L7544-50); Nitrobenzene-d5 and 2-Fluorobiphenyl in the reanalyzed samples B0HXS6 (L7544-52), 39850MS, and 39850MSD; 2-Fluorophenol, Phenol-d5, and Nitrobenzene-d5 in the reanalyzed client sample B0HXT4 (L7562-3); 2-Fluorophenol, Phenol-d5, 2-Fluorobiphenyl, and Terphenyl-d14 in the reanalyzed client sample B0HXT6 (L7631-3); 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, and 2,4,6-Tribromophenol in the reanalyzed client sample B0HXT8 (L7631-5); 2-Fluorophenol and Phenol-d5 in the reanalyzed client samples B0HXT3 (L7631-1) and B0HXV0 (L7631-6) and in the 40119MS and 40119MSD; and 2-Fluorophenol in the 40119MB. Compound recoveries were within QC limits in the reanalyzed 39850MS, 39850MSD, and 39850LCS. The RPDs between the reanalyzed 39850MS and 39850MSD recoveries were within QC limits except for 4-Chloro-3-methylphenol and Pentachlorophenol. Compound recoveries were within QC limits in the 40119MS, 40119MSD, and 40119LCS except for 2-Chlorophenol and 4-Nitrophenol in the 40119MS and 2-Chlorophenol, Pentachlorophenol, and Pyrene in the 40119MSD. The RPDs between the 40119MS and 40119MSD recoveries were within QC limits except for 2-Chlorophenol, 4-Nitrophenol, and Pentachlorophenol. bis(2-chloroisopropyl)ether exceeded the calibration range in the reanalyzed client sample B0HXV0 (L7631-6). 4-Chloro-3-methylphenol, 4-Nitrophenol, and Pentachlorophenol exceeded the calibration range in the 39850LCS. All samples met internal standard area counts and retention times method criteria except for the area counts of Chrysene-d12 and Perylene-d12 in the reanalyzed client sample B0HXS5 (L7544-50); the area counts of Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12, and Perylene-d12 in the reanalyzed samples B0HXS6 (L7544-52), 39850MS, and 39850MSD; the area counts of Naphthalene-d8, Acenaphthene-d10, and Phenanthrene-d10 in the reanalyzed client sample B0HXT3 (L7631-1); the area counts of 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, and Phenanthrene-d10 in the reanalyzed client sample B0HXT6 (L7631-3); all area counts and the retention times of 1,4-Dichlorobenzene-d4 and Naphthalene-d8 in the reanalyzed client sample B0HXT8 (L7631-5); and the area counts in the reanalyzed client samples B0HXT4 (L7562-3) and B0HXV0 (L7631-6); and the area counts of 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, and Perylene-d12 in the 40119MS and 40119MSD.

Analytical Batch 082996-8270-A

Client sample B0HXS4 (L7544-48) was extracted within the required holding time on August 6, 1996 and reanalyzed within the required holding time on August 29, 1996. Surrogate recoveries were within QC limits except for Terphenyl-d14. Refer to analytical batch 082796-8270-A2 for the associated 39850MB and 39850LCS results. Refer to analytical batches 082696-8270-A and 082796-8270-A2 for the associated 39850MS and 39850MSD results. Client sample B0HXS4 (L7544-48) met internal standard area counts and retention times method criteria except for the area count of Perylene-d12.

Analytical Method 8080 Pesticides/PCBs

The associated samples were analyzed in five analytical batches.

Analytical Batch 081696-8080-C-1

NOTE: Client sample B0HXT5 (L7562-4) was the native sample used for the 39928MS and 39928MSD.

The 39928MS, 39928MSD, and 39928LCS contained several compounds in addition to the six (6) required spike compounds.

The samples in QC Group 8080 PEST/PCBs_39928 were analyzed twice with similar results. Only the second analysis will be reported. Low surrogate recoveries and low matrix spike recoveries are attributed to a difficult sample matrix. The extraction sheet notes that samples B0HXT5 (L7562-4), 39928MS, and 39928MSD formed emulsions during extraction making them difficult to extract.

Continuing calibrations on both columns following the samples have responses that are below criteria. The samples analyzed in this batch were analyzed in a previous analytical batch. The ending continuings for the initial analysis also had responses below criteria. The low continuing responses are attributed to sample matrix affect on the chromatographic system.

The samples were extracted within the required holding time on August 7, 1996 and analyzed within the required holding time on August 17, 1996. All initial and continuing calibrations met criteria except for all of the compounds in the ending continuing calibration. There were no compounds detected in client sample B0HXT5 (L7562-4) and we believe that data quality was unaffected. There were no target compounds detected in the 39928MB. Surrogate recoveries were within QC limits except in samples B0HXT5 (L7562-4), 39928MS, and 39928MSD due to matrix effect. Compound recoveries were outside of QC limits in the 39928MS and 39928MSD due to matrix effect. Compound recoveries were within QC limits in the 39928LCS. The RPDs between the 39928MS and 39928MSD recoveries were outside of QC limits due to matrix effect.

Analytical Batch 080596-8080-E-3

NOTE: Client sample B0HXS6 (L7544-70) was the native sample used for the 39840MS and 39840MSD.

The 39840MS, 39840MSD, and 39840LCS contained several compounds in addition to the six (6) required spike compounds.

The samples were extracted within the required holding time on August 6, 1996 and analyzed within the required holding time on August 7, 1996. All initial and continuing calibrations met criteria except for 4,4'-DDD, Methoxychlor, and D-BHC in the ending continuing calibration. These compounds were not detected in the associated client samples and we believe that data quality was unaffected. There were no target compounds detected in the 39840MB. Surrogate recoveries were within QC limits. Compound recoveries were within QC limits in the 39840MS, 39840MSD, and 39840LCS. The RPDs between the 39840MS and 39840MSD recoveries were within QC limits.

Analytical Batch 081696-8080-E-1

NOTE: Client sample B0HXT8 (L7631-5) was the native sample used for the 40117MS and 40117MSD.

The 40117MS, 40117MSD, and 40117LCS contained several compounds in addition to the six (6) required spike compounds.

The samples were extracted within the required holding time on August 12, 1996 and analyzed within the required holding time on August 17, 1996. All initial and continuing calibrations met criteria. There were no target compounds detected in the 40117MB. Surrogate recoveries were within QC limits except in client samples B0HXT6 (L7631-3) and B0HXV0 (L7631-6) and DCB in samples B0HXT8 (L7631-5), 40117MS, and 40117MSD due to matrix effect. Compound recoveries were outside of QC limits in the 40117MS and 40117MSD except for G-BHC in the 40117MS and G-BHC and Aldrin in the 40117MSD due to matrix effect. Compound recoveries were within QC limits in the 40117LCS. The RPDs between the 40117MS and 40117MSD recoveries were outside of QC limits except for G-BHC due to matrix effect.

Analytical Batch 081696-8080-J-1

NOTE: Client sample B0HXS9 (L7544-74) was the native sample used for the 39841MS and 39841MSD.

The 39841MS, 39841MSD, and 39841LCS contained several compounds in addition to the six (6) required spike compounds.

The samples were extracted within the required holding time on August 6, 1996 and analyzed within the required holding time on August 17, 1996. All initial and continuing calibrations met criteria except for all of the compounds in the ending continuing calibration. There were no compounds detected in the associated client samples and we believe that data quality was unaffected. There were no target compounds detected in the 39841MB. Surrogate recoveries were within QC limits except in client sample B0HXV2 (L7562-2) and DCB in client samples B0HXS7 (L7544-78), B0HXT2 (L7562-1), and B0HXT7 (L7562-5) due to matrix effect. Compound recoveries were within QC limits in the 39841MS and 39841MSD except for Heptachlor, 4,4'-DDT, and Endrin in the 39841MS and Heptachlor and Endrin in the 39841MSD due to matrix effect. Compound recoveries were within QC limits in the 39841LCS. The RPDs between the 39841MS and 39841MSD recoveries were within QC limits except for 4,4'-DDT due to matrix effect.

Analytical Batch 081696-8080-J-3

The samples were extracted within the required holding time on August 6, 1996 and analyzed within the required holding time on August 19, 1996. All initial and continuing calibrations met criteria except for Endosulfan I, Endrin, Heptachlor Epoxide, A-Chlordane, Endosulfan II, Endrin Aldehyde, and Endosulfan Sulfate in the beginning continuing and all of the compounds in the ending continuing calibrations. There were no compounds detected in the associated client samples and we believe that data quality was unaffected. Surrogate recoveries were outside of QC limits except for TCMX in client sample B0HXV1 (L7562-7) due to matrix effect. Refer to analytical batch 081696-8080-J-1 for the associated QC (39841MB, 39841MS, 39841MSD, 39841LCS) results.

Prepared By
Patricia Lonergan

September 27, 1996

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST L7544	B96-140-1 Page 1 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: SML-192	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.:	Bill of Lading/Air Bill No.:

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	~~3~~ 1	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml
SAMPLE ANALYSIS	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions.

Sample No.	Matrix *	Sample Date	Sample Time	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions.
BOHXTO	L	7-23-96	1420	X		X		X		X		X	
BOHXTI	L	7-23-96	1435	X		X		X		X		X	

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-24-96/0620	D.St. John ITH / David Sogor	7/24/96 0620
D.St. John ITH / David Sogor	7-24-96 0730	ER / B.Whitten	0730 7-24-96
ER / B.Whitten	0900 7-24-96		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

Matrix *
- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By	Title	Date/Time
	Paul Davis	Sample Custodian	7-30-96/16:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0730596A

8 70 7-23-96

Bechtel Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B96-140-9 | Page 1 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: SML-192	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None						
Type of Container	aG	G/P	aG	P	aG						
No. of Container(s)	1	1	1	1	1						
Volume	500ml	1000ml	500ml	1000ml	500ml						
SAMPLE ANALYSIS	See item (2) in Special Instructions	Cyanide (Total) - 335.2	Cyanide (Total) - 335.2	Sulfides - 9030	Sulfides - 9030						

Sample No.	Matrix *	Sample Date	Sample Time										
BOHXT0	L	7-23-96	1430	X		X		X					
BOHXT1	L	7-23-96	1435	X		X		X					

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-24-96/0620	D. St. John ITH / Don St John	7/24/96 0620
Don St John ITH	7-24-96 0730	Bill Bulitton EMC	0730 7-24-96
Bill Bulitton EMC	0900 7-24-96		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

DUE TO SHIPPING REQUIREMENTS, THE ERC CONTRACTOR ACKNOWLEDGES THE HOLDING TIME FOR SULFIDES BY EPA9030 MAY NOT BE MET BW 7-25-96

Matrix *

S	-	Soil
SE	-	Sediment
SO	-	Solid
SL	-	Sludge
W	-	Water
O	-	Oil
A	-	Air
DS	-	Drum Solids
DL	-	Drum Liquids
T	-	Tissue
WI	-	Wipe
L	-	Liquid
V	-	Vegetation
X	-	Other

LABORATORY SECTION — Received By: Paula Dawe — Title: Sample custodian — Date/Time: 7-30-96/16:00

FINAL SAMPLE DISPOSITION — Disposal Method — Disposed By — Date/Time

0130574

8900

Bechtel Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B96-140-1

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: ERC-FS-002 / SNL-438	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	2 KG, 1 [illegible]	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions.
BOHXS3	L	7-23-96	1015	X		X		X		X		X	
BOHXS4	L	7-23-96	1035	X		X		X		X		X	
BOHXS5	L	7-23-96	1245	X		X		X		X		X	
BOHXS6	L	7-23-96	1310	X		X		X		X		X	
BOHXS7	L	7-23-96	1300	X		X		X		X		X	
BOHXS8	L	7-23-96	1345	X		X		X		X		X	
BOHXS9	L	7-23-96	1402	X		X		X		X		X	

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-24-96/0620	[illegible]	7/24/96 0620
D Sa John Jr	7-24-96 0730	ERC [illegible] Bakitton	0730 7-24-96
ERC [illegible] Bakitton	0900 7-24-96		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

Matrix *

S	=	Soil
SE	=	Sediment
SO	=	Solid
SL	=	Sludge
W	=	Water
O	=	Oil
A	=	Air
DS	=	Drum Solids
DL	=	Drum Liquids
T	=	Tissue
WI	=	Wipe
L	=	Liquid
V	=	Vegetation
X	=	Other

LABORATORY SECTION — Received By: [illegible] Title: Sample Custodian Date/Time: 7-30-96/16:00

FINAL SAMPLE DISPOSITION — Disposal Method: Disposed By: Date/Time:

0730596A

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-1	Page 2 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: ERC-FS-002 / SML-439	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None							
Type of Container	aG	G/P	aG	P	aG							
No. of Container(s)	1	1	1	1	1							
Volume	500ml	1000ml	500ml	1000ml	500ml							
SAMPLE ANALYSIS	See item (2) in Special Instructions	Cyanide (Total) - 335.2	Cyanide (Total) - 335.2	Sulfides - 9030	Sulfides - 9030							

Sample No.	Matrix *	Sample Date	Sample Time										
~~BOHXS3~~	~~L~~	~~7-23-96~~	~~1015~~	~~X~~	BW 7-24-96								
BOHXS4	L	7-23-96	1035	X		X		X					
BOHXS5	L	7-23-96	1245	X		X		X					
BOHXS6	L	7-23-96	1310	X		X		X					
~~BOHXS7~~	~~L~~	~~7-23-96~~	~~1320~~	~~X~~		~~X~~		~~X~~	BW 7-24-96				
BOHXS8	L	7-23-96	1345	X		X		X					
BOHXS9	L	7-23-96	1402										

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-24-96 / 0620	David St. John	7/24/96 0620
D. St. John ITH			
David St. John	7-24-96 0730	Eric Whitten / Bechtel	7-24-96 0730
Eric Whitten / Bechtel	7-24-96 0900		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

BOHXS3 has no cyanide or sulfides

DUE TO SHIPPING REQUIREMENTS, THE ERC CONTRACTOR ACKNOWLEDGES THE HOLDING TIME FOR SULFIDES BY EPA9030 MAY NOT BE MET BW 7-25-96

Matrix *
- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: Paula Davis	Title: Sample Custodian	Date/Time: 7-30-96 / 16:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0730596 A070

Bechtel Hanford, Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	Page 1 of 1

Data Turnaround
☐ Priority
■ Normal

Collector Doug Bowers	Company Contact Don Eckert	Telephone 373-4955
Project Designation 100-N 90 Day Pad Waste Container Characterization	Sampling Location 109N (100N)	SAF No. B96-140
Ice Chest No.	Field Logbook No. EFL-1133-1	Method of Shipment Commercial Freight (truck)
Shipped To Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

Possible Sample Hazards/Remarks Unknown	Preservation	None	None	None	None	None	None	None	None		
	Type of Container	P	G	aGs	aG	aG	aG	aG	aG		
	No. of Container(s)	1	1	1	2	2	1	1	1		
Special Handling and/or Storage Cool to 4 degrees C.	Volume	20mL	250mL	40mL	500mL	500mL	500mL	500mL	500mL		
SAMPLE ANALYSIS		Activity Scan	Ignitability - 1010; pH (soil) - 9045	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	See item 1 in special instructions	Cyanide (Total) - 335.2	Sulfides - 9030		

Sample No.	Matrix*	Date Sampled	Time Sampled										
B0HXS3	W	7/23/96	1015	X	X	X	X	X	X	X	X		
B0HXS7	W	7/23/96	1320	X	X	X	X	X	X	X	X		

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-24-96/0620	[signature] EAL B Whitter	7-24-96 0620
[signature] EAL B Whitter	7-26-96 0900		

SPECIAL INSTRUCTIONS

Item 1: Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

B0HXS3 has no cyanide or saulfides.

Chain of Custody No.: B96-140-3

Matrix*
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
T - Tissue
WI - Wipe
L - Liquid
V - Vegetation
X - Other

LABORATORY SECTION	Received By	Title	Date/Time
	[signature]	Sample Custodian	7-30-96/16:00

FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0730596A0071

Bechtel Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST L7562

B96-140-1 | Page 1 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: RM-111/RM136/SNL-135	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.:	Bill of Lading/Air Bill No.:

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	3	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml
SAMPLE ANALYSIS	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions.

Sample No.	Matrix *	Sample Date	Sample Time										
~~BOHXT3~~	~~X~~	~~7-29-96~~	~~1247~~			BW 7-30-96							
BOHXT2	X	7-29-96	1300										
BOHXV3	X	7-29-96	1300										
BOHXT4	X	7-29-96	1320										
BOHXT5	X	7-29-96	1325										
~~BOHXT6~~	~~X~~	~~7-29-96~~	~~1331~~	BW 7-30-96									
BOHXT7	X	7-29-96	1337										

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-30-96/0800	GE B.Whitten	0800 7-30-96
GE B.Whitten	1030 7-30-96		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

BOHXT3 WAS NOT CHIPPED DUE TO WRONG BOTTLE

Matrix *
- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: [signature]	Title: Sample Custodian	Date/Time: 8-01-96/15:30
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0801596A

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-1	Page 2 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	none	none	none	none	
Type of Container	aG	G/P	aG	P	aG	aG	aG	aG	aG	
No. of Container(s)	1	1	1	1	1	1	1	1	2	
Volume	500ml	1000ml	500ml	1000ml	500ml	500ml	1L	250ml	500ml	
SAMPLE ANALYSIS	See item (2) in Special Instructions	Cyanide (Total) - 335.2	Cyanide (Total) - 335.2	Sulfides - 9030	Sulfides - 9030	See # 3 below	See # 3 below	See # 3 below	See # 3 below	

Sample No.	Matrix *	Sample Date	Sample Time										
BOHXT3	X	7-29-96	1247						X	X	BW 7-30-96		
BOHXT2	X	7-29-96	1300						X				
BOHXV3	X	7-29-96	1300						X				
BOHXT4	X	7-29-96	1320						X				
BOHXT5	X	7-29-96	1325						X				
BOHXT6	X	7-29-96	1331						X		X	BW 7-30-96	
BOHXT7	X	7-29-96	1337						X				

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-30-96/0800	Eric Whitten / B Whitten	7-30-96 0800
Eric Whitten / B Whitten	7-30-96 1030		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

#3 due to small volume of sample entire contents in these bottles

Matrix *
- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By	Title	Date/Time
	Paul Jones	Sample Custodian	8-01-96/15:30
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0801596 A0090

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-1	Page 2 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: BM-111 / SML-587	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.:	Bill of Lading/Air Bill No.:

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	none	none	none	none	
Type of Container	aG	G/P	aG	P	aG	aG	aG	aG	aG	
No. of Container(s)	1	1	1	1	1	1	1	1	2	
Volume	500ml	1000ml	500ml	1000ml	500ml	500ml	1 L	250ml	500ml	
SAMPLE ANALYSIS	See item (2) in Special Instructions	Cyanide (Total) - 335 2	Cyanide (Total) - 335 2	Sulfides - 9030	Sulfides - 9030	See # 3 below	See # 3 below	See # 3 below	See # 3 below	

Sample No.	Matrix *	Sample Date	Sample Time										
~~BOHXT8~~	~~X~~	~~7-29-96~~	~~1342~~						~~X~~	DW 7-30-96			
BOHXT9	X	7-29-96	1346						X				
~~BOHXV0~~	~~X~~	~~7-29-96~~	~~1348~~						~~X~~	DW 7-30-96			
BOHXV1	X	7-29-96	1357									X	

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-30-96/0800	[signature] B. Whitten	7-30-96 0800
[signature] B. Whitten	7-30-96 1030		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

#3 due to small volume of sample entire contents in these bottles

Matrix *

- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: [signature]	Title: Sample Custodian	Date/Time: 8-01-96 / 15:30
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0801596A

0100

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-1	Page 1 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	3	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml
SAMPLE ANALYSIS	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions

Sample No.	Matrix *	Sample Date	Sample Time	Activity Scan	Ignitability - 1010; pH (Soil) - 9045	Ignitability - 1010; pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions
~~BOHXT8~~	~~X~~	~~7-29-96~~	~~1342~~	~~X~~		BW 7-30-96							
BOHXT9	X	7-29-96	1346	X									
~~BOHXV0~~	~~X~~	~~7-29-96~~	~~1348~~	~~X~~		BW 7-30-96							
BOHXV1	X	7-29-96	1357	X									

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By: Doug Bowers	Date/Time: 7-30-96/0800	Received By: [signature] Bwhitten	Date/Time: 0800 7-30-96
Relinquished By: [signature] Bwhitten	Date/Time: 1030/ 7-30-96	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

Matrix *

- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: [signature]	Title: Sample Custodian	Date/Time: 8-01-96/15:30
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

1010 +96 5 1080

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST L7631	B96-140-1	Page 1 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: 48	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	1	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml
SAMPLE ANALYSIS	Activity Scan	Ignitability - 1010, pH (Soil) - 9045	Ignitability - 1010, pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions

Sample No.	Matrix *	Sample Date	Sample Time
B04KT3	X	7-29-96	1247

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
ERC B Whitten	0850 7-31-96	Doug Bowers	7-31-96/0850
Doug Bowers	7-31-96/1340	ERC B Whitten	1340 7-31-96
ERC B Whitten	0900 8-2-96		

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A, Mercury (TCLP) - 1311/7470

Matrix *
- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: Paul Davy	Title: Sample Custodian	Date/Time: 8-07-96/15:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0112

C 87546

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-1	Page 2 of 2

Data Turnaround: ☐ Priority ☐ Normal

Collector: Doug Bowers	Company Contact: Don Eckert	Telephone No.: 373-4955
Project Designation: 100-N 90-Day Pad Waste Container Characterization	Sampling Location: 109N (100N)	SAF No.: B96-140
Ice Chest No.: 48	Field Logbook No.: EFL-1133-1	Method of Shipment: Commerical Freight (truck)
Shipped To: Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS: Unknown

Special Handling and/or Storage: Cool to 4C

Preservation	None	None	None	None	None	None	None				
Type of Container	aG	G/P	aG	P	aG	AG	AG				
No. of Container(s)	1	1	1	1	1	1	1				
Volume	500ml	1000ml	500ml	1000ml	500ml	500ml	500ml ~~1L~~	BW 8-2-96			
SAMPLE ANALYSIS	See item (2) in Special Instructions.	Cyanide (Total) - 335.2	Cyanide (Total) - 335.2	Sulfides - 9030	Sulfides - 9030	SEE #3 BELOW	SEE #3 BELOW				

Sample No.	Matrix *	Sample Date	Sample Time										
BOHXT3	X	7-29-96	1247						X	X			

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By: [signature] CRL B.Whitter	Date/Time: 0950 7-31-96	Received By: Doug Bowers	Date/Time: 7-31-96/0850
Relinquished By: Doug Bowers	Date/Time: 7-31-96/1340	Received By: [signature] CRL B.Whitter	Date/Time: 1340 7-31-96
Relinquished By: [signature] CRL B.Whitter	Date/Time: 0900 8-2-96	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

SPECIAL INSTRUCTIONS

Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A, Mercury (TCLP) - 1311/7470

3 Due to a small volume of Sample Entire contents are in these Bottles

Matrix *

- S - Soil
- SE - Sediment
- SO - Solid
- SL - Sludge
- W - Water
- O - Oil
- A - Air
- DS - Drum Solids
- DL - Drum Liquids
- T - Tissue
- WI - Wipe
- L - Liquid
- V - Vegetation
- X - Other

LABORATORY SECTION	Received By: [signature]	Title: Sample Custodian	Date/Time: 8-02-96/15:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0113 8-7-96

CR

Bechtel Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

B96-140-3

Data Turnaround: ☐ Priority ☐ Normal

Collector Doug Bowers	**Company Contact** Don Eckert	**Telephone No.** 373-4955
Project Designation 100-N 90-Day Pad Waste Container Characterization	**Sampling Location** 109N (100N)	**SAF No.** B96-140
Ice Chest No. 76-RDI	**Field Logbook No.** EFL-1133-1	**Method of Shipment** Commerical Freight (truck)
Shipped To Lockheed	**Offsite Property No.**	**Bill of Lading/Air Bill No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
Unknown

Special Handling and/or Storage
Cool to 4C

SAMPLE ANALYSIS											
Preservation	None	None	None	None	None	None	None	None	None	None
Type of Container	P	G	aG	Gs*	aGs*	aG	aG	aG	aG	G
No. of Container(s)	1	1	1	5	1	4	2	4	2	1
Volume	20ml	500ml	250ml	40ml	40ml	1000ml	500ml	1000ml	500ml	1000ml
	Activity Scan	Ignitability - 1010, pH (Soil) - 9045	Ignitability - 1010, pH (Soil) - 9045	VOA - 8240A (TCL)	VOA - 8240A (TCL)	Semi-VOA - 8270A (TCL)	Semi-VOA - 8270A (TCL)	Pest/PCBs - 8080 (TCL)	Pest/PCBs - 8080 (TCL)	See item (1) in Special Instructions

Sample No.	Matrix *	Sample Date	Sample Time									
B0HXT6	Other Liquid	7-29-96	~~1342~~ 1334 07/29/96									
B0HXT8	Other Liquid	7-29-96	1342									
B0HXV0	Other Liquid	7-29-96	1348									

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-30-96/0800	ECE Bechtel	0800 7-30-96
ECE Bechtel	0900 8-2-96		

SPECIAL INSTRUCTIONS
Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(1) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

Matrix *
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
T - Tissue
WI - Wipe
L - Liquid
V - Vegetation
X - Other

LABORATORY SECTION	Received By: Paula Davis	Title: Sample Custodian (RD 8-07-96)	Date/Time: 8-02-96/15:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

01 8 52 7 96

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B96-140-3	Page 2 of 2

Data Turnaround
☐ Priority
☐ Normal

Collector Doug Bowers	Company Contact Don Eckert	Telephone No. 373-4955
Project Designation 100-N 90-Day Pad Waste Container Characterization	Sampling Location 109N (100N)	SAF No. B96-140
Ice Chest No. 76- RDI	Field Logbook No. EFL-1133-1	Method of Shipment Commerical Freight (truck)
Shipped To Lockheed	Offsite Property No.	Bill of Lading/Air Bill No.

POSSIBLE SAMPLE HAZARDS/REMARKS
Unknown

Special Handling and/or Storage
Cool to 4C

Preservation	None	None	None	None	None	None	None	None			
Type of Container	aG	G/P	aG	P	aG	aG	aG				
No. of Container(s)	1	1	1	1	1	1	1				
Volume	500ml	1000ml	500ml	1000ml	500ml	500ml	250ml				
SAMPLE ANALYSIS	See item (2) in Special Instructions	Cyanide (Total) - 335.2	Cyanide (Total) - 335.2	Sulfides - 9030	Sulfides - 9030	See # 3 below	See # 3 below				

Sample No.	Matrix *	Sample Date	Sample Time										
B0HXT6	Other Liquid	7-29-96	1331						X	X			
B0HXT8	Other Liquid	7-29-96	1342						X				
B0HXV0	Other Liquid	7-29-96	1348						X				

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By	Date/Time	Received By	Date/Time
Doug Bowers	7-30-96/0800	Eric Whitten B.Whitten	0800 7-30-96
Eric Whitten B.Whitten	0900 8-2-96		

SPECIAL INSTRUCTIONS
Due to volume of waste of some samples, entire contents of sample may be in one bottle. Perform sampling and analysis in order listed on FSR (same order as on chain of custody).

(2) Metals by ICP (TCLP) - 1311/6010A; Mercury (TCLP) - 1311/7470

#3 due to small volume of samples entire contents in these bottles

Matrix *
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
T - Tissue
WI - Wipe
L - Liquid
V - Vegetation
X - Other

LABORATORY SECTION	Received By	Title	Date/Time
	Paul Dunn	Sample Custodian	8-02-96/15:00
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

0115 8-2-96

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS3	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-17
pH - Test Paper	pH Units	9041	3.0	N/A	H	13-AUG-96	40430	L7544-17

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS4	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-12
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-21
Sulfide	mg/kg	9030	69.	60.	H	17-AUG-96	40373	L7544-29
pH - Test Paper	pH Units	9041	5.5	N/A	H	13-AUG-96	40430	L7544-12

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS5	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-13
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-22
Sulfide	mg/kg	9030	170	60.	H	17-AUG-96	40373	L7544-30
pH - Test Paper	pH Units	9041	5.5	N/A	H	13-AUG-96	40430	L7544-13

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS6	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-14
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-23
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-31
pH - Test Paper	pH Units	9041	6.0	N/A	H	13-AUG-96	40430	L7544-14

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS7	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-18
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-26
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-34
pH - Test Paper	pH Units	9041	12.	N/A	H	13-AUG-96	40430	L7544-18

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS8	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-15
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-24
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-32
pH - Test Paper	pH Units	9041	7.0	N/A	H	13-AUG-96	40430	L7544-15

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS9	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-16
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-25
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-33
pH - Test Paper	pH Units	9041	7.5	N/A	H	13-AUG-96	40430	L7544-16

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT0	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-10
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-19
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-27
pH - Test Paper	pH Units	9041	6.5	N/A	H	13-AUG-96	40430	L7544-10

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT1	Date Collected: 23-JUL-96
Matrix: Liq. Waste	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	02-AUG-96	39651	L7544-11
Cyanide	mg/kg	335.2	< 0.25	0.50	HU	07-AUG-96	39872	L7544-20
Sulfide	mg/kg	9030	< 12.	60.	HU	17-AUG-96	40373	L7544-28
pH - Test Paper	pH Units	9041	7.0	N/A	H	13-AUG-96	40430	L7544-11

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT2	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-1
pH - Test Paper	pH Units	9041	8.0	N/A	H	13-AUG-96	40430	L7562-1

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV3	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-2
pH - Test Paper	pH Units	9041	9.0	N/A	H	13-AUG-96	40430	L7562-2

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT4	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch ID	LAS Sample ID
Ignitability	deg F	1010	150	N/A	H	14-AUG-96	39783	L7562-3
pH - Test Paper	pH Units	9041	6.0	N/A	H	13-AUG-96	40430	L7562-3

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT5	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-4
pH - Test Paper	pH Units	9041	8.0	N/A	H	13-AUG-96	40430	L7562-4

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT7	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-5
pH - Test Paper	pH Units	9041	4.5	N/A	H	13-AUG-96	40430	L7562-5

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT9	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-6
pH - Test Paper	pH Units	9041	4.0	N/A	H	13-AUG-96	40430	L7562-6

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV1	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	H NO FLASH	14-AUG-96	39783	L7562-7
pH - Test Paper	pH Units	9041	7.0	N/A	H	13-AUG-96	40430	L7562-7

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT3	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	14-AUG-96	40235	L7631-1
Cyanide	mg/L	335.2	0.041	0.010	H	15-AUG-96	40280	L7631-1
Sulfide	mg/kg	9030	< 12.	60.	HU	22-AUG-96	40587	L7631-1
pH - Test Paper	pH Units	9041	7.0	N/A	H	27-AUG-96	40678	L7631-1

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT6	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	14-AUG-96	40235	L7631-3
Cyanide	mg/L	335.2	< 0.005	0.010	HU	15-AUG-96	40280	L7631-3
Sulfide	mg/kg	9030	< 12.	60.	HU	22-AUG-96	40587	L7631-3
pH - Test Paper	pH Units	9041	12.	N/A	H	27-AUG-96	40678	L7631-3

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT8	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	14-AUG-96	40235	L7631-5
Cyanide	mg/L	335.2	< 0.005	0.010	HU	15-AUG-96	40280	L7631-5
Sulfide	mg/kg	9030	< 12.	60.	HU	22-AUG-96	40587	L7631-5
pH - Test Paper	pH Units	9041	14.	N/A	H	27-AUG-96	40678	L7631-5

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV0	Date Collected: 29-JUL-96
Matrix: Liq. Waste	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	Project Reporting Limit	Data Qualifier(s)	Date Analyzed	LAS Batch|ID	LAS Sample|ID
Ignitability	deg F	1010	0.00	N/A	NO FLASH	14-AUG-96	40235	L7631-6
Cyanide	mg/L	335.2	< 0.005	0.010	HU	15-AUG-96	40280	L7631-6
Sulfide	mg/kg	9030	< 12.	60.	HU	22-AUG-96	40587	L7631-6
pH - Test Paper	pH Units	9041	12.	N/A	H	27-AUG-96	40678	L7631-6

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT0	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.75	0.75	2.2	U	1	17-AUG-96	40272	L7544-80
Barium	mg/L	6010	< 1.1	1.1	450	U	1	17-AUG-96	40272	L7544-80
Cadmium	mg/L	6010	< 0.75	0.75	1.1	U	1	17-AUG-96	40272	L7544-80
Chromium	mg/L	6010	< 0.89	0.89	2.2	U	1	17-AUG-96	40272	L7544-80
Lead	mg/L	6010	< 0.45	0.45	0.75	U	1	17-AUG-96	40272	L7544-80
Selenium	mg/L	6010	< 0.89	0.89	1.1	U	1	17-AUG-96	40272	L7544-80
Silver	mg/L	6010	< 0.89	0.89	2.2	U	1	17-AUG-96	40272	L7544-80
Mercury	mg/L	7470	< 0.11	0.11	0.11	U	1	19-AUG-96	40273	L7544-80

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT1	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.67	0.67	2.2	U	1	17-AUG-96	40272	L7544-81
Barium	mg/L	6010	< 1.1	1.1	450	U	1	17-AUG-96	40272	L7544-81
Cadmium	mg/L	6010	< 0.67	0.67	1.1	U	1	17-AUG-96	40272	L7544-81
Chromium	mg/L	6010	< 0.89	0.89	2.2	U	1	17-AUG-96	40272	L7544-81
Lead	mg/L	6010	< 0.45	0.45	0.67	U	1	17-AUG-96	40272	L7544-81
Selenium	mg/L	6010	< 0.89	0.89	1.1	U	1	17-AUG-96	40272	L7544-81
Silver	mg/L	6010	< 0.89	0.89	2.2	U	1	17-AUG-96	40272	L7544-81
Mercury	mg/L	7470	0.12	0.11	0.11		1	19-AUG-96	40273	L7544-81

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS4	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.60	0.60	2.0	U	1	17-AUG-96	40272	L7544-82
Barium	mg/L	6010	< 1.0	1.0	400	U	1	17-AUG-96	40272	L7544-82
Cadmium	mg/L	6010	< 0.60	0.60	1.0	U	1	17-AUG-96	40272	L7544-82
Chromium	mg/L	6010	< 0.81	0.81	2.0	U	1	17-AUG-96	40272	L7544-82
Lead	mg/L	6010	< 0.40	0.40	0.60	U	1	17-AUG-96	40272	L7544-82
Selenium	mg/L	6010	< 0.81	0.81	1.0	U	1	17-AUG-96	40272	L7544-82
Silver	mg/L	6010	< 0.81	0.81	2.0	U	1	17-AUG-96	40272	L7544-82
Mercury	mg/L	7470	< 0.97	0.97	0.097	U	1	19-AUG-96	40273	L7544-82

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS5	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.58	0.58	1.9	U	1	17-AUG-96	40272	L7544-83
Barium	mg/L	6010	3.6	0.96	380	B	1	17-AUG-96	40272	L7544-83
Cadmium	mg/L	6010	11.	0.58	0.96		1	17-AUG-96	40272	L7544-83
Chromium	mg/L	6010	< 0.77	0.77	1.9	U	1	17-AUG-96	40272	L7544-83
Lead	mg/L	6010	4.4	0.38	0.58		1	17-AUG-96	40272	L7544-83
Selenium	mg/L	6010	< 0.77	0.77	0.96	U	1	17-AUG-96	40272	L7544-83
Silver	mg/L	6010	< 0.77	0.77	1.9	U	1	17-AUG-96	40272	L7544-83
Mercury	mg/L	7470	< 0.095	0.095	0.095	U	1	19-AUG-96	40273	L7544-83

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS6	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.59	0.59	2.0	U	1	17-AUG-96	40272	L7544-84
Barium	mg/L	6010	1.1	0.98	390	B	1	17-AUG-96	40272	L7544-84
Cadmium	mg/L	6010	< 0.59	0.59	0.98	U	1	17-AUG-96	40272	L7544-84
Chromium	mg/L	6010	0.86	0.78	2.0	B	1	17-AUG-96	40272	L7544-84
Lead	mg/L	6010	11.	0.39	0.59		1	17-AUG-96	40272	L7544-84
Selenium	mg/L	6010	< 0.78	0.78	0.98	U	1	17-AUG-96	40272	L7544-84
Silver	mg/L	6010	< 0.78	0.78	2.0	U	1	17-AUG-96	40272	L7544-84
Mercury	mg/L	7470	< 0.10	0.10	0.10	U	1	19-AUG-96	40273	L7544-84

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS8	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.70	0.70	2.3	U	1	17-AUG-96	40272	L7544-85
Barium	mg/L	6010	< 1.2	1.2	460	U	1	17-AUG-96	40272	L7544-85
Cadmium	mg/L	6010	< 0.70	0.70	1.2	U	1	17-AUG-96	40272	L7544-85
Chromium	mg/L	6010	< 0.93	0.93	2.3	U	1	17-AUG-96	40272	L7544-85
Lead	mg/L	6010	< 0.46	0.46	0.70	U	1	17-AUG-96	40272	L7544-85
Selenium	mg/L	6010	< 0.93	0.93	1.2	U	1	17-AUG-96	40272	L7544-85
Silver	mg/L	6010	< 0.93	0.93	2.3	U	1	17-AUG-96	40272	L7544-85
Mercury	mg/L	7470	< 0.11	0.11	0.11	U	1	19-AUG-96	40273	L7544-85

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS9	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.67	0.67	2.2	U	1	17-AUG-96	40272	L7544-86
Barium	mg/L	6010	< 1.1	1.1	450	U	1	17-AUG-96	40272	L7544-86
Cadmium	mg/L	6010	< 0.67	0.67	1.1	U	1	17-AUG-96	40272	L7544-86
Chromium	mg/L	6010	< 0.90	0.90	2.2	U	1	17-AUG-96	40272	L7544-86
Lead	mg/L	6010	< 0.45	0.45	0.67	U	1	17-AUG-96	40272	L7544-86
Selenium	mg/L	6010	< 0.90	0.90	1.1	U	1	17-AUG-96	40272	L7544-86
Silver	mg/L	6010	< 0.90	0.90	2.2	U	1	17-AUG-96	40272	L7544-86
Mercury	mg/L	7470	0.19	0.11	0.11		1	19-AUG-96	40273	L7544-86

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS3	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.72	0.72	2.4	U	1	17-AUG-96	40272	L7544-87
Barium	mg/L	6010	< 1.2	1.2	480	U	1	17-AUG-96	40272	L7544-87
Cadmium	mg/L	6010	< 0.72	0.72	1.2	U	1	17-AUG-96	40272	L7544-87
Chromium	mg/L	6010	< 0.96	0.96	2.4	U	1	17-AUG-96	40272	L7544-87
Lead	mg/L	6010	< 0.48	0.48	0.72	U	1	17-AUG-96	40272	L7544-87
Selenium	mg/L	6010	< 0.96	0.96	1.2	U	1	17-AUG-96	40272	L7544-87
Silver	mg/L	6010	< 0.96	0.96	2.4	U	1	17-AUG-96	40272	L7544-87
Mercury	mg/L	7470	0.21	0.12	0.12		1	19-AUG-96	40273	L7544-87

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXS7	Date Collected: 23-JUL-96
Matrix: TCLP Extr	Date Received: 30-JUL-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic	mg/L	6010	< 0.69	0.69	2.3	U	1	17-AUG-96	40272	L7544-88
Barium	mg/L	6010	< 1.1	1.1	460	U	1	17-AUG-96	40272	L7544-88
Cadmium	mg/L	6010	< 0.69	0.69	1.1	U	1	17-AUG-96	40272	L7544-88
Chromium	mg/L	6010	< 0.92	0.92	2.3	U	1	17-AUG-96	40272	L7544-88
Lead	mg/L	6010	< 0.46	0.46	0.69	U	1	17-AUG-96	40272	L7544-88
Selenium	mg/L	6010	< 0.92	0.92	1.1	U	1	17-AUG-96	40272	L7544-88
Silver	mg/L	6010	< 0.92	0.92	2.3	U	1	17-AUG-96	40272	L7544-88
Mercury	mg/L	7470	< 0.11	0.11	0.11	U	1	19-AUG-96	40273	L7544-88

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV3	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	7.1	0.91	3.0	*	1	19-SEP-96	41418	L7562-2
Barium, TCLP	mg/L	6010	16.	2.4	61.	B	1	19-SEP-96	41418	L7562-2
Cadmium, TCLP	mg/L	6010	< 0.91	0.91	1.5	U	1	19-SEP-96	41418	L7562-2
Chromium, TCLP	mg/L	6010	< 1.8	1.8	3.0	U	1	20-SEP-96	41418	L7562-2
Lead, TCLP	mg/L	6010	43.	0.61	0.91		1	20-SEP-96	41418	L7562-2
Selenium, TCLP	mg/L	6010	1.4	1.2	1.5	B	1	19-SEP-96	41418	L7562-2
Silver, TCLP	mg/L	6010	< 1.2	1.2	3.0	U	1	19-SEP-96	41418	L7562-2
Mercury, TCLP	mg/l	7470	470	14.	14.		100	24-SEP-96	41419	L7562-2

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT4	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.54	0.54	1.8	U*	1	19-SEP-96	41418	L7562-3
Barium, TCLP	mg/L	6010	< 1.4	1.4	36.	U	1	19-SEP-96	41418	L7562-3
Cadmium, TCLP	mg/L	6010	< 0.54	0.54	0.90	U	1	19-SEP-96	41418	L7562-3
Chromium, TCLP	mg/L	6010	< 1.1	1.1	1.8	U	1	20-SEP-96	41418	L7562-3
Lead, TCLP	mg/L	6010	< 0.36	0.36	0.54	U	1	20-SEP-96	41418	L7562-3
Selenium, TCLP	mg/L	6010	< 0.72	0.72	0.90	U	1	19-SEP-96	41418	L7562-3
Silver, TCLP	mg/L	6010	< 0.72	0.72	1.8	U	1	19-SEP-96	41418	L7562-3
Mercury, TCLP	mg/l	7470	< 0.086	0.086	0.086	U	1	18-SEP-96	41419	L7562-3

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT5	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.66	0.66	2.2	U*	1	19-SEP-96	41418	L7562-4
Barium, TCLP	mg/L	6010	< 1.8	1.8	44.	U	1	19-SEP-96	41418	L7562-4
Cadmium, TCLP	mg/L	6010	< 0.66	0.66	1.1	U	1	19-SEP-96	41418	L7562-4
Chromium, TCLP	mg/L	6010	4.6	1.3	2.2		1	20-SEP-96	41418	L7562-4
Lead, TCLP	mg/L	6010	< 0.44	0.44	0.66	U	1	20-SEP-96	41418	L7562-4
Selenium, TCLP	mg/L	6010	< 0.88	0.88	1.1	U	1	19-SEP-96	41418	L7562-4
Silver, TCLP	mg/L	6010	< 0.88	0.88	2.2	U	1	19-SEP-96	41418	L7562-4
Mercury, TCLP	mg/l	7470	2.1	0.11	0.11		1	18-SEP-96	41419	L7562-4

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT9	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.60	0.60	2.0	U*	1	19-SEP-96	41418	L7562-6
Barium, TCLP	mg/L	6010	< 1.6	1.6	40.	U	1	19-SEP-96	41418	L7562-6
Cadmium, TCLP	mg/L	6010	< 0.60	0.60	1.0	U	1	19-SEP-96	41418	L7562-6
Chromium, TCLP	mg/L	6010	< 1.2	1.2	2.0	U	1	20-SEP-96	41418	L7562-6
Lead, TCLP	mg/L	6010	< 0.40	0.40	0.60	U	1	20-SEP-96	41418	L7562-6
Selenium, TCLP	mg/L	6010	< 0.80	0.80	1.0	U	1	19-SEP-96	41418	L7562-6
Silver, TCLP	mg/L	6010	< 0.80	0.80	2.0	U	1	19-SEP-96	41418	L7562-6
Mercury, TCLP	mg/l	7470	< 0.11	0.11	0.11	U	1	18-SEP-96	41419	L7562-6

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV1	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 01-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.67	0.67	2.2	U*	1	19-SEP-96	41418	L7562-7
Barium, TCLP	mg/L	6010	< 1.8	1.8	45.	U	1	19-SEP-96	41418	L7562-7
Cadmium, TCLP	mg/L	6010	< 0.67	0.67	1.1	U	1	19-SEP-96	41418	L7562-7
Chromium, TCLP	mg/L	6010	< 1.3	1.3	2.2	U	1	20-SEP-96	41418	L7562-7
Lead, TCLP	mg/L	6010	< 0.45	0.45	0.67	U	1	20-SEP-96	41418	L7562-7
Selenium, TCLP	mg/L	6010	< 0.90	0.90	1.1	U	1	19-SEP-96	41418	L7562-7
Silver, TCLP	mg/L	6010	< 0.90	0.90	2.2	U	1	19-SEP-96	41418	L7562-7
Mercury, TCLP	mg/l	7470	< 0.11	0.11	0.11	U	1	18-SEP-96	41419	L7562-7

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT3	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.71	0.71	2.4	U	1	18-SEP-96	41420	L7631-2
Barium, TCLP	mg/L	6010	< 1.9	1.9	47.	U	1	18-SEP-96	41420	L7631-2
Cadmium, TCLP	mg/L	6010	< 0.71	0.71	1.2	U	1	18-SEP-96	41420	L7631-2
Chromium, TCLP	mg/L	6010	< 1.4	1.4	2.4	U	1	18-SEP-96	41420	L7631-2
Lead, TCLP	mg/L	6010	< 0.47	0.47	0.71	U	1	18-SEP-96	41420	L7631-2
Selenium, TCLP	mg/L	6010	< 0.95	0.95	1.5	U	1	18-SEP-96	41420	L7631-2
Silver, TCLP	mg/L	6010	< 0.95	0.95	2.4	U	1	18-SEP-96	41420	L7631-2
Mercury, TCLP	mg/l	7470	< 0.12	0.12	0.12	U	1	18-SEP-96	41421	L7631-2

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT6	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.71	0.71	2.4	U	1	18-SEP-96	41420	L7631-4
Barium, TCLP	mg/L	6010	< 1.9	1.9	47.	U	1	18-SEP-96	41420	L7631-4
Cadmium, TCLP	mg/L	6010	< 0.71	0.71	1.2	U	1	18-SEP-96	41420	L7631-4
Chromium, TCLP	mg/L	6010	< 1.4	1.4	2.4	U	1	18-SEP-96	41420	L7631-4
Lead, TCLP	mg/L	6010	< 0.47	0.47	0.71	U	1	18-SEP-96	41420	L7631-4
Selenium, TCLP	mg/L	6010	< 0.95	0.95	1.2	U	1	18-SEP-96	41420	L7631-4
Silver, TCLP	mg/L	6010	< 0.95	0.95	2.4	U	1	18-SEP-96	41420	L7631-4
Mercury, TCLP	mg/l	7470	< 0.12	0.12	0.12	U	1	18-SEP-96	41421	L7631-4

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXT8	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.66	0.66	2.2	U	1	18-SEP-96	41420	L7631-5
Barium, TCLP	mg/L	6010	< 1.8	1.8	44.	U	1	18-SEP-96	41420	L7631-5
Cadmium, TCLP	mg/L	6010	< 0.66	0.66	1.1	U	1	18-SEP-96	41420	L7631-5
Chromium, TCLP	mg/L	6010	< 1.3	1.3	2.2	U	1	18-SEP-96	41420	L7631-5
Lead, TCLP	mg/L	6010	< 0.44	0.44	0.66	U	1	18-SEP-96	41420	L7631-5
Selenium, TCLP	mg/L	6010	< 0.88	0.88	1.1	U	1	18-SEP-96	41420	L7631-5
Silver, TCLP	mg/L	6010	< 0.88	0.88	2.2	U	1	18-SEP-96	41420	L7631-5
Mercury, TCLP	mg/L	7470	< 0.11	0.11	0.11	U	1	18-SEP-96	41421	L7631-5

LOCKHEED ANALYTICAL SERVICES

Sample Results

Client Sample ID: B0HXV0	Date Collected: 29-JUL-96
Matrix: TCLP Extr	Date Received: 07-AUG-96
Percent Solids: N/A	

Constituent	Units	Method	Result	MDL	RDL	Data Qual	Dilution	Date Analyzed	LAS Batch ID	LAS Sample ID
Arsenic, TCLP	mg/L	6010	< 0.68	0.68	2.3	U	1	18-SEP-96	41420	L7631-6
Barium, TCLP	mg/L	6010	< 1.8	1.8	45.	U	1	18-SEP-96	41420	L7631-6
Cadmium, TCLP	mg/L	6010	< 0.68	0.68	1.1	U	1	18-SEP-96	41420	L7631-6
Chromium, TCLP	mg/L	6010	< 1.4	1.4	2.3	U	1	18-SEP-96	41420	L7631-6
Lead, TCLP	mg/L	6010	< 0.45	0.45	0.68	U	1	18-SEP-96	41420	L7631-6
Selenium, TCLP	mg/L	6010	< 0.90	0.90	1.1	U	1	18-SEP-96	41420	L7631-6
Silver, TCLP	mg/L	6010	< 0.90	0.90	2.3	U	1	18-SEP-96	41420	L7631-6
Mercury, TCLP	mg/l	7470	< 0.12	0.12	0.12	U	1	18-SEP-96	41421	L7631-6

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample.ID:	B0HXT1	LAL Sample ID:	L7544-36
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	97%	84-122
Toluene-d8	103%	87-117
Bromofluorobenzene	114%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	<10.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	1.6	5.0	J
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	9.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS4	LAL Sample ID:	L7544-37
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	03-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080296-8260-C1
		Preparation Dilution:	108.

SURROGATE	RECOVERY		QC Limits
1,2-Dichloroethane-d4	98%		84-122
Toluene-d8	75%	*	87-117
Bromofluorobenzene	69%	*	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<540	540	
Vinyl Chloride	75-01-4	<540	540	
Bromomethane	74-83-9	<540	540	
Chloroethane	75-00-3	<540	540	
Trichlorofluoromethane	75-69-4	<540	540	
Acetone	67-64-1	970	1100	JB
1,1-Dichloroethene	75-35-4	<540	540	
Carbon Disulfide	75-15-0	<540	540	
Methylene Chloride	75-09-2	220	540	J
trans-1,2-Dichloroethene	156-60-5	<540	540	
Vinyl Acetate	108-05-4	<1100	1100	
1,1-Dichloroethane	75-34-3	<540	540	
2-Butanone	78-93-3	2800	1100	B
cis-1,2-Dichloroethene	156-59-2	<540	540	
Chloroform	67-66-3	<540	540	
1,1,1-Trichloroethane	71-55-6	4600	540	
Carbon tetrachloride	56-23-5	<540	540	
1,2-Dichloroethane	107-06-2	<540	540	
Benzene	71-43-2	<540	540	
Trichloroethene	79-01-6	580	540	
1,2-Dichloropropane	78-87-5	<540	540	
Bromodichloromethane	75-27-4	<540	540	
2-Chloroethylvinylether	110-75-8	<2200	2200	
4-Methyl-2-Pentanone	108-10-1	17000	1100	
cis-1,3-Dichloropropene	10061-01-5	<540	540	
Toluene	108-88-3	4300	540	
trans-1,3-Dichloropropene	10061-02-6	<540	540	
2-Hexanone	591-78-6	480	1100	J
1,1,2-Trichloroethane	79-00-5	<540	540	
Tetrachloroethene	127-18-4	140	540	J
Dibromochloromethane	124-48-1	<540	540	
Chlorobenzene	108-90-7	<540	540	
Ethylbenzene	100-41-4	1400	540	
m,p-Xylene	136777-61-2	6100	540	
o-Xylene	95-47-6	1900	540	
Styrene	100-42-5	<540	540	
Bromoform	75-25-2	<540	540	
1,1,2,2-Tetrachloroethane	79-34-5	150	540	J
1,3-Dichlorobenzene	541-73-1	<540	540	
1,4-Dichlorobenzene	106-46-7	<540	540	
1,2-Dichlorobenzene	95-50-1	<540	540	

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LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS4	LAL Sample ID:	L7544-37
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	108.

SURROGATE	RECOVERY		QC Limits
1,2-Dichloroethane-d4	98%		84-122
Toluene-d8	75%	*	87-117
Bromofluorobenzene	71%	*	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<540	540	
Vinyl Chloride	75-01-4	<540	540	
Bromomethane	74-83-9	<540	540	
Chloroethane	75-00-3	<540	540	
Trichlorofluoromethane	75-69-4	<540	540	
Acetone	67-64-1	490	1100	J
1,1-Dichloroethene	75-35-4	<540	540	
Carbon Disulfide	75-15-0	<540	540	
Methylene Chloride	75-09-2	210	540	J
trans-1,2-Dichloroethene	156-60-5	<540	540	
Vinyl Acetate	108-05-4	<1100	1100	
1,1-Dichloroethane	75-34-3	<540	540	
2-Butanone	78-93-3	2500	1100	
cis-1,2-Dichloroethene	156-59-2	<540	540	
Chloroform	67-66-3	<540	540	
1,1,1-Trichloroethane	71-55-6	4700	540	
Carbon tetrachloride	56-23-5	<540	540	
1,2-Dichloroethane	107-06-2	<540	540	
Benzene	71-43-2	<540	540	
Trichloroethene	79-01-6	530	540	J
1,2-Dichloropropane	78-87-5	<540	540	
Bromodichloromethane	75-27-4	<540	540	
2-Chloroethylvinylether	110-75-8	<2200	2200	
4-Methyl-2-Pentanone	108-10-1	17000	1100	
cis-1,3-Dichloropropene	10061-01-5	<540	540	
Toluene	108-88-3	4200	540	
trans-1,3-Dichloropropene	10061-02-6	<540	540	
2-Hexanone	591-78-6	<1100	1100	
1,1,2-Trichloroethane	79-00-5	<540	540	
Tetrachloroethene	127-18-4	120	540	J
Dibromochloromethane	124-48-1	<540	540	
Chlorobenzene	108-90-7	<540	540	
Ethylbenzene	100-41-4	1400	540	
m,p-Xylene	136777-61-2	5900	540	
o-Xylene	95-47-6	1900	540	
Styrene	100-42-5	<540	540	
Bromoform	75-25-2	<540	540	
1,1,2,2-Tetrachloroethane	79-34-5	<540	540	
1,3-Dichlorobenzene	541-73-1	<540	540	
1,4-Dichlorobenzene	106-46-7	<540	540	
1,2-Dichlorobenzene	95-50-1	<540	540	

0200

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS5	LAL Sample ID:	L7544-38
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	03-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080296-8260-C1
		Preparation Dilution:	108.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	101%	84-122
Toluene-d8	75% *	87-117
Bromofluorobenzene	76% *	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<540	540	
Vinyl Chloride	75-01-4	<540	540	
Bromomethane	74-83-9	<540	540	
Chloroethane	75-00-3	<540	540	
Trichlorofluoromethane	75-69-4	<540	540	
Acetone	67-64-1	<1100	1100	
1,1-Dichloroethene	75-35-4	<540	540	
Carbon Disulfide	75-15-0	<540	540	
Methylene Chloride	75-09-2	<540	540	
trans-1,2-Dichloroethene	156-60-5	<540	540	
Vinyl Acetate	108-05-4	<1100	1100	
1,1-Dichloroethane	75-34-3	<540	540	
2-Butanone	78-93-3	670	1100	JB
cis-1,2-Dichloroethene	156-59-2	<540	540	
Chloroform	67-66-3	<540	540	
1,1,1-Trichloroethane	71-55-6	11000	540	
Carbon tetrachloride	56-23-5	<540	540	
1,2-Dichloroethane	107-06-2	<540	540	
Benzene	71-43-2	330	540	J
Trichloroethene	79-01-6	<540	540	
1,2-Dichloropropane	78-87-5	<540	540	
Bromodichloromethane	75-27-4	<540	540	
2-Chloroethylvinylether	110-75-8	<2200	2200	
4-Methyl-2-Pentanone	108-10-1	4000	1100	
cis-1,3-Dichloropropene	10061-01-5	<540	540	
Toluene	108-88-3	4100	540	
trans-1,3-Dichloropropene	10061-02-6	<540	540	
2-Hexanone	591-78-6	<1100	1100	
1,1,2-Trichloroethane	79-00-5	<540	540	
Tetrachloroethene	127-18-4	160	540	J
Dibromochloromethane	124-48-1	<540	540	
Chlorobenzene	108-90-7	<540	540	
Ethylbenzene	100-41-4	36000	540	E
m,p-Xylene	136777-61-2	120000	540	E
o-Xylene	95-47-6	94000	540	E
Styrene	100-42-5	2800	540	
Bromoform	75-25-2	<540	540	
1,1,2,2-Tetrachloroethane	79-34-5	<540	540	
1,3-Dichlorobenzene	541-73-1	<540	540	
1,4-Dichlorobenzene	106-46-7	<540	540	
1,2-Dichlorobenzene	95-50-1	<540	540	

0201

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS5	LAL Sample ID:	L7544-38
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	8
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	108.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	108%	84-122
Toluene-d8	78% *	87-117
Bromofluorobenzene	94%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<4300	4300	
Vinyl Chloride	75-01-4	<4300	4300	
Bromomethane	74-83-9	<4300	4300	
Chloroethane	75-00-3	<4300	4300	
Trichlorofluoromethane	75-69-4	<4300	4300	
Acetone	67-64-1	<8600	8600	
1,1-Dichloroethene	75-35-4	<4300	4300	
Carbon Disulfide	75-15-0	<4300	4300	
Methylene Chloride	75-09-2	<4300	4300	
trans-1,2-Dichloroethene	156-60-5	<4300	4300	
Vinyl Acetate	108-05-4	<8600	8600	
1,1-Dichloroethane	75-34-3	<4300	4300	
2-Butanone	78-93-3	<8600	8600	
cis-1,2-Dichloroethene	156-59-2	<4300	4300	
Chloroform	67-66-3	<4300	4300	
1,1,1-Trichloroethane	71-55-6	12000	4300	
Carbon tetrachloride	56-23-5	<4300	4300	
1,2-Dichloroethane	107-06-2	<4300	4300	
Benzene	71-43-2	<4300	4300	
Trichloroethene	79-01-6	<4300	4300	
1,2-Dichloropropane	78-87-5	<4300	4300	
Bromodichloromethane	75-27-4	<4300	4300	
2 Chloroethylvinylether	110-75-8	<17000	17000	
4-Methyl-2-Pentanone	108-10-1	7100	8600	J
cis-1,3-Dichloropropene	10061-01-5	<4300	4300	
Toluene	108-88-3	4400	4300	
trans-1,3-Dichloropropene	10061-02-6	<4300	4300	
2-Hexanone	591-78-6	<8600	8600	
1,1,2-Trichloroethane	79-00-5	<4300	4300	
Tetrachloroethene	127-18-4	<4300	4300	
Dibromochloromethane	124-48-1	<4300	4300	
Chlorobenzene	108-90-7	<4300	4300	
Ethylbenzene	100-41-4	50000	4300	
m,p-Xylene	136777-61-2	250000	4300	
o-Xylene	95-47-6	170000	4300	
Styrene	100-42-5	<4300	4300	
Bromoform	75-25-2	<4300	4300	
1,1,2,2-Tetrachloroethane	79-34-5	<4300	4300	
1,3-Dichlorobenzene	541-73-1	<4300	4300	
1,4-Dichlorobenzene	106-46-7	<4300	4300	
1,2-Dichlorobenzene	95-50-1	<4300	4300	

0202

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample-ID:	B0HXS6	LAL Sample ID:	L7544-39
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	03-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080296-8260-C1
		Preparation Dilution:	108.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	86%	84-122
Toluene-d8	65% *	87-117
Bromofluorobenzene	65% *	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<540	540	
Vinyl Chloride	75-01-4	<540	540	
Bromomethane	74-83-9	<540	540	
Chloroethane	75-00-3	<540	540	
Trichlorofluoromethane	75-69-4	<540	540	
Acetone	67-64-1	2100	1100	B
1,1-Dichloroethene	75-35-4	<540	540	
Carbon Disulfide	75-15-0	<540	540	
Methylene Chloride	75-09-2	<540	540	
trans-1,2-Dichloroethene	156-60-5	<540	540	
Vinyl Acetate	108-05-4	<1100	1100	
1,1-Dichloroethane	75-34-3	<540	540	
2-Butanone	78-93-3	6800	1100	B
cis-1,2-Dichloroethene	156-59-2	<540	540	
Chloroform	67-66-3	<540	540	
1,1,1-Trichloroethane	71-55-6	1100	540	
Carbon tetrachloride	56-23-5	<540	540	
1,2-Dichloroethane	107-06-2	130	540	J
Benzene	71-43-2	<540	540	
Trichloroethene	79-01-6	120	540	J
1,2-Dichloropropane	78-87-5	<540	540	
Bromodichloromethane	75-27-4	<540	540	
2-Chloroethylvinylether	110-75-8	<2200	2200	
4-Methyl-2-Pentanone	108-10-1	530	1100	J
cis-1,3-Dichloropropene	10061-01-5	<540	540	
Toluene	108-88-3	1200	540	
trans-1,3-Dichloropropene	10061-02-6	<540	540	
2-Hexanone	591-78-6	750	1100	J
1,1,2-Trichloroethane	79-00-5	260	540	J
Tetrachloroethene	127-18-4	950	540	
Dibromochloromethane	124-48-1	<540	540	
Chlorobenzene	108-90-7	<540	540	
Ethylbenzene	100-41-4	400	540	J
m,p-Xylene	136777-61-2	2100	540	
o-Xylene	95-47-6	1200	540	
Styrene	100-42-5	<540	540	
Bromoform	75-25-2	<540	540	
1,1,2,2-Tetrachloroethane	79-34-5	<540	540	
1,3-Dichlorobenzene	541-73-1	<540	540	
1,4-Dichlorobenzene	106-46-7	<540	540	
1,2-Dichlorobenzene	95-50-1	<540	540	

0203

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS6	LAL Sample ID:	L7544-39
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	107.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	95%	84-122
Toluene-d8	71% *	87-117
Bromofluorobenzene	68% *	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<540	540	
Vinyl Chloride	75-01-4	<540	540	
Bromomethane	74-83-9	<540	540	
Chloroethane	75-00-3	<540	540	
Trichlorofluoromethane	75-69-4	<540	540	
Acetone	67-64-1	1800	1100	
1,1-Dichloroethene	75-35-4	<540	540	
Carbon Disulfide	75-15-0	<540	540	
Methylene Chloride	75-09-2	<540	540	
trans-1,2-Dichloroethene	156-60-5	<540	540	
Vinyl Acetate	108-05-4	<1100	1100	
1,1-Dichloroethane	75-34-3	<540	540	
2-Butanone	78-93-3	6900	1100	
cis-1,2-Dichloroethene	156-59-2	<540	540	
Chloroform	67-66-3	<540	540	
1,1,1-Trichloroethane	71-55-6	1200	540	
Carbon tetrachloride	56-23-5	<540	540	
1,2-Dichloroethane	107-06-2	140	540	J
Benzene	71-43-2	<540	540	
Trichloroethene	79-01-6	160	540	J
1,2-Dichloropropane	78-87-5	<540	540	
Bromodichloromethane	75-27-4	<540	540	
2-Chloroethylvinylether	110-75-8	<2100	2100	
4-Methyl-2-Pentanone	108-10-1	370	1100	J
cis-1,3-Dichloropropene	10061-01-5	<540	540	
Toluene	108-88-3	1300	540	
trans-1,3-Dichloropropene	10061-02-6	<540	540	
2-Hexanone	591-78-6	540	1100	J
1,1,2-Trichloroethane	79-00-5	240	540	J
Tetrachloroethene	127-18-4	1000	540	
Dibromochloromethane	124-48-1	<540	540	
Chlorobenzene	108-90-7	<540	540	
Ethylbenzene	100-41-4	170	540	J
m,p-Xylene	136777-61-2	690	540	
o-Xylene	95-47-6	260	540	J
Styrene	100-42-5	<540	540	
Bromoform	75-25-2	<540	540	
1,1,2,2-Tetrachloroethane	79-34-5	<540	540	
1,3-Dichlorobenzene	541-73-1	<540	540	
1,4-Dichlorobenzene	106-46-7	<540	540	
1,2-Dichlorobenzene	95-50-1	<540	540	

0204

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS8	LAL Sample ID:	L7544-40
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	105%	84-122
Toluene-d8	105%	87-117
Bromofluorobenzene	115%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	230	10.	E
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	29.	10.	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	1.4	5.0	J
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	4.7	10.	J
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	2.8	10.	J
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

0205

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS9	LAL Sample ID:	L7544-41
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	101%	84-122
Toluene-d8	103%	87-117
Bromofluorobenzene	109%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	12.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	2.5	10.	J
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	2.0	5.0	J
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

0206

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS3	LAL Sample ID:	L7544-42
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	102%	84-122
Toluene-d8	105%	87-117
Bromofluorobenzene	113%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	3400	10.	E
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	1000	10.	E
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	17.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

0207

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS3	LAL Sample ID:	L7544-42
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	05-AUG-96	Analytical Dilution:	25
Matrix:	Liq. Waste	Analytical Batch ID:	080596-8260-E
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	107%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	103%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<130	130	
Vinyl Chloride	75-01-4	<130	130	
Bromomethane	74-83-9	<130	130	
Chloroethane	75-00-3	<130	130	
Trichlorofluoromethane	75-69-4	<130	130	
Acetone	67-64-1	4300	250	B
1,1-Dichloroethene	75-35-4	<130	130	
Carbon Disulfide	75-15-0	<130	130	
Methylene Chloride	75-09-2	<130	130	
trans-1,2-Dichloroethene	156-60-5	<130	130	
Vinyl Acetate	108-05-4	<250	250	
1,1-Dichloroethane	75-34-3	<130	130	
2-Butanone	78-93-3	1100	250	
cis-1,2-Dichloroethene	156-59-2	<130	130	
Chloroform	67-66-3	<130	130	
1,1,1-Trichloroethane	71-55-6	<130	130	
Carbon tetrachloride	56-23-5	<130	130	
1,2-Dichloroethane	107-06-2	<130	130	
Benzene	71-43-2	<130	130	
Trichloroethene	79-01-6	<130	130	
1,2-Dichloropropane	78-87-5	<130	130	
Bromodichloromethane	75-27-4	<130	130	
2-Chloroethylvinylether	110-75-8	<500	500	
4-Methyl-2-Pentanone	108-10-1	<250	250	
cis-1,3-Dichloropropene	10061-01-5	<130	130	
Toluene	108-88-3	<130	130	
trans-1,3-Dichloropropene	10061-02-6	<130	130	
2-Hexanone	591-78-6	<250	250	
1,1,2-Trichloroethane	79-00-5	<130	130	
Tetrachloroethene	127-18-4	<130	130	
Dibromochloromethane	124-48-1	<130	130	
Chlorobenzene	108-90-7	<130	130	
Ethylbenzene	100-41-4	<130	130	
m,p-Xylene	136777-61-2	<130	130	
o-Xylene	95-47-6	<130	130	
Styrene	100-42-5	<130	130	
Bromoform	75-25-2	<130	130	
1,1,2,2-Tetrachloroethane	79-34-5	<130	130	
1,3-Dichlorobenzene	541-73-1	<130	130	
1,4-Dichlorobenzene	106-46-7	<130	130	
1,2-Dichlorobenzene	95-50-1	<130	130	

0208

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS7	LAL Sample ID:	L7544-43
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	04-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080496-8260-C1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	99%	84-122
Toluene-d8	102%	87-117
Bromofluorobenzene	101%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	3500	10.	E
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	<5.0	5.0	
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	4700	10.	E
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	<5.0	5.0	
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	1.3	5.0	J
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	5.7	10.	J
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

0209

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXS7	LAL Sample ID:	L7544-43
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	05-AUG-96	Analytical Dilution:	100
Matrix:	Liq. Waste	Analytical Batch ID:	080596-8260-E
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	109%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	105%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<500	500	
Vinyl Chloride	75-01-4	<500	500	
Bromomethane	74-83-9	<500	500	
Chloroethane	75-00-3	<500	500	
Trichlorofluoromethane	75-69-4	<500	500	
Acetone	67-64-1	2900	1000	B
1,1-Dichloroethene	75-35-4	<500	500	
Carbon Disulfide	75-15-0	<500	500	
Methylene Chloride	75-09-2	<500	500	
trans-1,2-Dichloroethene	156-60-5	<500	500	
Vinyl Acetate	108-05-4	<1000	1000	
1,1-Dichloroethane	75-34-3	<500	500	
2-Butanone	78-93-3	11000	1000	
cis-1,2-Dichloroethene	156-59-2	<500	500	
Chloroform	67-66-3	<500	500	
1,1,1-Trichloroethane	71-55-6	<500	500	
Carbon tetrachloride	56-23-5	<500	500	
1,2-Dichloroethane	107-06-2	<500	500	
Benzene	71-43-2	130	500	J
Trichloroethene	79-01-6	<500	500	
1,2-Dichloropropane	78-87-5	<500	500	
Bromodichloromethane	75-27-4	<500	500	
2-Chloroethylvinylether	110-75-8	<2000	2000	
4-Methyl-2-Pentanone	108-10-1	<1000	1000	
cis-1,3-Dichloropropene	10061-01-5	<500	500	
Toluene	108-88-3	<500	500	
trans-1,3-Dichloropropene	10061-02-6	<500	500	
2-Hexanone	591-78-6	<1000	1000	
1,1,2-Trichloroethane	79-00-5	<500	500	
Tetrachloroethene	127-18-4	<500	500	
Dibromochloromethane	124-48-1	<500	500	
Chlorobenzene	108-90-7	<500	500	
Ethylbenzene	100-41-4	<500	500	
m,p-Xylene	136777-61-2	<500	500	
o-Xylene	95-47-6	<500	500	
Styrene	100-42-5	<500	500	
Bromoform	75-25-2	<500	500	
1,1,2,2-Tetrachloroethane	79-34-5	<500	500	
1,3-Dichlorobenzene	541-73-1	<500	500	
1,4-Dichlorobenzene	106-46-7	<500	500	
1,2-Dichlorobenzene	95-50-1	<500	500	

0210

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT0	LAL Sample ID:	L7544-44
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	05-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	080596-8260-E
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	108%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	101%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<5.0	5.0	
Vinyl Chloride	75-01-4	<5.0	5.0	
Bromomethane	74-83-9	<5.0	5.0	
Chloroethane	75-00-3	<5.0	5.0	
Trichlorofluoromethane	75-69-4	<5.0	5.0	
Acetone	67-64-1	<10.	10.	
1,1-Dichloroethene	75-35-4	<5.0	5.0	
Carbon Disulfide	75-15-0	1.1	5.0	J
Methylene Chloride	75-09-2	<5.0	5.0	
trans-1,2-Dichloroethene	156-60-5	<5.0	5.0	
Vinyl Acetate	108-05-4	<10.	10.	
1,1-Dichloroethane	75-34-3	<5.0	5.0	
2-Butanone	78-93-3	<10.	10.	
cis-1,2-Dichloroethene	156-59-2	<5.0	5.0	
Chloroform	67-66-3	<5.0	5.0	
1,1,1-Trichloroethane	71-55-6	3.3	5.0	J
Carbon tetrachloride	56-23-5	<5.0	5.0	
1,2-Dichloroethane	107-06-2	<5.0	5.0	
Benzene	71-43-2	<5.0	5.0	
Trichloroethene	79-01-6	<5.0	5.0	
1,2-Dichloropropane	78-87-5	<5.0	5.0	
Bromodichloromethane	75-27-4	<5.0	5.0	
2-Chloroethylvinylether	110-75-8	<20.	20.	
4-Methyl-2-Pentanone	108-10-1	<10.	10.	
cis-1,3-Dichloropropene	10061-01-5	<5.0	5.0	
Toluene	108-88-3	<5.0	5.0	
trans-1,3-Dichloropropene	10061-02-6	<5.0	5.0	
2-Hexanone	591-78-6	<10.	10.	
1,1,2-Trichloroethane	79-00-5	<5.0	5.0	
Tetrachloroethene	127-18-4	<5.0	5.0	
Dibromochloromethane	124-48-1	<5.0	5.0	
Chlorobenzene	108-90-7	<5.0	5.0	
Ethylbenzene	100-41-4	<5.0	5.0	
m,p-Xylene	136777-61-2	<5.0	5.0	
o-Xylene	95-47-6	<5.0	5.0	
Styrene	100-42-5	<5.0	5.0	
Bromoform	75-25-2	<5.0	5.0	
1,1,2,2-Tetrachloroethane	79-34-5	<5.0	5.0	
1,3-Dichlorobenzene	541-73-1	<5.0	5.0	
1,4-Dichlorobenzene	106-46-7	<5.0	5.0	
1,2-Dichlorobenzene	95-50-1	<5.0	5.0	

0211

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT2	LAL Sample ID:	L7562-1
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	09-AUG-96	Analytical Dilution:	20
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	113%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	112%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<100	100	
Vinyl Chloride	75-01-4	<100	100	
Bromomethane	74-83-9	<100	100	
Chloroethane	75-00-3	<100	100	
Trichlorofluoromethane	75-69-4	<100	100	
Acetone	67-64-1	3700	200	
1,1-Dichloroethene	75-35-4	<100	100	
Carbon Disulfide	75-15-0	<100	100	
Methylene Chloride	75-09-2	52.	100	JB
trans-1,2-Dichloroethene	156-60-5	<100	100	
Vinyl Acetate	108-05-4	<200	200	
1,1-Dichloroethane	75-34-3	<100	100	
2-Butanone	78-93-3	2900	200	B
cis-1,2-Dichloroethene	156-59-2	<100	100	
Chloroform	67-66-3	<100	100	
1,1,1-Trichloroethane	71-55-6	<100	100	
Carbon tetrachloride	56-23-5	<100	100	
1,2-Dichloroethane	107-06-2	<100	100	
Benzene	71-43-2	190	100	
Trichloroethene	79-01-6	<100	100	
1,2-Dichloropropane	78-87-5	<100	100	
Bromodichloromethane	75-27-4	<100	100	
2-Chloroethylvinylether	110-75-8	<400	400	
4-Methyl-2-Pentanone	108-10-1	720	200	
cis-1,3-Dichloropropene	10061-01-5	<100	100	
Toluene	108-88-3	51.	100	J
trans-1,3-Dichloropropene	10061-02-6	<100	100	
2-Hexanone	591-78-6	160	200	JB
1,1,2-Trichloroethane	79-00-5	<100	100	
Tetrachloroethene	127-18-4	<100	100	
Dibromochloromethane	124-48-1	<100	100	
Chlorobenzene	108-90-7	<100	100	
Ethylbenzene	100-41-4	170	100	
m,p-Xylene	136777-61-2	610	100	
o-Xylene	95-47-6	130	100	
Styrene	100-42-5	<100	100	
Bromoform	75-25-2	<100	100	
1,1,2,2-Tetrachloroethane	79-34-5	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
1,2-Dichlorobenzene	95-50-1	<100	100	

0212

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXV2	LAL Sample ID:	L7562-2
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	08-AUG-96	Analytical Dilution:	4
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E
		Preparation Dilution:	190.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	85%	84-122
Toluene-d8	80% *	87-117
Bromofluorobenzene	72% *	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<3800	3800	
Vinyl Chloride	75-01-4	<3800	3800	
Bromomethane	74-83-9	<3800	3800	
Chloroethane	75-00-3	<3800	3800	
Trichlorofluoromethane	75-69-4	<3800	3800	
Acetone	67-64-1	8700	7600	
1,1-Dichloroethene	75-35-4	<3800	3800	
Carbon Disulfide	75-15-0	<3800	3800	
Methylene Chloride	75-09-2	930	3800	JB
trans-1,2-Dichloroethene	156-60-5	<3800	3800	
Vinyl Acetate	108-05-4	<7600	7600	
1,1-Dichloroethane	75-34-3	<3800	3800	
2-Butanone	78-93-3	6300	7600	J
cis-1,2-Dichloroethene	156-59-2	<3800	3800	
Chloroform	67-66-3	<3800	3800	
1,1,1-Trichloroethane	71-55-6	<3800	3800	
Carbon tetrachloride	56-23-5	<3800	3800	
1,2-Dichloroethane	107-06-2	<3800	3800	
Benzene	71-43-2	32000	3800	
Trichloroethene	79-01-6	<3800	3800	
1,2-Dichloropropane	78-87-5	<3800	3800	
Bromodichloromethane	75-27-4	<3800	3800	
2-Chloroethylvinylether	110-75-8	<15000	15000	
4-Methyl-2-Pentanone	108-10-1	5800	7600	J
cis-1,3-Dichloropropene	10061-01-5	<3800	3800	
Toluene	108-88-3	8300	3800	
trans-1,3-Dichloropropene	10061-02-6	<3800	3800	
2-Hexanone	591-78-6	2300	7600	J
1,1,2-Trichloroethane	79-00-5	<3800	3800	
Tetrachloroethene	127-18-4	<3800	3800	
Dibromochloromethane	124-48-1	<3800	3800	
Chlorobenzene	108-90-7	<3800	3800	
Ethylbenzene	100-41-4	27000	3800	
m,p-Xylene	136777-61-2	81000	3800	
o-Xylene	95-47-6	16000	3800	
Styrene	100-42-5	<3800	3800	
Bromoform	75-25-2	<3800	3800	
1,1,2,2-Tetrachloroethane	79-34-5	<3800	3800	
1,3-Dichlorobenzene	541-73-1	<3800	3800	
1,4-Dichlorobenzene	106-46-7	<3800	3800	
1,2-Dichlorobenzene	95-50-1	<3800	3800	

0213

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT4	LAL Sample ID:	L7562-3
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	09-AUG-96	Analytical Dilution:	16
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E
		Preparation Dilution:	97.4

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	0.00% *	84-122
Toluene-d8	0.00% *	87-117
Bromofluorobenzene	0.00% *	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<7800	7800	
Vinyl Chloride	75-01-4	<7800	7800	
Bromomethane	74-83-9	<7800	7800	
Chloroethane	75-00-3	<7800	7800	
Trichlorofluoromethane	75-69-4	<7800	7800	
Acetone	67-64-1	12000	16000	J
1,1-Dichloroethene	75-35-4	<7800	7800	
Carbon Disulfide	75-15-0	<7800	7800	
Methylene Chloride	75-09-2	12000	7800	B
trans-1,2-Dichloroethene	156-60-5	<7800	7800	
Vinyl Acetate	108-05-4	<16000	16000	
1,1-Dichloroethane	75-34-3	<7800	7800	
2-Butanone	78-93-3	5200	16000	J
cis-1,2-Dichloroethene	156-59-2	<7800	7800	
Chloroform	67-66-3	<7800	7800	
1,1,1-Trichloroethane	71-55-6	23000	7800	
Carbon tetrachloride	56-23-5	<7800	7800	
1,2-Dichloroethane	107-06-2	<7800	7800	
Benzene	71-43-2	<7800	7800	
Trichloroethene	79-01-6	<7800	7800	
1,2-Dichloropropane	78-87-5	<7800	7800	
Bromodichloromethane	75-27-4	<7800	7800	
2-Chloroethylvinylether	110-75-8	<31000	31000	
4-Methyl-2-Pentanone	108-10-1	<16000	16000	
cis-1,3-Dichloropropene	10061-01-5	<7800	7800	
Toluene	108-88-3	<7800	7800	
trans-1,3-Dichloropropene	10061-02-6	<7800	7800	
2-Hexanone	591-78-6	<16000	16000	
1,1,2-Trichloroethane	79-00-5	<7800	7800	
Tetrachloroethene	127-18-4	<7800	7800	
Dibromochloromethane	124-48-1	<7800	7800	
Chlorobenzene	108-90-7	<7800	7800	
Ethylbenzene	100-41-4	<7800	7800	
m,p-Xylene	136777-61-2	4000	7800	J
o-Xylene	95-47-6	2700	7800	J
Styrene	100-42-5	<7800	7800	
Bromoform	75-25-2	<7800	7800	
1,1,2,2-Tetrachloroethane	79-34-5	<7800	7800	
1,3-Dichlorobenzene	541-73-1	<7800	7800	
1,4-Dichlorobenzene	106-46-7	<7800	7800	
1,2-Dichlorobenzene	95-50-1	<7800	7800	

0214

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT5	LAL Sample ID:	L7562-4
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	08-AUG-96	Analytical Dilution:	100
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	106%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	104%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<500	500	
Vinyl Chloride	75-01-4	<500	500	
Bromomethane	74-83-9	<500	500	
Chloroethane	75-00-3	<500	500	
Trichlorofluoromethane	75-69-4	<500	500	
Acetone	67-64-1	1100	1000	
1,1-Dichloroethene	75-35-4	<500	500	
Carbon Disulfide	75-15-0	<500	500	
Methylene Chloride	75-09-2	8300	500	B
trans-1,2-Dichloroethene	156-60-5	<500	500	
Vinyl Acetate	108-05-4	<1000	1000	
1,1-Dichloroethane	75-34-3	<500	500	
2-Butanone	78-93-3	290	1000	JB
cis-1,2-Dichloroethene	156-59-2	<500	500	
Chloroform	67-66-3	<500	500	
1,1,1-Trichloroethane	71-55-6	<500	500	
Carbon tetrachloride	56-23-5	<500	500	
1,2-Dichloroethane	107-06-2	<500	500	
Benzene	71-43-2	120	500	J
Trichloroethene	79-01-6	<500	500	
1,2-Dichloropropane	78-87-5	<500	500	
Bromodichloromethane	75-27-4	<500	500	
2-Chloroethylvinylether	110-75-8	<2000	2000	
4-Methyl-2-Pentanone	108-10-1	<1000	1000	
cis-1,3-Dichloropropene	10061-01-5	<500	500	
Toluene	108-88-3	<500	500	
trans-1,3-Dichloropropene	10061-02-6	<500	500	
2-Hexanone	591-78-6	<1000	1000	
1,1,2-Trichloroethane	79-00-5	<500	500	
Tetrachloroethene	127-18-4	<500	500	
Dibromochloromethane	124-48-1	<500	500	
Chlorobenzene	108-90-7	<500	500	
Ethylbenzene	100-41-4	<500	500	
m,p-Xylene	136777-61-2	<500	500	
o-Xylene	95-47-6	<500	500	
Styrene	100-42-5	<500	500	
Bromoform	75-25-2	<500	500	
1,1,2,2-Tetrachloroethane	79-34-5	<500	500	
1,3-Dichlorobenzene	541-73-1	<500	500	
1,4-Dichlorobenzene	106-46-7	<500	500	
1,2-Dichlorobenzene	95-50-1	<500	500	

0215

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT7	LAL Sample ID:	L7562-5
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	08-AUG-96	Analytical Dilution:	10
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	108%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	100%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<50.	50.	
Vinyl Chloride	75-01-4	<50.	50.	
Bromomethane	74-83-9	<50.	50.	
Chloroethane	75-00-3	<50.	50.	
Trichlorofluoromethane	75-69-4	<50.	50.	
Acetone	67-64-1	1500	100	
1,1-Dichloroethene	75-35-4	<50.	50.	
Carbon Disulfide	75-15-0	<50.	50.	
Methylene Chloride	75-09-2	590	50.	B
trans-1,2-Dichloroethene	156-60-5	<50.	50.	
Vinyl Acetate	108-05-4	<100	100	
1,1-Dichloroethane	75-34-3	<50.	50.	
2-Butanone	78-93-3	400	100	B
cis-1,2-Dichloroethene	156-59-2	<50.	50.	
Chloroform	67-66-3	<50.	50.	
1,1,1-Trichloroethane	71-55-6	<50.	50.	
Carbon tetrachloride	56-23-5	<50.	50.	
1,2-Dichloroethane	107-06-2	<50.	50.	
Benzene	71-43-2	<50.	50.	
Trichloroethene	79-01-6	<50.	50.	
1,2-Dichloropropane	78-87-5	<50.	50.	
Bromodichloromethane	75-27-4	<50.	50.	
2-Chloroethylvinylether	110-75-8	<200	200	
4-Methyl-2-Pentanone	108-10-1	24.	100	J
cis-1,3-Dichloropropene	10061-01-5	<50.	50.	
Toluene	108-88-3	<50.	50.	
trans-1,3-Dichloropropene	10061-02-6	<50.	50.	
2-Hexanone	591-78-6	72.	100	JB
1,1,2-Trichloroethane	79-00-5	<50.	50.	
Tetrachloroethene	127-18-4	<50.	50.	
Dibromochloromethane	124-48-1	<50.	50.	
Chlorobenzene	108-90-7	<50.	50.	
Ethylbenzene	100-41-4	<50.	50.	
m,p-Xylene	136777-61-2	<50.	50.	
o-Xylene	95-47-6	<50.	50.	
Styrene	100-42-5	<50.	50.	
Bromoform	75-25-2	<50.	50.	
1,1,2,2-Tetrachloroethane	79-34-5	<50.	50.	
1,3-Dichlorobenzene	541-73-1	<50.	50.	
1,4-Dichlorobenzene	106-46-7	<50.	50.	
1,2-Dichlorobenzene	95-50-1	<50.	50.	

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LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT9	LAL Sample ID:	L7562-6
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	08-AUG-96	Analytical Dilution:	100
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	111%	84-122
Toluene-d8	110%	87-117
Bromofluorobenzene	117%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<500	500	
Vinyl Chloride	75-01-4	<500	500	
Bromomethane	74-83-9	<500	500	
Chloroethane	75-00-3	<500	500	
Trichlorofluoromethane	75-69-4	<500	500	
Acetone	67-64-1	1000	1000	
1,1-Dichloroethene	75-35-4	<500	500	
Carbon Disulfide	75-15-0	<500	500	
Methylene Chloride	75-09-2	120	500	JB
trans-1,2-Dichloroethene	156-60-5	<500	500	
Vinyl Acetate	108-05-4	<1000	1000	
1,1-Dichloroethane	75-34-3	<500	500	
2-Butanone	78-93-3	320	1000	JB
cis-1,2-Dichloroethene	156-59-2	<500	500	
Chloroform	67-66-3	<500	500	
1,1,1-Trichloroethane	71-55-6	<500	500	
Carbon tetrachloride	56-23-5	<500	500	
1,2-Dichloroethane	107-06-2	<500	500	
Benzene	71-43-2	250	500	J
Trichloroethene	79-01-6	<500	500	
1,2-Dichloropropane	78-87-5	<500	500	
Bromodichloromethane	75-27-4	<500	500	
2-Chloroethylvinylether	110-75-8	<2000	2000	
4-Methyl-2-Pentanone	108-10-1	<1000	1000	
cis-1,3-Dichloropropene	10061-01-5	<500	500	
Toluene	108-88-3	<500	500	
trans-1,3-Dichloropropene	10061-02-6	<500	500	
2-Hexanone	591-78-6	320	1000	JB
1,1,2-Trichloroethane	79-00-5	<500	500	
Tetrachloroethene	127-18-4	<500	500	
Dibromochloromethane	124-48-1	<500	500	
Chlorobenzene	108-90-7	<500	500	
Ethylbenzene	100-41-4	<500	500	
m,p-Xylene	136777-61-2	<500	500	
o-Xylene	95-47-6	<500	500	
Styrene	100-42-5	<500	500	
Bromoform	75-25-2	<500	500	
1,1,2,2-Tetrachloroethane	79-34-5	<500	500	
1,3-Dichlorobenzene	541-73-1	<500	500	
1,4-Dichlorobenzene	106-46-7	<500	500	
1,2-Dichlorobenzene	95-50-1	<500	500	

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LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXV1	LAL Sample ID:	L7562-7
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	08-AUG-96	Analytical Dilution:	25
Matrix:	Liq. Waste	Analytical Batch ID:	080896-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	108%	84-122
Toluene-d8	109%	87-117
Bromofluorobenzene	108%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<130	130	
Vinyl Chloride	75-01-4	<130	130	
Bromomethane	74-83-9	<130	130	
Chloroethane	75-00-3	<130	130	
Trichlorofluoromethane	75-69-4	<130	130	
Acetone	67-64-1	3000	250	
1,1-Dichloroethene	75-35-4	<130	130	
Carbon Disulfide	75-15-0	<130	130	
Methylene Chloride	75-09-2	140	130	B
trans-1,2-Dichloroethene	156-60-5	<130	130	
Vinyl Acetate	108-05-4	<250	250	
1,1-Dichloroethane	75-34-3	<130	130	
2-Butanone	78-93-3	4000	250	B
cis-1,2-Dichloroethene	156-59-2	<130	130	
Chloroform	67-66-3	<130	130	
1,1,1-Trichloroethane	71-55-6	<130	130	
Carbon tetrachloride	56-23-5	<130	130	
1,2-Dichloroethane	107-06-2	<130	130	
Benzene	71-43-2	<130	130	
Trichloroethene	79-01-6	<130	130	
1,2-Dichloropropane	78-87-5	<130	130	
Bromodichloromethane	75-27-4	<130	130	
2-Chloroethylvinylether	110-75-8	<500	500	
4-Methyl-2-Pentanone	108-10-1	<250	250	
cis-1,3-Dichloropropene	10061-01-5	<130	130	
Toluene	108-88-3	<130	130	
trans-1,3-Dichloropropene	10061-02-6	<130	130	
2-Hexanone	591-78-6	<250	250	
1,1,2-Trichloroethane	79-00-5	<130	130	
Tetrachloroethene	127-18-4	<130	130	
Dibromochloromethane	124-48-1	<130	130	
Chlorobenzene	108-90-7	<130	130	
Ethylbenzene	100-41-4	<130	130	
m,p-Xylene	136777-61-2	<130	130	
o-Xylene	95-47-6	<130	130	
Styrene	100-42-5	<130	130	
Bromoform	75-25-2	<130	130	
1,1,2,2-Tetrachloroethane	79-34-5	<130	130	
1,3-Dichlorobenzene	541-73-1	<130	130	
1,4-Dichlorobenzene	106-46-7	<130	130	
1,2-Dichlorobenzene	95-50-1	<130	130	

0218

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT3	LAL Sample ID:	L7631-1
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	12-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Analytical Batch ID:	081296-8260-E
		Preparation Dilution:	122.

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	94%	84-122
Toluene-d8	89%	87-117
Bromofluorobenzene	83%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<610	610	
Vinyl Chloride	75-01-4	<610	610	
Bromomethane	74-83-9	<610	610	
Chloroethane	75-00-3	<610	610	
Trichlorofluoromethane	75-69-4	<610	610	
Acetone	67-64-1	8100	1200	
1,1-Dichloroethene	75-35-4	<610	610	
Carbon Disulfide	75-15-0	<610	610	
Methylene Chloride	75-09-2	190	610	JB
trans-1,2-Dichloroethene	156-60-5	<610	610	
Vinyl Acetate	108-05-4	<1200	1200	
1,1-Dichloroethane	75-34-3	<610	610	
2-Butanone	78-93-3	1400	1200	
cis-1,2-Dichloroethene	156-59-2	<610	610	
Chloroform	67-66-3	<610	610	
1,1,1-Trichloroethane	71-55-6	<610	610	
Carbon tetrachloride	56-23-5	<610	610	
1,2-Dichloroethane	107-06-2	<610	610	
Benzene	71-43-2	310	610	J
Trichloroethene	79-01-6	<610	610	
1,2-Dichloropropane	78-87-5	<610	610	
Bromodichloromethane	75-27-4	<610	610	
2-Chloroethylvinylether	110-75-8	<2400	2400	
4-Methyl-2-Pentanone	108-10-1	960	1200	J
cis-1,3-Dichloropropene	10061-01-5	<610	610	
Toluene	108-88-3	<610	610	
trans-1,3-Dichloropropene	10061-02-6	<610	610	
2-Hexanone	591-78-6	<1200	1200	
1,1,2-Trichloroethane	79-00-5	<610	610	
Tetrachloroethene	127-18-4	<610	610	
Dibromochloromethane	124-48-1	<610	610	
Chlorobenzene	108-90-7	<610	610	
Ethylbenzene	100-41-4	<610	610	
m,p-Xylene	136777-61-2	<610	610	
o-Xylene	95-47-6	<610	610	
Styrene	100-42-5	<610	610	
Bromoform	75-25-2	<610	610	
1,1,2,2-Tetrachloroethane	79-34-5	<610	610	
1,3-Dichlorobenzene	541-73-1	<610	610	
1,4-Dichlorobenzene	106-46-7	<610	610	
1,2-Dichlorobenzene	95-50-1	<610	610	

0219

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT6	LAL Sample ID:	L7631-3
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	12-AUG-96	Analytical Dilution:	5
Matrix:	Liq. Waste	Analytical Batch ID:	081296-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	111%	84-122
Toluene-d8	108%	87-117
Bromofluorobenzene	96%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<25.	25.	
Vinyl Chloride	75-01-4	<25.	25.	
Bromomethane	74-83-9	<25.	25.	
Chloroethane	75-00-3	<25.	25.	
Trichlorofluoromethane	75-69-4	<25.	25.	
Acetone	67-64-1	1500	50.	E
1,1-Dichloroethene	75-35-4	<25.	25.	
Carbon Disulfide	75-15-0	<25.	25.	
Methylene Chloride	75-09-2	<25.	25.	
trans-1,2-Dichloroethene	156-60-5	<25.	25.	
Vinyl Acetate	108-05-4	<50.	50.	
1,1-Dichloroethane	75-34-3	<25.	25.	
2-Butanone	78-93-3	400	50.	
cis-1,2-Dichloroethene	156-59-2	<25.	25.	
Chloroform	67-66-3	<25.	25.	
1,1,1-Trichloroethane	71-55-6	<25.	25.	
Carbon tetrachloride	56-23-5	<25.	25.	
1,2-Dichloroethane	107-06-2	<25.	25.	
Benzene	71-43-2	29.	25.	
Trichloroethene	79-01-6	<25.	25.	
1,2-Dichloropropane	78-87-5	<25.	25.	
Bromodichloromethane	75-27-4	<25.	25.	
2-Chloroethylvinylether	110-75-8	<100	100	
4-Methyl-2-Pentanone	108-10-1	16.	50.	J
cis-1,3-Dichloropropene	10061-01-5	<25.	25.	
Toluene	108-88-3	<25.	25.	
trans-1,3-Dichloropropene	10061-02-6	<25.	25.	
2-Hexanone	591-78-6	<50.	50.	
1,1,2-Trichloroethane	79-00-5	<25.	25.	
Tetrachloroethene	127-18-4	<25.	25.	
Dibromochloromethane	124-48-1	<25.	25.	
Chlorobenzene	108-90-7	<25.	25.	
Ethylbenzene	100-41-4	<25.	25.	
m,p-Xylene	136777-61-2	<25.	25.	
o-Xylene	95-47-6	<25.	25.	
Styrene	100-42-5	<25.	25.	
Bromoform	75-25-2	<25.	25.	
1,1,2,2-Tetrachloroethane	79-34-5	<25.	25.	
1,3-Dichlorobenzene	541-73-1	<25.	25.	
1,4-Dichlorobenzene	106-46-7	<25.	25.	
1,2-Dichlorobenzene	95-50-1	<25.	25.	

0220

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXT8	LAL Sample ID:	L7631-5
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	12-AUG-96	Analytical Dilution:	5
Matrix:	Liq. Waste	Analytical Batch ID:	081296-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	113%	84-122
Toluene-d8	100%	87-117
Bromofluorobenzene	95%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<25.	25.	
Vinyl Chloride	75-01-4	<25.	25.	
Bromomethane	74-83-9	<25.	25.	
Chloroethane	75-00-3	<25.	25.	
Trichlorofluoromethane	75-69-4	<25.	25.	
Acetone	67-64-1	960	50.	
1,1-Dichloroethene	75-35-4	<25.	25.	
Carbon Disulfide	75-15-0	<25.	25.	
Methylene Chloride	75-09-2	<25.	25.	
trans-1,2-Dichloroethene	156-60-5	<25.	25.	
Vinyl Acetate	108-05-4	<50.	50.	
1,1-Dichloroethane	75-34-3	<25.	25.	
2-Butanone	78-93-3	870	50.	
cis-1,2-Dichloroethene	156-59-2	<25.	25.	
Chloroform	67-66-3	<25.	25.	
1,1,1-Trichloroethane	71-55-6	<25.	25.	
Carbon tetrachloride	56-23-5	<25.	25.	
1,2-Dichloroethane	107-06-2	<25.	25.	
Benzene	71-43-2	5.2	25.	J
Trichloroethene	79-01-6	<25.	25.	
1,2-Dichloropropane	78-87-5	<25.	25.	
Bromodichloromethane	75-27-4	<25.	25.	
2-Chloroethylvinylether	110-75-8	<100	100	
4-Methyl-2-Pentanone	108-10-1	19.	50.	J
cis-1,3-Dichloropropene	10061-01-5	<25.	25.	
Toluene	108-88-3	<25.	25.	
trans-1,3-Dichloropropene	10061-02-6	<25.	25.	
2-Hexanone	591-78-6	<50.	50.	
1,1,2-Trichloroethane	79-00-5	<25.	25.	
Tetrachloroethene	127-18-4	<25.	25.	
Dibromochloromethane	124-48-1	<25.	25.	
Chlorobenzene	108-90-7	<25.	25.	
Ethylbenzene	100-41-4	<25.	25.	
m,p-Xylene	136777-61-2	<25.	25.	
o-Xylene	95-47-6	<25.	25.	
Styrene	100-42-5	<25.	25.	
Bromoform	75-25-2	<25.	25.	
1,1,2,2-Tetrachloroethane	79-34-5	<25.	25.	
1,3-Dichlorobenzene	541-73-1	<25.	25.	
1,4-Dichlorobenzene	106-46-7	<25.	25.	
1,2-Dichlorobenzene	95-50-1	<25.	25.	

0221

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXV0	LAL Sample ID:	L7631-6
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	12-AUG-96	Analytical Dilution:	5
Matrix:	Liq. Waste	Analytical Batch ID:	081296-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	111%	84-122
Toluene-d8	107%	87-117
Bromofluorobenzene	107%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<25.	25.	
Vinyl Chloride	75-01-4	<25.	25.	
Bromomethane	74-83-9	<25.	25.	
Chloroethane	75-00-3	<25.	25.	
Trichlorofluoromethane	75-69-4	<25.	25.	
Acetone	67-64-1	1100	50.	E
1,1-Dichloroethene	75-35-4	<25.	25.	
Carbon Disulfide	75-15-0	<25.	25.	
Methylene Chloride	75-09-2	<25.	25.	
trans-1,2-Dichloroethene	156-60-5	<25.	25.	
Vinyl Acetate	108-05-4	<50.	50.	
1,1-Dichloroethane	75-34-3	<25.	25.	
2-Butanone	78-93-3	3500	50.	E
cis-1,2-Dichloroethene	156-59-2	<25.	25.	
Chloroform	67-66-3	<25.	25.	
1,1,1-Trichloroethane	71-55-6	<25.	25.	
Carbon tetrachloride	56-23-5	<25.	25.	
1,2-Dichloroethane	107-06-2	<25.	25.	
Benzene	71-43-2	14.	25.	J
Trichloroethene	79-01-6	<25.	25.	
1,2-Dichloropropane	78-87-5	<25.	25.	
Bromodichloromethane	75-27-4	<25.	25.	
2-Chloroethylvinylether	110-75-8	<100	100	
4-Methyl-2-Pentanone	108-10-1	460	50.	
cis-1,3-Dichloropropene	10061-01-5	<25.	25.	
Toluene	108-88-3	<25.	25.	
trans-1,3-Dichloropropene	10061-02-6	<25.	25.	
2-Hexanone	591-78-6	<50.	50.	
1,1,2-Trichloroethane	79-00-5	<25.	25.	
Tetrachloroethene	127-18-4	<25.	25.	
Dibromochloromethane	124-48-1	<25.	25.	
Chlorobenzene	108-90-7	<25.	25.	
Ethylbenzene	100-41-4	<25.	25.	
m,p-Xylene	136777-61-2	<25.	25.	
o-Xylene	95-47-6	<25.	25.	
Styrene	100-42-5	<25.	25.	
Bromoform	75-25-2	<25.	25.	
1,1,2,2-Tetrachloroethane	79-34-5	<25.	25.	
1,3-Dichlorobenzene	541-73-1	<25.	25.	
1,4-Dichlorobenzene	106-46-7	<25.	25.	
1,2-Dichlorobenzene	95-50-1	<25.	25.	

0222

LOCKHEED ANALYTICAL SERVICES

GC/MS FOR VOLATILE ORGANICS
8240 VOLATILES

Client Sample ID:	B0HXV0	LAL Sample ID:	L7631-6
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	12-AUG-96	Analytical Dilution:	10
Matrix:	Liq. Waste	Analytical Batch ID:	081296-8260-E1
		Preparation Dilution:	1.00

SURROGATE	RECOVERY	QC Limits
1,2-Dichloroethane-d4	117%	84-122
Toluene-d8	107%	87-117
Bromofluorobenzene	104%	83-118

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Chloromethane	74-87-3	<50.	50.	
Vinyl Chloride	75-01-4	<50.	50.	
Bromomethane	74-83-9	<50.	50.	
Chloroethane	75-00-3	<50.	50.	
Trichlorofluoromethane	75-69-4	<50.	50.	
Acetone	67-64-1	1100	100	
1,1-Dichloroethene	75-35-4	<50.	50.	
Carbon Disulfide	75-15-0	<50.	50.	
Methylene Chloride	75-09-2	<50.	50.	
trans-1,2-Dichloroethene	156-60-5	<50.	50.	
Vinyl Acetate	108-05-4	<100	100	
1,1-Dichloroethane	75-34-3	<50.	50.	
2-Butanone	78-93-3	3500	100	E
cis-1,2-Dichloroethene	156-59-2	<50.	50.	
Chloroform	67-66-3	<50.	50.	
1,1,1-Trichloroethane	71-55-6	<50.	50.	
Carbon tetrachloride	56-23-5	<50.	50.	
1,2-Dichloroethane	107-06-2	<50.	50.	
Benzene	71-43-2	35.	50.	J
Trichloroethene	79-01-6	<50.	50.	
1,2-Dichloropropane	78-87-5	<50.	50.	
Bromodichloromethane	75-27-4	<50.	50.	
2-Chloroethylvinylether	110-75-8	<200	200	
4-Methyl-2-Pentanone	108-10-1	440	100	
cis-1,3-Dichloropropene	10061-01-5	<50.	50.	
Toluene	108-88-3	<50.	50.	
trans-1,3-Dichloropropene	10061-02-6	<50.	50.	
2-Hexanone	591-78-6	<100	100	
1,1,2-Trichloroethane	79-00-5	<50.	50.	
Tetrachloroethene	127-18-4	<50.	50.	
Dibromochloromethane	124-48-1	<50.	50.	
Chlorobenzene	108-90-7	<50.	50.	
Ethylbenzene	100-41-4	<50.	50.	
m,p-Xylene	136777-61-2	<50.	50.	
o-Xylene	95-47-6	<50.	50.	
Styrene	100-42-5	<50.	50.	
Bromoform	75-25-2	<50.	50.	
1,1,2,2-Tetrachloroethane	79-34-5	<50.	50.	
1,3-Dichlorobenzene	541-73-1	<50.	50.	
1,4-Dichlorobenzene	106-46-7	<50.	50.	
1,2-Dichlorobenzene	95-50-1	<50.	50.	

0223

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT0	LAL Sample ID:	L7544-45
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	8.9%	*	31-110
Phenol-d5	21%	*	27-111
Nitrobenzene-d5	16%	*	40-114
2-Fluorobiphenyl	27%	*	41-111
2,4,6-Tribromophenol	53%		34-147
Terphenyl-d14	56%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	<500	500	
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	<100	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT0	LAL Sample ID:	L7544-45
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	<100	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	300	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0278

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT1	LAL Sample ID:	L7544-46
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	29%	*	31-110
Phenol-d5	39%		27-111
Nitrobenzene-d5	33%	*	40-114
2-Fluorobiphenyl	40%	*	41-111
2,4,6-Tribromophenol	58%		34-147
Terphenyl-d14	55%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	<500	500	
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	<100	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0281

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT1	LAL Sample ID:	L7544-46
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	<100	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	<100	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0282

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS4	LAL Sample ID:	L7544-48
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	83%	31-110
Phenol-d5	84%	27-111
Nitrobenzene-d5	88%	40-114
2-Fluorobiphenyl	93%	41-111
2,4,6-Tribromophenol	101%	34-147
Terphenyl-d14	174% *	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100000	100000	
bis(2-Chloroethyl)ether	111-44-4	<100000	100000	
2-Chlorophenol	95-57-8	<100000	100000	
1,3-Dichlorobenzene	541-73-1	<100000	100000	
1,4-Dichlorobenzene	106-46-7	<100000	100000	
Benzyl alcohol	100-51-6	<200000	200000	
1,2-Dichlorobenzene	95-50-1	<100000	100000	
2-Methylphenol	95-48-7	<100000	100000	
bis(2-chloroisopropyl)ether	108-60-1	<100000	100000	
4-Methylphenol	106-44-5	<100000	100000	
N-Nitroso-di-n-propylamine	621-64-7	<100000	100000	
Hexachloroethane	67-72-1	<100000	100000	
Nitrobenzene	98-95-3	<100000	100000	
Isophorone	78-59-1	<100000	100000	
2-Nitrophenol	88-75-5	<100000	100000	
2,4-Dimethylphenol	105-67-9	<100000	100000	
Benzoic acid	65-85-0	<500000	500000	
bis(2-Chloroethoxy)methane	111-91-1	<100000	100000	
2,4-Dichlorophenol	120-83-2	<100000	100000	
1,2,4-Trichlorobenzene	120-82-1	<100000	100000	
Naphthalene	91-20-3	<100000	100000	
4-Chloroaniline	106-47-8	<200000	200000	
Hexachlorobutadiene	87-68-3	<100000	100000	
4-Chloro-3-methylphenol	59-50-7	<200000	200000	
2-Methylnaphthalene	91-57-6	<100000	100000	
Hexachlorocyclopentadiene	77-47-4	<100000	100000	
2,4,6-Trichlorophenol	88-06-2	<100000	100000	
2,4,5-Trichlorophenol	95-95-4	<100000	100000	
2-Chloronaphthalene	91-58-7	<100000	100000	
2-Nitroaniline	88-74-4	<500000	500000	
Dimethylphthalate	131-11-3	<100000	100000	
Acenaphthylene	208-96-8	<100000	100000	
2,6-Dinitrotoluene	606-20-2	<100000	100000	
3-Nitroaniline	99-09-2	<500000	500000	
Acenaphthene	83-32-9	<100000	100000	
2,4-Dinitrophenol	51-28-5	<500000	500000	
4-Nitrophenol	100-02-7	<500000	500000	

0285

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS4	LAL Sample ID:	L7544-48
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100000	100000	
2,4-Dinitrotoluene	121-14-2	<100000	100000	
Diethylphthalate	84-66-2	<100000	100000	
4-Chlorophenyl-phenylether	7005-72-3	<100000	100000	
Fluorene	86-73-7	<100000	100000	
4-Nitroaniline	100-01-6	<200000	200000	
4,6-Dinitro-2-methylphenol	534-52-1	<500000	500000	
N-Nitrosodiphenylamine (1)	86-30-6	<100000	100000	
4-Bromophenyl-phenylether	101-55-3	<100000	100000	
Hexachlorobenzene	118-74-1	<100000	100000	
Pentachlorophenol	87-86-5	<500000	500000	
Phenanthrene	85-01-8	<100000	100000	
Anthracene	120-12-7	<100000	100000	
Carbazole	86-74-8	<100000	100000	
Di-n-butylphthalate	84-74-2	<100000	100000	
Fluoranthene	206-44-0	<100000	100000	
Pyrene	129-00-0	<100000	100000	
Butylbenzylphthalate	85-68-7	<100000	100000	
3,3'-Dichlorobenzidine	91-94-1	<200000	200000	
Benzo(a)anthracene	56-55-3	<100000	100000	
Chrysene	218-01-9	<100000	100000	
bis(2-Ethylhexyl)phthalate	117-81-7	<100000	100000	
Di-n-octylphthalate	117-84-0	<100000	100000	
Benzo(b)fluoranthene	205-99-2	<100000	100000	
Benzo(k)fluoranthene	207-08-9	<100000	100000	
Benzo(a)pyrene	50-32-8	<100000	100000	
Indeno(1,2,3-cd)pyrene	193-39-5	<100000	100000	
Dibenz(a,h)anthracene	53-70-3	<100000	100000	
Benzo(g,h,i)perylene	191-24-2	<100000	100000	

0286

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS5	LAL Sample ID:	L7544-50
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	86%	31-110
Phenol-d5	91%	27-111
Nitrobenzene-d5	91%	40-114
2-Fluorobiphenyl	102%	41-111
2,4,6-Tribromophenol	101%	34-147
Terphenyl-d14	150% *	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s
Phenol	108-95-2	<100000	100000	
bis(2-Chloroethyl)ether	111-44-4	<100000	100000	
2-Chlorophenol	95-57-8	<100000	100000	
1,3-Dichlorobenzene	541-73-1	<100000	100000	
1,4-Dichlorobenzene	106-46-7	<100000	100000	
Benzyl alcohol	100-51-6	<200000	200000	
1,2-Dichlorobenzene	95-50-1	<100000	100000	
2-Methylphenol	95-48-7	<100000	100000	
bis(2-chloroisopropyl)ether	108-60-1	<100000	100000	
4-Methylphenol	106-44-5	<100000	100000	
N-Nitroso-di-n-propylamine	621-64-7	<100000	100000	
Hexachloroethane	67-72-1	<100000	100000	
Nitrobenzene	98-95-3	<100000	100000	
Isophorone	78-59-1	<100000	100000	
2-Nitrophenol	88-75-5	<100000	100000	
2,4-Dimethylphenol	105-67-9	<100000	100000	
Benzoic acid	65-85-0	<500000	500000	
bis(2-Chloroethoxy)methane	111-91-1	<100000	100000	
2,4-Dichlorophenol	120-83-2	<100000	100000	
1,2,4-Trichlorobenzene	120-82-1	<100000	100000	
Naphthalene	91-20-3	<100000	100000	
4-Chloroaniline	106-47-8	<200000	200000	
Hexachlorobutadiene	87-68-3	<100000	100000	
4-Chloro-3-methylphenol	59-50-7	<200000	200000	
2-Methylnaphthalene	91-57-6	<100000	100000	
Hexachlorocyclopentadiene	77-47-4	<100000	100000	
2,4,6-Trichlorophenol	88-06-2	<100000	100000	
2,4,5-Trichlorophenol	95-95-4	<100000	100000	
2-Chloronaphthalene	91-58-7	<100000	100000	
2-Nitroaniline	88-74-4	<500000	500000	
Dimethylphthalate	131-11-3	<100000	100000	
Acenaphthylene	208-96-8	<100000	100000	
2,6-Dinitrotoluene	606-20-2	<100000	100000	
3-Nitroaniline	99-09-2	<500000	500000	
Acenaphthene	83-32-9	<100000	100000	
2,4-Dinitrophenol	51-28-5	<500000	500000	
4-Nitrophenol	100-02-7	<500000	500000	

0289

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS5	LAL Sample ID:	L7544-50
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s
Dibenzofuran	132-64-9	<100000	100000	
2,4-Dinitrotoluene	121-14-2	<100000	100000	
Diethylphthalate	84-66-2	<100000	100000	
4-Chlorophenyl-phenylether	7005-72-3	<100000	100000	
Fluorene	86-73-7	<100000	100000	
4-Nitroaniline	100-01-6	<200000	200000	
4,6-Dinitro-2-methylphenol	534-52-1	<500000	500000	
N-Nitrosodiphenylamine (1)	86-30-6	<100000	100000	
4-Bromophenyl-phenylether	101-55-3	<100000	100000	
Hexachlorobenzene	118-74-1	<100000	100000	
Pentachlorophenol	87-86-5	<500000	500000	
Phenanthrene	85-01-8	<100000	100000	
Anthracene	120-12-7	<100000	100000	
Carbazole	86-74-8	<100000	100000	
Di-n-butylphthalate	84-74-2	110000	100000	
Fluoranthene	206-44-0	<100000	100000	
Pyrene	129-00-0	<100000	100000	
Butylbenzylphthalate	85-68-7	<100000	100000	
3,3'-Dichlorobenzidine	91-94-1	<200000	200000	
Benzo(a)anthracene	56-55-3	<100000	100000	
Chrysene	218-01-9	<100000	100000	
bis(2-Ethylhexyl)phthalate	117-81-7	<100000	100000	
Di-n-octylphthalate	117-84-0	<100000	100000	
Benzo(b)fluoranthene	205-99-2	<100000	100000	
Benzo(k)fluoranthene	207-08-9	<100000	100000	
Benzo(a)pyrene	50-32-8	<100000	100000	
Indeno(1,2,3-cd)pyrene	193-39-5	<100000	100000	
Dibenz(a,h)anthracene	53-70-3	<100000	100000	
Benzo(g,h,i)perylene	191-24-2	<100000	100000	

0290

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS6	LAL Sample ID:	L7544-52
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	87%		31-110
Phenol-d5	88%		27-111
Nitrobenzene-d5	173%	*	40-114
2-Fluorobiphenyl	139%	*	41-111
2,4,6-Tribromophenol	115%		34-147
Terphenyl-d14	89%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100000	100000	
bis(2-Chloroethyl)ether	111-44-4	<100000	100000	
2-Chlorophenol	95-57-8	<100000	100000	
1,3-Dichlorobenzene	541-73-1	<100000	100000	
1,4-Dichlorobenzene	106-46-7	<100000	100000	
Benzyl alcohol	100-51-6	<200000	200000	
1,2-Dichlorobenzene	95-50-1	<100000	100000	
2-Methylphenol	95-48-7	<100000	100000	
bis(2-chloroisopropyl)ether	108-60-1	<100000	100000	
4-Methylphenol	106-44-5	<100000	100000	
N-Nitroso-di-n-propylamine	621-64-7	<100000	100000	
Hexachloroethane	67-72-1	<100000	100000	
Nitrobenzene	98-95-3	<100000	100000	
Isophorone	78-59-1	<100000	100000	
2-Nitrophenol	88-75-5	<100000	100000	
2,4-Dimethylphenol	105-67-9	<100000	100000	
Benzoic acid	65-85-0	<500000	500000	
bis(2-Chloroethoxy)methane	111-91-1	<100000	100000	
2,4-Dichlorophenol	120-83-2	<100000	100000	
1,2,4-Trichlorobenzene	120-82-1	<100000	100000	
Naphthalene	91-20-3	<100000	100000	
4-Chloroaniline	106-47-8	<200000	200000	
Hexachlorobutadiene	87-68-3	<100000	100000	
4-Chloro-3-methylphenol	59-50-7	<200000	200000	
2-Methylnaphthalene	91-57-6	<100000	100000	
Hexachlorocyclopentadiene	77-47-4	<100000	100000	
2,4,6-Trichlorophenol	88-06-2	<100000	100000	
2,4,5-Trichlorophenol	95-95-4	<100000	100000	
2-Chloronaphthalene	91-58-7	<100000	100000	
2-Nitroaniline	88-74-4	<500000	500000	
Dimethylphthalate	131-11-3	<100000	100000	
Acenaphthylene	208-96-8	<100000	100000	
2,6-Dinitrotoluene	606-20-2	<100000	100000	
3-Nitroaniline	99-09-2	<500000	500000	
Acenaphthene	83-32-9	<100000	100000	
2,4-Dinitrophenol	51-28-5	<500000	500000	
4-Nitrophenol	100-02-7	<500000	500000	

0293

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS6	LAL Sample ID:	L7544-52
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s
Dibenzofuran	132-64-9	<100000	100000	
2,4-Dinitrotoluene	121-14-2	<100000	100000	
Diethylphthalate	84-66-2	<100000	100000	
4-Chlorophenyl-phenylether	7005-72-3	<100000	100000	
Fluorene	86-73-7	<100000	100000	
4-Nitroaniline	100-01-6	<200000	200000	
4,6-Dinitro-2-methylphenol	534-52-1	<500000	500000	
N-Nitrosodiphenylamine (1)	86-30-6	<100000	100000	
4-Bromophenyl-phenylether	101-55-3	<100000	100000	
Hexachlorobenzene	118-74-1	<100000	100000	
Pentachlorophenol	87-86-5	<500000	500000	
Phenanthrene	85-01-8	210000	100000	
Anthracene	120-12-7	<100000	100000	
Carbazole	86-74-8	<100000	100000	
Di-n-butylphthalate	84-74-2	<100000	100000	
Fluoranthene	206-44-0	<100000	100000	
Pyrene	129-00-0	<100000	100000	
Butylbenzylphthalate	85-68-7	<100000	100000	
3,3'-Dichlorobenzidine	91-94-1	<200000	200000	
Benzo(a)anthracene	56-55-3	<100000	100000	
Chrysene	218-01-9	<100000	100000	
bis(2-Ethylhexyl)phthalate	117-81-7	<100000	100000	
Di-n-octylphthalate	117-84-0	<100000	100000	
Benzo(b)fluoranthene	205-99-2	<100000	100000	
Benzo(k)fluoranthene	207-08-9	<100000	100000	
Benzo(a)pyrene	50-32-8	<100000	100000	
Indeno(1,2,3-cd)pyrene	193-39-5	<100000	100000	
Dibenz(a,h)anthracene	53-70-3	<100000	100000	
Benzo(g,h,i)perylene	191-24-2	<100000	100000	

0294

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS8	LAL Sample ID:	L7544-54
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	23% *	31-110
Phenol-d5	38%	27-111
Nitrobenzene-d5	35% *	40-114
2-Fluorobiphenyl	27% *	41-111
2,4,6-Tribromophenol	68%	34-147
Terphenyl-d14	57%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	240	500	J
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	<100	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0297

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS8	LAL Sample ID:	L7544-54
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	22-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082296-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	120	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	210	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0298

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS9	LAL Sample ID:	L7544-56
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	28% *	31-110
Phenol-d5	40%	27-111
Nitrobenzene-d5	38% *	40-114
2-Fluorobiphenyl	48%	41-111
2,4,6-Tribromophenol	50%	34-147
Terphenyl-d14	63%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	<500	500	
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	<100	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0301

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS9	LAL Sample ID:	L7544-56
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	<100	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	26.	100	J
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0302

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS3	LAL Sample ID:	L7544-58
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	18%	*	31-110
Phenol-d5	36%		27-111
Nitrobenzene-d5	36%	*	40-114
2-Fluorobiphenyl	48%		41-111
2,4,6-Tribromophenol	50%		34-147
Terphenyl-d14	59%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	<500	500	
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	1000	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0305

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS3	LAL Sample ID:	L7544-58
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	360	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	<100	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0306

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS7	LAL Sample ID:	L7544-60
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	23% *	31-110
Phenol-d5	38%	27-111
Nitrobenzene-d5	31% *	40-114
2-Fluorobiphenyl	34% *	41-111
2,4,6-Tribromophenol	62%	34-147
Terphenyl-d14	41%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	58.	500	J
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	<100	100	
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0309

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXS7	LAL Sample ID:	L7544-60
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	<100	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	<100	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	<100	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	<100	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0310

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT2	LAL Sample ID:	L7562-1
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	100.

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	9.6%	*	31-110
Phenol-d5	46%		27-111
Nitrobenzene-d5	29%	*	40-114
2-Fluorobiphenyl	14%	*	41-111
2,4,6-Tribromophenol	101%		34-147
Terphenyl-d14	14%	*	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<1000	1000	
bis(2-Chloroethyl)ether	111-44-4	<1000	1000	
2-Chlorophenol	95-57-8	<1000	1000	
1,3-Dichlorobenzene	541-73-1	<1000	1000	
1,4-Dichlorobenzene	106-46-7	<1000	1000	
Benzyl alcohol	100-51-6	<2000	2000	
1,2-Dichlorobenzene	95-50-1	<1000	1000	
2-Methylphenol	95-48-7	<1000	1000	
bis(2-chloroisopropyl)ether	108-60-1	<1000	1000	
4-Methylphenol	106-44-5	<1000	1000	
N-Nitroso-di-n-propylamine	621-64-7	<1000	1000	
Hexachloroethane	67-72-1	<1000	1000	
Nitrobenzene	98-95-3	<1000	1000	
Isophorone	78-59-1	<1000	1000	
2-Nitrophenol	88-75-5	<1000	1000	
2,4-Dimethylphenol	105-67-9	<1000	1000	
Benzoic acid	65-85-0	<5000	5000	
bis(2-Chloroethoxy)methane	111-91-1	<1000	1000	
2,4-Dichlorophenol	120-83-2	<1000	1000	
1,2,4-Trichlorobenzene	120-82-1	<1000	1000	
Naphthalene	91-20-3	<1000	1000	
4-Chloroaniline	106-47-8	<2000	2000	
Hexachlorobutadiene	87-68-3	<1000	1000	
4-Chloro-3-methylphenol	59-50-7	<2000	2000	
2-Methylnaphthalene	91-57-6	<1000	1000	
Hexachlorocyclopentadiene	77-47-4	<1000	1000	
2,4,6-Trichlorophenol	88-06-2	<1000	1000	
2,4,5-Trichlorophenol	95-95-4	<1000	1000	
2-Chloronaphthalene	91-58-7	<1000	1000	
2-Nitroaniline	88-74-4	<5000	5000	
Dimethylphthalate	131-11-3	<1000	1000	
Acenaphthylene	208-96-8	<1000	1000	
2,6-Dinitrotoluene	606-20-2	<1000	1000	
3-Nitroaniline	99-09-2	<5000	5000	
Acenaphthene	83-32-9	<1000	1000	
2,4-Dinitrophenol	51-28-5	<5000	5000	
4-Nitrophenol	100-02-7	<5000	5000	

0313

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT2	LAL Sample ID:	L7562-1
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	100.

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<1000	1000	
2,4-Dinitrotoluene	121-14-2	<1000	1000	
Diethylphthalate	84-66-2	<1000	1000	
4-Chlorophenyl-phenylether	7005-72-3	<1000	1000	
Fluorene	86-73-7	<1000	1000	
4-Nitroaniline	100-01-6	<2000	2000	
4,6-Dinitro-2-methylphenol	534-52-1	<5000	5000	
N-Nitrosodiphenylamine (1)	86-30-6	<1000	1000	
4-Bromophenyl-phenylether	101-55-3	<1000	1000	
Hexachlorobenzene	118-74-1	<1000	1000	
Pentachlorophenol	87-86-5	<5000	5000	
Phenanthrene	85-01-8	<1000	1000	
Anthracene	120-12-7	<1000	1000	
Carbazole	86-74-8	<1000	1000	
Di-n-butylphthalate	84-74-2	<1000	1000	
Fluoranthene	206-44-0	<1000	1000	
Pyrene	129-00-0	<1000	1000	
Butylbenzylphthalate	85-68-7	<1000	1000	
3,3'-Dichlorobenzidine	91-94-1	<2000	2000	
Benzo(a)anthracene	56-55-3	<1000	1000	
Chrysene	218-01-9	<1000	1000	
bis(2-Ethylhexyl)phthalate	117-81-7	<1000	1000	
Di-n-octylphthalate	117-84-0	<1000	1000	
Benzo(b)fluoranthene	205-99-2	<1000	1000	
Benzo(k)fluoranthene	207-08-9	<1000	1000	
Benzo(a)pyrene	50-32-8	<1000	1000	
Indeno(1,2,3-cd)pyrene	193-39-5	<1000	1000	
Dibenz(a,h)anthracene	53-70-3	<1000	1000	
Benzo(g,h,i)perylene	191-24-2	<1000	1000	

0314

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV2	LAL Sample ID:	L7562-2
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	4000

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	5.5% *	31-110
Phenol-d5	36%	27-111
Nitrobenzene-d5	40%	40-114
2-Fluorobiphenyl	51%	41-111
2,4,6-Tribromophenol	56%	34-147
Terphenyl-d14	53%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<40000	40000	
bis(2-Chloroethyl)ether	111-44-4	<40000	40000	
2-Chlorophenol	95-57-8	<40000	40000	
1,3-Dichlorobenzene	541-73-1	<40000	40000	
1,4-Dichlorobenzene	106-46-7	<40000	40000	
Benzyl alcohol	100-51-6	<80000	80000	
1,2-Dichlorobenzene	95-50-1	<40000	40000	
2-Methylphenol	95-48-7	<40000	40000	
bis(2-chloroisopropyl)ether	108-60-1	<40000	40000	
4-Methylphenol	106-44-5	<40000	40000	
N-Nitroso-di-n-propylamine	621-64-7	<40000	40000	
Hexachloroethane	67-72-1	<40000	40000	
Nitrobenzene	98-95-3	<40000	40000	
Isophorone	78-59-1	<40000	40000	
2-Nitrophenol	88-75-5	<40000	40000	
2,4-Dimethylphenol	105-67-9	<40000	40000	
Benzoic acid	65-85-0	<200000	200000	
bis(2-Chloroethoxy)methane	111-91-1	<40000	40000	
2,4-Dichlorophenol	120-83-2	<40000	40000	
1,2,4-Trichlorobenzene	120-82-1	<40000	40000	
Naphthalene	91-20-3	<40000	40000	
4-Chloroaniline	106-47-8	<80000	80000	
Hexachlorobutadiene	87-68-3	<40000	40000	
4-Chloro-3-methylphenol	59-50-7	<80000	80000	
2-Methylnaphthalene	91-57-6	<40000	40000	
Hexachlorocyclopentadiene	77-47-4	<40000	40000	
2,4,6-Trichlorophenol	88-06-2	<40000	40000	
2,4,5-Trichlorophenol	95-95-4	<40000	40000	
2-Chloronaphthalene	91-58-7	<40000	40000	
2-Nitroaniline	88-74-4	<200000	200000	
Dimethylphthalate	131-11-3	<40000	40000	
Acenaphthylene	208-96-8	<40000	40000	
2,6-Dinitrotoluene	606-20-2	<40000	40000	
3-Nitroaniline	99-09-2	<200000	200000	
Acenaphthene	83-32-9	<40000	40000	
2,4-Dinitrophenol	51-28-5	<200000	200000	
4-Nitrophenol	100-02-7	<200000	200000	

0317

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV2	LAL Sample ID:	L7562-2
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	4000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<40000	40000	
2,4-Dinitrotoluene	121-14-2	<40000	40000	
Diethylphthalate	84-66-2	<40000	40000	
4-Chlorophenyl-phenylether	7005-72-3	<40000	40000	
Fluorene	86-73-7	<40000	40000	
4-Nitroaniline	100-01-6	<80000	80000	
4,6-Dinitro-2-methylphenol	534-52-1	<200000	200000	
N-Nitrosodiphenylamine (1)	86-30-6	<40000	40000	
4-Bromophenyl-phenylether	101-55-3	<40000	40000	
Hexachlorobenzene	118-74-1	<40000	40000	
Pentachlorophenol	87-86-5	<200000	200000	
Phenanthrene	85-01-8	<40000	40000	
Anthracene	120-12-7	<40000	40000	
Carbazole	86-74-8	<40000	40000	
Di-n-butylphthalate	84-74-2	<40000	40000	
Fluoranthene	206-44-0	<40000	40000	
Pyrene	129-00-0	<40000	40000	
Butylbenzylphthalate	85-68-7	<40000	40000	
3,3'-Dichlorobenzidine	91-94-1	<80000	80000	
Benzo(a)anthracene	56-55-3	<40000	40000	
Chrysene	218-01-9	<40000	40000	
bis(2-Ethylhexyl)phthalate	117-81-7	<40000	40000	
Di-n-octylphthalate	117-84-0	<40000	40000	
Benzo(b)fluoranthene	205-99-2	<40000	40000	
Benzo(k)fluoranthene	207-08-9	<40000	40000	
Benzo(a)pyrene	50-32-8	<40000	40000	
Indeno(1,2,3-cd)pyrene	193-39-5	<40000	40000	
Dibenz(a,h)anthracene	53-70-3	<40000	40000	
Benzo(g,h,i)perylene	191-24-2	<40000	40000	

0318

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT4	LAL Sample ID:	L7562-3
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	134%	*	31-110
Phenol-d5	131%	*	27-111
Nitrobenzene-d5	2190%	*	40-114
2-Fluorobiphenyl	71%		41-111
2,4,6-Tribromophenol	163%	*	34-147
Terphenyl-d14	87%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100000	100000	
bis(2-Chloroethyl)ether	111-44-4	<100000	100000	
2-Chlorophenol	95-57-8	<100000	100000	
1,3-Dichlorobenzene	541-73-1	<100000	100000	
1,4-Dichlorobenzene	106-46-7	<100000	100000	
Benzyl alcohol	100-51-6	<200000	200000	
1,2-Dichlorobenzene	95-50-1	<100000	100000	
2-Methylphenol	95-48-7	<100000	100000	
bis(2-chloroisopropyl)ether	108-60-1	<100000	100000	
4-Methylphenol	106-44-5	<100000	100000	
N-Nitroso-di-n-propylamine	621-64-7	<100000	100000	
Hexachloroethane	67-72-1	<100000	100000	
Nitrobenzene	98-95-3	<100000	100000	
Isophorone	78-59-1	<100000	100000	
2-Nitrophenol	88-75-5	<100000	100000	
2,4-Dimethylphenol	105-67-9	<100000	100000	
Benzoic acid	65-85-0	<500000	500000	
bis(2-Chloroethoxy)methane	111-91-1	<100000	100000	
2,4-Dichlorophenol	120-83-2	<100000	100000	
1,2,4-Trichlorobenzene	120-82-1	<100000	100000	
Naphthalene	91-20-3	<100000	100000	
4-Chloroaniline	106-47-8	<200000	200000	
Hexachlorobutadiene	87-68-3	<100000	100000	
4-Chloro-3-methylphenol	59-50-7	<200000	200000	
2-Methylnaphthalene	91-57-6	240000	100000	
Hexachlorocyclopentadiene	77-47-4	<100000	100000	
2,4,6-Trichlorophenol	88-06-2	<100000	100000	
2,4,5-Trichlorophenol	95-95-4	<100000	100000	
2-Chloronaphthalene	91-58-7	<100000	100000	
2-Nitroaniline	88-74-4	<500000	500000	
Dimethylphthalate	131-11-3	<100000	100000	
Acenaphthylene	208-96-8	<100000	100000	
2,6-Dinitrotoluene	606-20-2	<100000	100000	
3-Nitroaniline	99-09-2	<500000	500000	
Acenaphthene	83-32-9	<100000	100000	
2,4-Dinitrophenol	51-28-5	<500000	500000	
4-Nitrophenol	100-02-7	<500000	500000	

0321

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT4	LAL Sample ID:	L7562-3
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_39850	Analytical Dilution:	1
		Preparation Dilution:	10000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100000	100000	
2,4-Dinitrotoluene	121-14-2	<100000	100000	
Diethylphthalate	84-66-2	<100000	100000	
4-Chlorophenyl-phenylether	7005-72-3	<100000	100000	
Fluorene	86-73-7	<100000	100000	
4-Nitroaniline	100-01-6	<200000	200000	
4,6-Dinitro-2-methylphenol	534-52-1	<500000	500000	
N-Nitrosodiphenylamine (1)	86-30-6	<100000	100000	
4-Bromophenyl-phenylether	101-55-3	<100000	100000	
Hexachlorobenzene	118-74-1	<100000	100000	
Pentachlorophenol	87-86-5	<500000	500000	
Phenanthrene	85-01-8	<100000	100000	
Anthracene	120-12-7	<100000	100000	
Carbazole	86-74-8	<100000	100000	
Di-n-butylphthalate	84-74-2	<100000	100000	
Fluoranthene	206-44-0	<100000	100000	
Pyrene	129-00-0	<100000	100000	
Butylbenzylphthalate	85-68-7	<100000	100000	
3,3'-Dichlorobenzidine	91-94-1	<200000	200000	
Benzo(a)anthracene	56-55-3	<100000	100000	
Chrysene	218-01-9	<100000	100000	
bis(2-Ethylhexyl)phthalate	117-81-7	57000	100000	J
Di-n-octylphthalate	117-84-0	<100000	100000	
Benzo(b)fluoranthene	205-99-2	<100000	100000	
Benzo(k)fluoranthene	207-08-9	<100000	100000	
Benzo(a)pyrene	50-32-8	<100000	100000	
Indeno(1,2,3-cd)pyrene	193-39-5	<100000	100000	
Dibenz(a,h)anthracene	53-70-3	<100000	100000	
Benzo(g,h,i)perylene	191-24-2	<100000	100000	

0322

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT5	LAL Sample ID:	L7562-4
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	14-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39927	Analytical Dilution:	1
		Preparation Dilution:	1000

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	38%	31-110
Phenol-d5	41%	27-111
Nitrobenzene-d5	41%	40-114
2-Fluorobiphenyl	69%	41-111
2,4,6-Tribromophenol	51%	34-147
Terphenyl-d14	47%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<10000	10000	
bis(2-Chloroethyl)ether	111-44-4	<10000	10000	
2-Chlorophenol	95-57-8	<10000	10000	
1,3-Dichlorobenzene	541-73-1	<10000	10000	
1,4-Dichlorobenzene	106-46-7	<10000	10000	
Benzyl alcohol	100-51-6	<20000	20000	
1,2-Dichlorobenzene	95-50-1	<10000	10000	
2-Methylphenol	95-48-7	<10000	10000	
bis(2-chloroisopropyl)ether	108-60-1	<10000	10000	
4-Methylphenol	106-44-5	<10000	10000	
N-Nitroso-di-n-propylamine	621-64-7	<10000	10000	
Hexachloroethane	67-72-1	<10000	10000	
Nitrobenzene	98-95-3	<10000	10000	
Isophorone	78-59-1	<10000	10000	
2-Nitrophenol	88-75-5	<10000	10000	
2,4-Dimethylphenol	105-67-9	<10000	10000	
Benzoic acid	65-85-0	<50000	50000	
bis(2-Chloroethoxy)methane	111-91-1	<10000	10000	
2,4-Dichlorophenol	120-83-2	<10000	10000	
1,2,4-Trichlorobenzene	120-82-1	<10000	10000	
Naphthalene	91-20-3	<10000	10000	
4-Chloroaniline	106-47-8	<20000	20000	
Hexachlorobutadiene	87-68-3	<10000	10000	
4-Chloro-3-methylphenol	59-50-7	<20000	20000	
2-Methylnaphthalene	91-57-6	<10000	10000	
Hexachlorocyclopentadiene	77-47-4	<10000	10000	
2,4,6-Trichlorophenol	88-06-2	<10000	10000	
2,4,5-Trichlorophenol	95-95-4	<10000	10000	
2-Chloronaphthalene	91-58-7	<10000	10000	
2-Nitroaniline	88-74-4	<50000	50000	
Dimethylphthalate	131-11-3	<10000	10000	
Acenaphthylene	208-96-8	<10000	10000	
2,6-Dinitrotoluene	606-20-2	<10000	10000	
3-Nitroaniline	99-09-2	<50000	50000	
Acenaphthene	83-32-9	<10000	10000	
2,4-Dinitrophenol	51-28-5	<50000	50000	
4-Nitrophenol	100-02-7	<50000	50000	

0325

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT5	LAL Sample ID:	L7562-4
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	14-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39927	Analytical Dilution:	1
		Preparation Dilution:	1000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<10000	10000	
2,4-Dinitrotoluene	121-14-2	<10000	10000	
Diethylphthalate	84-66-2	<10000	10000	
4-Chlorophenyl-phenylether	7005-72-3	<10000	10000	
Fluorene	86-73-7	<10000	10000	
4-Nitroaniline	100-01-6	<20000	20000	
4,6-Dinitro-2-methylphenol	534-52-1	<50000	50000	
N-Nitrosodiphenylamine (1)	86-30-6	<10000	10000	
4-Bromophenyl-phenylether	101-55-3	<10000	10000	
Hexachlorobenzene	118-74-1	<10000	10000	
Pentachlorophenol	87-86-5	<50000	50000	
Phenanthrene	85-01-8	<10000	10000	
Anthracene	120-12-7	<10000	10000	
Carbazole	86-74-8	<10000	10000	
Di-n-butylphthalate	84-74-2	<10000	10000	
Fluoranthene	206-44-0	<10000	10000	
Pyrene	129-00-0	<10000	10000	
Butylbenzylphthalate	85-68-7	<10000	10000	
3,3'-Dichlorobenzidine	91-94-1	<20000	20000	
Benzo(a)anthracene	56-55-3	<10000	10000	
Chrysene	218-01-9	<10000	10000	
bis(2-Ethylhexyl)phthalate	117-81-7	<10000	10000	
Di-n-octylphthalate	117-84-0	<10000	10000	
Benzo(b)fluoranthene	205-99-2	<10000	10000	
Benzo(k)fluoranthene	207-08-9	<10000	10000	
Benzo(a)pyrene	50-32-8	<10000	10000	
Indeno(1,2,3-cd)pyrene	193-39-5	<10000	10000	
Dibenz(a,h)anthracene	53-70-3	<10000	10000	
Benzo(g,h,i)perylene	191-24-2	<10000	10000	

0326

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT7	LAL Sample ID:	L7562-5
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	100.

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	4.8%	*	31-110
Phenol-d5	17%	*	27-111
Nitrobenzene-d5	36%	*	40-114
2-Fluorobiphenyl	36%	*	41-111
2,4,6-Tribromophenol	47%		34-147
Terphenyl-d14	44%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<1000	1000	
bis(2-Chloroethyl)ether	111-44-4	<1000	1000	
2-Chlorophenol	95-57-8	<1000	1000	
1,3-Dichlorobenzene	541-73-1	<1000	1000	
1,4-Dichlorobenzene	106-46-7	<1000	1000	
Benzyl alcohol	100-51-6	<2000	2000	
1,2-Dichlorobenzene	95-50-1	<1000	1000	
2-Methylphenol	95-48-7	<1000	1000	
bis(2-chloroisopropyl)ether	108-60-1	<1000	1000	
4-Methylphenol	106-44-5	<1000	1000	
N-Nitroso-di-n-propylamine	621-64-7	<1000	1000	
Hexachloroethane	67-72-1	<1000	1000	
Nitrobenzene	98-95-3	<1000	1000	
Isophorone	78-59-1	<1000	1000	
2-Nitrophenol	88-75-5	<1000	1000	
2,4-Dimethylphenol	105-67-9	<1000	1000	
Benzoic acid	65-85-0	<5000	5000	
bis(2-Chloroethoxy)methane	111-91-1	<1000	1000	
2,4-Dichlorophenol	120-83-2	<1000	1000	
1,2,4-Trichlorobenzene	120-82-1	<1000	1000	
Naphthalene	91-20-3	<1000	1000	
4-Chloroaniline	106-47-8	<2000	2000	
Hexachlorobutadiene	87-68-3	<1000	1000	
4-Chloro-3-methylphenol	59-50-7	<2000	2000	
2-Methylnaphthalene	91-57-6	<1000	1000	
Hexachlorocyclopentadiene	77-47-4	<1000	1000	
2,4,6-Trichlorophenol	88-06-2	<1000	1000	
2,4,5-Trichlorophenol	95-95-4	<1000	1000	
2-Chloronaphthalene	91-58-7	<1000	1000	
2-Nitroaniline	88-74-4	<5000	5000	
Dimethylphthalate	131-11-3	4100	1000	
Acenaphthylene	208-96-8	<1000	1000	
2,6-Dinitrotoluene	606-20-2	<1000	1000	
3-Nitroaniline	99-09-2	<5000	5000	
Acenaphthene	83-32-9	<1000	1000	
2,4-Dinitrophenol	51-28-5	<5000	5000	
4-Nitrophenol	100-02-7	<5000	5000	

0327

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT7	LAL Sample ID:	L7562-5
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	100.

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<1000	1000	
2,4-Dinitrotoluene	121-14-2	<1000	1000	
Diethylphthalate	84-66-2	<1000	1000	
4-Chlorophenyl-phenylether	7005-72-3	<1000	1000	
Fluorene	86-73-7	<1000	1000	
4-Nitroaniline	100-01-6	<2000	2000	
4,6-Dinitro-2-methylphenol	534-52-1	<5000	5000	
N-Nitrosodiphenylamine (1)	86-30-6	<1000	1000	
4-Bromophenyl-phenylether	101-55-3	<1000	1000	
Hexachlorobenzene	118-74-1	<1000	1000	
Pentachlorophenol	87-86-5	<5000	5000	
Phenanthrene	85-01-8	<1000	1000	
Anthracene	120-12-7	<1000	1000	
Carbazole	86-74-8	<1000	1000	
Di-n-butylphthalate	84-74-2	<1000	1000	
Fluoranthene	206-44-0	<1000	1000	
Pyrene	129-00-0	<1000	1000	
Butylbenzylphthalate	85-68-7	<1000	1000	
3,3'-Dichlorobenzidine	91-94-1	<2000	2000	
Benzo(a)anthracene	56-55-3	<1000	1000	
Chrysene	218-01-9	<1000	1000	
bis(2-Ethylhexyl)phthalate	117-81-7	<1000	1000	
Di-n-octylphthalate	117-84-0	<1000	1000	
Benzo(b)fluoranthene	205-99-2	<1000	1000	
Benzo(k)fluoranthene	207-08-9	<1000	1000	
Benzo(a)pyrene	50-32-8	<1000	1000	
Indeno(1,2,3-cd)pyrene	193-39-5	<1000	1000	
Dibenz(a,h)anthracene	53-70-3	<1000	1000	
Benzo(g,h,i)perylene	191-24-2	<1000	1000	

0328

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT9	LAL Sample ID:	L7562-6
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	200.

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	38%	31-110
Phenol-d5	56%	27-111
Nitrobenzene-d5	44%	40-114
2-Fluorobiphenyl	52%	41-111
2,4,6-Tribromophenol	79%	34-147
Terphenyl-d14	123%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<2000	2000	
bis(2-Chloroethyl)ether	111-44-4	<2000	2000	
2-Chlorophenol	95-57-8	<2000	2000	
1,3-Dichlorobenzene	541-73-1	<2000	2000	
1,4-Dichlorobenzene	106-46-7	<2000	2000	
Benzyl alcohol	100-51-6	<4000	4000	
1,2-Dichlorobenzene	95-50-1	<2000	2000	
2-Methylphenol	95-48-7	<2000	2000	
bis(2-chloroisopropyl)ether	108-60-1	<2000	2000	
4-Methylphenol	106-44-5	<2000	2000	
N-Nitroso-di-n-propylamine	621-64-7	<2000	2000	
Hexachloroethane	67-72-1	<2000	2000	
Nitrobenzene	98-95-3	<2000	2000	
Isophorone	78-59-1	<2000	2000	
2-Nitrophenol	88-75-5	<2000	2000	
2,4-Dimethylphenol	105-67-9	<2000	2000	
Benzoic acid	65-85-0	<10000	10000	
bis(2-Chloroethoxy)methane	111-91-1	<2000	2000	
2,4-Dichlorophenol	120-83-2	<2000	2000	
1,2,4-Trichlorobenzene	120-82-1	<2000	2000	
Naphthalene	91-20-3	<2000	2000	
4-Chloroaniline	106-47-8	<4000	4000	
Hexachlorobutadiene	87-68-3	<2000	2000	
4-Chloro-3-methylphenol	59-50-7	<4000	4000	
2-Methylnaphthalene	91-57-6	<2000	2000	
Hexachlorocyclopentadiene	77-47-4	<2000	2000	
2,4,6-Trichlorophenol	88-06-2	<2000	2000	
2,4,5-Trichlorophenol	95-95-4	<2000	2000	
2-Chloronaphthalene	91-58-7	<2000	2000	
2-Nitroaniline	88-74-4	<10000	10000	
Dimethylphthalate	131-11-3	<2000	2000	
Acenaphthylene	208-96-8	<2000	2000	
2,6-Dinitrotoluene	606-20-2	<2000	2000	
3-Nitroaniline	99-09-2	<10000	10000	
Acenaphthene	83-32-9	<2000	2000	
2,4-Dinitrophenol	51-28-5	<10000	10000	
4-Nitrophenol	100-02-7	<10000	10000	

0331

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT9	LAL Sample ID:	L7562-6
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	21-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082196-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	200.

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<2000	2000	
2,4-Dinitrotoluene	121-14-2	<2000	2000	
Diethylphthalate	84-66-2	<2000	2000	
4-Chlorophenyl-phenylether	7005-72-3	<2000	2000	
Fluorene	86-73-7	<2000	2000	
4-Nitroaniline	100-01-6	<4000	4000	
4,6-Dinitro-2-methylphenol	534-52-1	<10000	10000	
N-Nitrosodiphenylamine (1)	86-30-6	<2000	2000	
4-Bromophenyl-phenylether	101-55-3	<2000	2000	
Hexachlorobenzene	118-74-1	<2000	2000	
Pentachlorophenol	87-86-5	<10000	10000	
Phenanthrene	85-01-8	<2000	2000	
Anthracene	120-12-7	<2000	2000	
Carbazole	86-74-8	<2000	2000	
Di-n-butylphthalate	84-74-2	<2000	2000	
Fluoranthene	206-44-0	<2000	2000	
Pyrene	129-00-0	<2000	2000	
Butylbenzylphthalate	85-68-7	<2000	2000	
3,3'-Dichlorobenzidine	91-94-1	<4000	4000	
Benzo(a)anthracene	56-55-3	<2000	2000	
Chrysene	218-01-9	<2000	2000	
bis(2-Ethylhexyl)phthalate	117-81-7	8700	2000	
Di-n-octylphthalate	117-84-0	<2000	2000	
Benzo(b)fluoranthene	205-99-2	<2000	2000	
Benzo(k)fluoranthene	207-08-9	<2000	2000	
Benzo(a)pyrene	50-32-8	<2000	2000	
Indeno(1,2,3-cd)pyrene	193-39-5	<2000	2000	
Dibenz(a,h)anthracene	53-70-3	<2000	2000	
Benzo(g,h,i)perylene	191-24-2	<2000	2000	

0332

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV1	LAL Sample ID:	L7562-7
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	24-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082496-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	62%	31-110
Phenol-d5	67%	27-111
Nitrobenzene-d5	68%	40-114
2-Fluorobiphenyl	63%	41-111
2,4,6-Tribromophenol	87%	34-147
Terphenyl-d14	82%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<100	100	
bis(2-Chloroethyl)ether	111-44-4	<100	100	
2-Chlorophenol	95-57-8	<100	100	
1,3-Dichlorobenzene	541-73-1	<100	100	
1,4-Dichlorobenzene	106-46-7	<100	100	
Benzyl alcohol	100-51-6	<200	200	
1,2-Dichlorobenzene	95-50-1	<100	100	
2-Methylphenol	95-48-7	<100	100	
bis(2-chloroisopropyl)ether	108-60-1	<100	100	
4-Methylphenol	106-44-5	<100	100	
N-Nitroso-di-n-propylamine	621-64-7	<100	100	
Hexachloroethane	67-72-1	<100	100	
Nitrobenzene	98-95-3	<100	100	
Isophorone	78-59-1	<100	100	
2-Nitrophenol	88-75-5	<100	100	
2,4-Dimethylphenol	105-67-9	<100	100	
Benzoic acid	65-85-0	290	500	J
bis(2-Chloroethoxy)methane	111-91-1	<100	100	
2,4-Dichlorophenol	120-83-2	<100	100	
1,2,4-Trichlorobenzene	120-82-1	<100	100	
Naphthalene	91-20-3	<100	100	
4-Chloroaniline	106-47-8	<200	200	
Hexachlorobutadiene	87-68-3	<100	100	
4-Chloro-3-methylphenol	59-50-7	<200	200	
2-Methylnaphthalene	91-57-6	<100	100	
Hexachlorocyclopentadiene	77-47-4	<100	100	
2,4,6-Trichlorophenol	88-06-2	<100	100	
2,4,5-Trichlorophenol	95-95-4	<100	100	
2-Chloronaphthalene	91-58-7	<100	100	
2-Nitroaniline	88-74-4	<500	500	
Dimethylphthalate	131-11-3	1800	100	E
Acenaphthylene	208-96-8	<100	100	
2,6-Dinitrotoluene	606-20-2	<100	100	
3-Nitroaniline	99-09-2	<500	500	
Acenaphthene	83-32-9	<100	100	
2,4-Dinitrophenol	51-28-5	<500	500	
4-Nitrophenol	100-02-7	<500	500	

0335

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV1	LAL Sample ID:	L7562-7
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	24-AUG-96	Date Extracted:	06-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082496-8270-A
QC Group:	8270 SEMI-VOLATILES_39859	Analytical Dilution:	1
		Preparation Dilution:	10.0

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<100	100	
2,4-Dinitrotoluene	121-14-2	<100	100	
Diethylphthalate	84-66-2	180	100	
4-Chlorophenyl-phenylether	7005-72-3	<100	100	
Fluorene	86-73-7	<100	100	
4-Nitroaniline	100-01-6	<200	200	
4,6-Dinitro-2-methylphenol	534-52-1	<500	500	
N-Nitrosodiphenylamine (1)	86-30-6	<100	100	
4-Bromophenyl-phenylether	101-55-3	<100	100	
Hexachlorobenzene	118-74-1	<100	100	
Pentachlorophenol	87-86-5	<500	500	
Phenanthrene	85-01-8	<100	100	
Anthracene	120-12-7	<100	100	
Carbazole	86-74-8	<100	100	
Di-n-butylphthalate	84-74-2	270	100	
Fluoranthene	206-44-0	<100	100	
Pyrene	129-00-0	<100	100	
Butylbenzylphthalate	85-68-7	180	100	
3,3'-Dichlorobenzidine	91-94-1	<200	200	
Benzo(a)anthracene	56-55-3	<100	100	
Chrysene	218-01-9	<100	100	
bis(2-Ethylhexyl)phthalate	117-81-7	470	100	
Di-n-octylphthalate	117-84-0	<100	100	
Benzo(b)fluoranthene	205-99-2	<100	100	
Benzo(k)fluoranthene	207-08-9	<100	100	
Benzo(a)pyrene	50-32-8	<100	100	
Indeno(1,2,3-cd)pyrene	193-39-5	<100	100	
Dibenz(a,h)anthracene	53-70-3	<100	100	
Benzo(g,h,i)perylene	191-24-2	<100	100	

0336

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT3	LAL Sample ID:	L7631-1
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	1000

SURROGATE	RECOVERY	QC Limits
2-Fluorophenol	5.7% *	31-110
Phenol-d5	44%	27-111
Nitrobenzene-d5	68%	40-114
2-Fluorobiphenyl	71%	41-111
2,4,6-Tribromophenol	40%	34-147
Terphenyl-d14	73%	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<10000	10000	
bis(2-Chloroethyl)ether	111-44-4	<10000	10000	
2-Chlorophenol	95-57-8	<10000	10000	
1,3-Dichlorobenzene	541-73-1	<10000	10000	
1,4-Dichlorobenzene	106-46-7	<10000	10000	
Benzyl alcohol	100-51-6	<20000	20000	
1,2-Dichlorobenzene	95-50-1	<10000	10000	
2-Methylphenol	95-48-7	<10000	10000	
bis(2-chloroisopropyl)ether	108-60-1	<10000	10000	
4-Methylphenol	106-44-5	<10000	10000	
N-Nitroso-di-n-propylamine	621-64-7	<10000	10000	
Hexachloroethane	67-72-1	<10000	10000	
Nitrobenzene	98-95-3	<10000	10000	
Isophorone	78-59-1	<10000	10000	
2-Nitrophenol	88-75-5	<10000	10000	
2,4-Dimethylphenol	105-67-9	<10000	10000	
Benzoic acid	65-85-0	<50000	50000	
bis(2-Chloroethoxy)methane	111-91-1	<10000	10000	
2,4-Dichlorophenol	120-83-2	<10000	10000	
1,2,4-Trichlorobenzene	120-82-1	<10000	10000	
Naphthalene	91-20-3	<10000	10000	
4-Chloroaniline	106-47-8	<20000	20000	
Hexachlorobutadiene	87-68-3	<10000	10000	
4-Chloro-3-methylphenol	59-50-7	<20000	20000	
2-Methylnaphthalene	91-57-6	<10000	10000	
Hexachlorocyclopentadiene	77-47-4	<10000	10000	
2,4,6-Trichlorophenol	88-06-2	<10000	10000	
2,4,5-Trichlorophenol	95-95-4	<10000	10000	
2-Chloronaphthalene	91-58-7	<10000	10000	
2-Nitroaniline	88-74-4	<50000	50000	
Dimethylphthalate	131-11-3	<10000	10000	
Acenaphthylene	208-96-8	<10000	10000	
2,6-Dinitrotoluene	606-20-2	<10000	10000	
3-Nitroaniline	99-09-2	<50000	50000	
Acenaphthene	83-32-9	<10000	10000	
2,4-Dinitrophenol	51-28-5	<50000	50000	
4-Nitrophenol	100-02-7	<50000	50000	

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LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT3	LAL Sample ID:	L7631-1
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	1000

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<10000	10000	
2,4-Dinitrotoluene	121-14-2	<10000	10000	
Diethylphthalate	84-66-2	<10000	10000	
4-Chlorophenyl-phenylether	7005-72-3	<10000	10000	
Fluorene	86-73-7	<10000	10000	
4-Nitroaniline	100-01-6	<20000	20000	
4,6-Dinitro-2-methylphenol	534-52-1	<50000	50000	
N-Nitrosodiphenylamine (1)	86-30-6	<10000	10000	
4-Bromophenyl-phenylether	101-55-3	<10000	10000	
Hexachlorobenzene	118-74-1	<10000	10000	
Pentachlorophenol	87-86-5	<50000	50000	
Phenanthrene	85-01-8	<10000	10000	
Anthracene	120-12-7	<10000	10000	
Carbazole	86-74-8	<10000	10000	
Di-n-butylphthalate	84-74-2	<10000	10000	
Fluoranthene	206-44-0	<10000	10000	
Pyrene	129-00-0	<10000	10000	
Butylbenzylphthalate	85-68-7	<10000	10000	
3,3'-Dichlorobenzidine	91-94-1	<20000	20000	
Benzo(a)anthracene	56-55-3	<10000	10000	
Chrysene	218-01-9	<10000	10000	
bis(2-Ethylhexyl)phthalate	117-81-7	<10000	10000	
Di-n-octylphthalate	117-84-0	<10000	10000	
Benzo(b)fluoranthene	205-99-2	<10000	10000	
Benzo(k)fluoranthene	207-08-9	<10000	10000	
Benzo(a)pyrene	50-32-8	<10000	10000	
Indeno(1,2,3-cd)pyrene	193-39-5	<10000	10000	
Dibenz(a,h)anthracene	53-70-3	<10000	10000	
Benzo(g,h,i)perylene	191-24-2	<10000	10000	

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT6	LAL Sample ID:	L7631-3
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	100.

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	14%	*	31-110
Phenol-d5	31%		27-111
Nitrobenzene-d5	53%		40-114
2-Fluorobiphenyl	33%	*	41-111
2,4,6-Tribromophenol	43%		34-147
Terphenyl-d14	3.9%	*	33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<1000	1000	
bis(2-Chloroethyl)ether	111-44-4	<1000	1000	
2-Chlorophenol	95-57-8	<1000	1000	
1,3-Dichlorobenzene	541-73-1	<1000	1000	
1,4-Dichlorobenzene	106-46-7	<1000	1000	
Benzyl alcohol	100-51-6	<2000	2000	
1,2-Dichlorobenzene	95-50-1	<1000	1000	
2-Methylphenol	95-48-7	<1000	1000	
bis(2-chloroisopropyl)ether	108-60-1	<1000	1000	
4-Methylphenol	106-44-5	<1000	1000	
N-Nitroso-di-n-propylamine	621-64-7	<1000	1000	
Hexachloroethane	67-72-1	<1000	1000	
Nitrobenzene	98-95-3	<1000	1000	
Isophorone	78-59-1	<1000	1000	
2-Nitrophenol	88-75-5	<1000	1000	
2,4-Dimethylphenol	105-67-9	<1000	1000	
Benzoic acid	65-85-0	<5000	5000	
bis(2-Chloroethoxy)methane	111-91-1	<1000	1000	
2,4-Dichlorophenol	120-83-2	<1000	1000	
1,2,4-Trichlorobenzene	120-82-1	<1000	1000	
Naphthalene	91-20-3	<1000	1000	
4-Chloroaniline	106-47-8	<2000	2000	
Hexachlorobutadiene	87-68-3	<1000	1000	
4-Chloro-3-methylphenol	59-50-7	<2000	2000	
2-Methylnaphthalene	91-57-6	<1000	1000	
Hexachlorocyclopentadiene	77-47-4	<1000	1000	
2,4,6-Trichlorophenol	88-06-2	<1000	1000	
2,4,5-Trichlorophenol	95-95-4	<1000	1000	
2-Chloronaphthalene	91-58-7	<1000	1000	
2-Nitroaniline	88-74-4	<5000	5000	
Dimethylphthalate	131-11-3	<1000	1000	
Acenaphthylene	208-96-8	<1000	1000	
2,6-Dinitrotoluene	606-20-2	<1000	1000	
3-Nitroaniline	99-09-2	<5000	5000	
Acenaphthene	83-32-9	<1000	1000	
2,4-Dinitrophenol	51-28-5	<5000	5000	
4-Nitrophenol	100-02-7	<5000	5000	

0343

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT6	LAL Sample ID:	L7631-3
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	100.

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<1000	1000	
2,4-Dinitrotoluene	121-14-2	<1000	1000	
Diethylphthalate	84-66-2	<1000	1000	
4-Chlorophenyl-phenylether	7005-72-3	<1000	1000	
Fluorene	86-73-7	<1000	1000	
4-Nitroaniline	100-01-6	<2000	2000	
4,6-Dinitro-2-methylphenol	534-52-1	<5000	5000	
N-Nitrosodiphenylamine (1)	86-30-6	<1000	1000	
4-Bromophenyl-phenylether	101-55-3	<1000	1000	
Hexachlorobenzene	118-74-1	<1000	1000	
Pentachlorophenol	87-86-5	<5000	5000	
Phenanthrene	85-01-8	<1000	1000	
Anthracene	120-12-7	<1000	1000	
Carbazole	86-74-8	<1000	1000	
Di-n-butylphthalate	84-74-2	<1000	1000	
Fluoranthene	206-44-0	<1000	1000	
Pyrene	129-00-0	<1000	1000	
Butylbenzylphthalate	85-68-7	<1000	1000	
3,3'-Dichlorobenzidine	91-94-1	<2000	2000	
Benzo(a)anthracene	56-55-3	<1000	1000	
Chrysene	218-01-9	<1000	1000	
bis(2-Ethylhexyl)phthalate	117-81-7	<1000	1000	
Di-n-octylphthalate	117-84-0	<1000	1000	
Benzo(b)fluoranthene	205-99-2	<1000	1000	
Benzo(k)fluoranthene	207-08-9	<1000	1000	
Benzo(a)pyrene	50-32-8	<1000	1000	
Indeno(1,2,3-cd)pyrene	193-39-5	<1000	1000	
Dibenz(a,h)anthracene	53-70-3	<1000	1000	
Benzo(g,h,i)perylene	191-24-2	<1000	1000	

0344

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT8	LAL Sample ID:	L7631-5
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	100.

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	0.00%	*	31-110
Phenol-d5	0.00%	*	27-111
Nitrobenzene-d5	0.00%	*	40-114
2-Fluorobiphenyl	32%	*	41-111
2,4,6-Tribromophenol	0.00%	*	34-147
Terphenyl-d14	37%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s
Phenol	108-95-2	<1000	1000	
bis(2-Chloroethyl)ether	111-44-4	<1000	1000	
2-Chlorophenol	95-57-8	<1000	1000	
1,3-Dichlorobenzene	541-73-1	<1000	1000	
1,4-Dichlorobenzene	106-46-7	<1000	1000	
Benzyl alcohol	100-51-6	<2000	2000	
1,2-Dichlorobenzene	95-50-1	<1000	1000	
2-Methylphenol	95-48-7	<1000	1000	
bis(2-chloroisopropyl)ether	108-60-1	<1000	1000	
4-Methylphenol	106-44-5	<1000	1000	
N-Nitroso-di-n-propylamine	621-64-7	<1000	1000	
Hexachloroethane	67-72-1	<1000	1000	
Nitrobenzene	98-95-3	<1000	1000	
Isophorone	78-59-1	<1000	1000	
2-Nitrophenol	88-75-5	<1000	1000	
2,4-Dimethylphenol	105-67-9	<1000	1000	
Benzoic acid	65-85-0	<5000	5000	
bis(2-Chloroethoxy)methane	111-91-1	<1000	1000	
2,4-Dichlorophenol	120-83-2	<1000	1000	
1,2,4-Trichlorobenzene	120-82-1	<1000	1000	
Naphthalene	91-20-3	<1000	1000	
4-Chloroaniline	106-47-8	<2000	2000	
Hexachlorobutadiene	87-68-3	<1000	1000	
4-Chloro-3-methylphenol	59-50-7	<2000	2000	
2-Methylnaphthalene	91-57-6	<1000	1000	
Hexachlorocyclopentadiene	77-47-4	<1000	1000	
2,4,6-Trichlorophenol	88-06-2	<1000	1000	
2,4,5-Trichlorophenol	95-95-4	<1000	1000	
2-Chloronaphthalene	91-58-7	<1000	1000	
2-Nitroaniline	88-74-4	<5000	5000	
Dimethylphthalate	131-11-3	<1000	1000	
Acenaphthylene	208-96-8	<1000	1000	
2,6-Dinitrotoluene	606-20-2	<1000	1000	
3-Nitroaniline	99-09-2	<5000	5000	
Acenaphthene	83-32-9	<1000	1000	
2,4-Dinitrophenol	51-28-5	<5000	5000	
4-Nitrophenol	100-02-7	<5000	5000	

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LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXT8	LAL Sample ID:	L7631-5
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	100

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s
Dibenzofuran	132-64-9	<1000	1000	
2,4-Dinitrotoluene	121-14-2	<1000	1000	
Diethylphthalate	84-66-2	<1000	1000	
4-Chlorophenyl-phenylether	7005-72-3	<1000	1000	
Fluorene	86-73-7	<1000	1000	
4-Nitroaniline	100-01-6	<2000	2000	
4,6-Dinitro-2-methylphenol	534-52-1	<5000	5000	
N-Nitrosodiphenylamine (1)	86-30-6	<1000	1000	
4-Bromophenyl-phenylether	101-55-3	<1000	1000	
Hexachlorobenzene	118-74-1	<1000	1000	
Pentachlorophenol	87-86-5	<5000	5000	
Phenanthrene	85-01-8	<1000	1000	
Anthracene	120-12-7	<1000	1000	
Carbazole	86-74-8	<1000	1000	
Di-n-butylphthalate	84-74-2	<1000	1000	
Fluoranthene	206-44-0	<1000	1000	
Pyrene	129-00-0	<1000	1000	
Butylbenzylphthalate	85-68-7	<1000	1000	
3,3'-Dichlorobenzidine	91-94-1	<2000	2000	
Benzo(a)anthracene	56-55-3	<1000	1000	
Chrysene	218-01-9	<1000	1000	
bis(2-Ethylhexyl)phthalate	117-81-7	<1000	1000	
Di-n-octylphthalate	117-84-0	<1000	1000	
Benzo(b)fluoranthene	205-99-2	<1000	1000	
Benzo(k)fluoranthene	207-08-9	<1000	1000	
Benzo(a)pyrene	50-32-8	<1000	1000	
Indeno(1,2,3-cd)pyrene	193-39-5	<1000	1000	
Dibenz(a,h)anthracene	53-70-3	<1000	1000	
Benzo(g,h,i)perylene	191-24-2	<1000	1000	

0348

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV0	LAL Sample ID:	L7631-6
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	200.

SURROGATE	RECOVERY		QC Limits
2-Fluorophenol	0.00%	*	31-110
Phenol-d5	0.00%	*	27-111
Nitrobenzene-d5	62%		40-114
2-Fluorobiphenyl	59%		41-111
2,4,6-Tribromophenol	8.9%	*	34-147
Terphenyl-d14	60%		33-141

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Phenol	108-95-2	<2000	2000	
bis(2-Chloroethyl)ether	111-44-4	<2000	2000	
2-Chlorophenol	95-57-8	<2000	2000	
1,3-Dichlorobenzene	541-73-1	<2000	2000	
1,4-Dichlorobenzene	106-46-7	<2000	2000	
Benzyl alcohol	100-51-6	<4000	4000	
1,2-Dichlorobenzene	95-50-1	<2000	2000	
2-Methylphenol	95-48-7	<2000	2000	
bis(2-chloroisopropyl)ether	108-60-1	<2000	2000	
4-Methylphenol	106-44-5	<2000	2000	
N-Nitroso-di-n-propylamine	621-64-7	<2000	2000	
Hexachloroethane	67-72-1	<2000	2000	
Nitrobenzene	98-95-3	<2000	2000	
Isophorone	78-59-1	<2000	2000	
2-Nitrophenol	88-75-5	<2000	2000	
2,4-Dimethylphenol	105-67-9	<2000	2000	
Benzoic acid	65-85-0	<10000	10000	
bis(2-Chloroethoxy)methane	111-91-1	<2000	2000	
2,4-Dichlorophenol	120-83-2	<2000	2000	
1,2,4-Trichlorobenzene	120-82-1	<2000	2000	
Naphthalene	91-20-3	<2000	2000	
4-Chloroaniline	106-47-8	<4000	4000	
Hexachlorobutadiene	87-68-3	<2000	2000	
4-Chloro-3-methylphenol	59-50-7	<4000	4000	
2-Methylnaphthalene	91-57-6	<2000	2000	
Hexachlorocyclopentadiene	77-47-4	<2000	2000	
2,4,6-Trichlorophenol	88-06-2	<2000	2000	
2,4,5-Trichlorophenol	95-95-4	<2000	2000	
2-Chloronaphthalene	91-58-7	<2000	2000	
2-Nitroaniline	88-74-4	<10000	10000	
Dimethylphthalate	131-11-3	<2000	2000	
Acenaphthylene	208-96-8	<2000	2000	
2,6-Dinitrotoluene	606-20-2	<2000	2000	
3-Nitroaniline	99-09-2	<10000	10000	
Acenaphthene	83-32-9	<2000	2000	
2,4-Dinitrophenol	51-28-5	<10000	10000	
4-Nitrophenol	100-02-7	<10000	10000	

0351

LOCKHEED ANALYTICAL SERVICES

SEMI-VOLATILE ORGANICS BY GC/MS
8270 SEMI-VOLATILES

Client Sample ID:	B0HXV0	LAL Sample ID:	L7631-6
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	26-AUG-96	Date Extracted:	12-AUG-96
Matrix:	Liq. Waste	Analytical Batch ID:	082696-8270-A
QC Group:	8270 SEMI-VOLATILES_40119	Analytical Dilution:	1
		Preparation Dilution:	200

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
Dibenzofuran	132-64-9	<2000	2000	
2,4-Dinitrotoluene	121-14-2	<2000	2000	
Diethylphthalate	84-66-2	<2000	2000	
4-Chlorophenyl-phenylether	7005-72-3	<2000	2000	
Fluorene	86-73-7	<2000	2000	
4-Nitroaniline	100-01-6	<4000	4000	
4,6-Dinitro-2-methylphenol	534-52-1	<10000	10000	
N-Nitrosodiphenylamine (1)	86-30-6	<2000	2000	
4-Bromophenyl-phenylether	101-55-3	<2000	2000	
Hexachlorobenzene	118-74-1	<2000	2000	
Pentachlorophenol	87-86-5	<10000	10000	
Phenanthrene	85-01-8	<2000	2000	
Anthracene	120-12-7	<2000	2000	
Carbazole	86-74-8	<2000	2000	
Di-n-butylphthalate	84-74-2	<2000	2000	
Fluoranthene	206-44-0	<2000	2000	
Pyrene	129-00-0	<2000	2000	
Butylbenzylphthalate	85-68-7	<2000	2000	
3,3'-Dichlorobenzidine	91-94-1	<4000	4000	
Benzo(a)anthracene	56-55-3	<2000	2000	
Chrysene	218-01-9	<2000	2000	
bis(2-Ethylhexyl)phthalate	117-81-7	<2000	2000	
Di-n-octylphthalate	117-84-0	<2000	2000	
Benzo(b)fluoranthene	205-99-2	<2000	2000	
Benzo(k)fluoranthene	207-08-9	<2000	2000	
Benzo(a)pyrene	50-32-8	<2000	2000	
Indeno(1,2,3-cd)pyrene	193-39-5	<2000	2000	
Dibenz(a,h)anthracene	53-70-3	<2000	2000	
Benzo(g,h,i)perylene	191-24-2	<2000	2000	

0352

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT0	LAL Sample ID:	L7544-62
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	60%	21-110
DCB	58%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT1	LAL Sample ID:	L7544-64
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	81%	21-110
DCB	84%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS4	LAL Sample ID:	L7544-66
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	07-AUG-96	Analytical Batch ID:	080596-8080-E-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_39840

SURROGATE	RECOVERY	QC Limits
TCMX	66%	21-110
DCB	73%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	190	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

0459

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS5	LAL Sample ID:	L7544-68
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	07-AUG-96	Analytical Batch ID:	080596-8080-E-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_39840

SURROGATE	RECOVERY	QC Limits
TCMX	71%	21-110
DCB	66%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	<100	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

0460

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS6	LAL Sample ID:	L7544-70
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	07-AUG-96	Analytical Batch ID:	080596-8080-E-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_39840

SURROGATE	RECOVERY	QC Limits
TCMX	65%	21-110
DCB	67%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	<100	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS8	LAL Sample ID:	L7544-72
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	52%	21-110
DCB	62%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS9	LAL Sample ID:	L7544-74
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	70%	21-110
DCB	81%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS3	LAL Sample ID:	L7544-76
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	49%	21-110
DCB	85%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXS7	LAL Sample ID:	L7544-78
Date Collected:	23-JUL-96	Date Received:	30-JUL-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	63%	21-110
DCB	15% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT2	LAL Sample ID:	L7562-1
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	21%	21-110
DCB	21% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXV2	LAL Sample ID:	L7562-2
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY		QC Limits
TCMX	12%	*	21-110
DCB	5.5%	*	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	<100	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT4	LAL Sample ID:	L7562-3
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	07-AUG-96	Analytical Batch ID:	080596-8080-E-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_39840

SURROGATE	RECOVERY	QC Limits
TCMX	68%	21-110
DCB	87%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	<100	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

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LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT5	LAL Sample ID:	L7562-4
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-C-1
Date Extracted:	07-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_39928

SURROGATE	RECOVERY		QC Limits
TCMX	5.3%	*	21-110
DCB	9.4%	*	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT7	LAL Sample ID:	L7562-5
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-J-1
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	32%	21-110
DCB	16% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

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LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT9	LAL Sample ID:	L7562-6
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	19-AUG-96	Analytical Batch ID:	081696-8080-J-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	7.9% *	21-110
DCB	5.2% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXV1	LAL Sample ID:	L7562-7
Date Collected:	29-JUL-96	Date Received:	01-AUG-96
Date Analyzed:	19-AUG-96	Analytical Batch ID:	081696-8080-J-3
Date Extracted:	06-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	10.
		QC Group:	8080 PEST/PCBS_39841

SURROGATE	RECOVERY	QC Limits
TCMX	51%	21-110
DCB	22% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<0.50	0.50	
B-BHC	319-85-7	<0.50	0.50	
G-BHC	58-89-9	<0.50	0.50	
D-BHC	319-86-8	<0.50	0.50	
Heptachlor	76-44-8	<0.50	0.50	
Aldrin	309-00-2	<0.50	0.50	
Heptachlor Epoxide	1024-57-3	<0.50	0.50	
G-Chlordane	5103-74-2	<0.50	0.50	
Endosulfan I	959-98-8	<0.50	0.50	
A-Chlordane	5103-71-9	<0.50	0.50	
4,4'-DDE	72-55-9	<1.0	1.0	
4,4'-DDT	50-29-3	<1.0	1.0	
Dieldrin	60-57-1	<1.0	1.0	
Endrin	72-20-8	<1.0	1.0	
Endosulfan II	33213-65-9	<1.0	1.0	
4,4'-DDD	72-54-8	<1.0	1.0	
Endrin Aldehyde	7421-93-4	<1.0	1.0	
Endosulfan Sulfate	1031-07-8	<1.0	1.0	
Methoxychlor	72-43-5	<5.0	5.0	
Toxaphene	8001-35-2	<50.	50.	
PCB-1016	12674-11-2	<10.	10.	
PCB-1221	11104-28-2	<20.	20.	
PCB-1232	11141-16-5	<10.	10.	
PCB-1242	53469-21-9	<10.	10.	
PCB-1248	12672-29-6	<10.	10.	
PCB-1254	11097-69-1	<10.	10.	
PCB-1260	11096-82-5	<10.	10.	
Chlordane (Technical)	57-74-9	<10.	10.	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT3	LAL Sample ID:	L7631-1
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-E-1
Date Extracted:	12-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	1000
		QC Group:	8080 PEST/PCBS_40117

SURROGATE	RECOVERY	QC Limits
TCMX	66%	21-110
DCB	40%	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<50.	50.	
B-BHC	319-85-7	<50.	50.	
G-BHC	58-89-9	<50.	50.	
D-BHC	319-86-8	<50.	50.	
Heptachlor	76-44-8	<50.	50.	
Aldrin	309-00-2	<50.	50.	
Heptachlor Epoxide	1024-57-3	<50.	50.	
G-Chlordane	5103-74-2	<50.	50.	
Endosulfan I	959-98-8	<50.	50.	
A-Chlordane	5103-71-9	<50.	50.	
4,4'-DDE	72-55-9	<100	100	
4,4'-DDT	50-29-3	<100	100	
Dieldrin	60-57-1	<100	100	
Endrin	72-20-8	<100	100	
Endosulfan II	33213-65-9	<100	100	
4,4'-DDD	72-54-8	<100	100	
Endrin Aldehyde	7421-93-4	<100	100	
Endosulfan Sulfate	1031-07-8	<100	100	
Methoxychlor	72-43-5	<500	500	
Toxaphene	8001-35-2	<5000	5000	
PCB-1016	12674-11-2	<1000	1000	
PCB-1221	11104-28-2	<2000	2000	
PCB-1232	11141-16-5	<1000	1000	
PCB-1242	53469-21-9	<1000	1000	
PCB-1248	12672-29-6	<1000	1000	
PCB-1254	11097-69-1	<1000	1000	
PCB-1260	11096-82-5	<1000	1000	
Chlordane (Technical)	57-74-9	<1000	1000	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT6	LAL Sample ID:	L7631-3
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-E-1
Date Extracted:	12-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_40117

SURROGATE	RECOVERY		QC Limits
TCMX	5.2%	*	21-110
DCB	2.9%	*	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXT8	LAL Sample ID:	L7631-5
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-E-1
Date Extracted:	12-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_40117

SURROGATE	RECOVERY	QC Limits
TCMX	26%	21-110
DCB	18% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	

LOCKHEED ANALYTICAL SERVICES

ORGANOCHLORINE PESTICIDES/PCBS BY GC/ECD
8080 PEST/PCBS

Client Sample ID:	B0HXV0	LAL Sample ID:	L7631-6
Date Collected:	29-JUL-96	Date Received:	07-AUG-96
Date Analyzed:	17-AUG-96	Analytical Batch ID:	081696-8080-E-1
Date Extracted:	12-AUG-96	Analytical Dilution:	1
Matrix:	Liq. Waste	Preparation Dilution:	100
		QC Group:	8080 PEST/PCBS_40117

SURROGATE	RECOVERY	QC Limits
TCMX	14% *	21-110
DCB	8.4% *	36-126

CONSTITUENT	CAS NO.	RESULT ug/L	PRACTICAL QUANTITATION LIMIT ug/L	DATA QUALIFIER(s)
A-BHC	319-84-6	<5.0	5.0	
B-BHC	319-85-7	<5.0	5.0	
G-BHC	58-89-9	<5.0	5.0	
D-BHC	319-86-8	<5.0	5.0	
Heptachlor	76-44-8	<5.0	5.0	
Aldrin	309-00-2	<5.0	5.0	
Heptachlor Epoxide	1024-57-3	<5.0	5.0	
G-Chlordane	5103-74-2	<5.0	5.0	
Endosulfan I	959-98-8	<5.0	5.0	
A-Chlordane	5103-71-9	<5.0	5.0	
4,4'-DDE	72-55-9	<10.	10.	
4,4'-DDT	50-29-3	<10.	10.	
Dieldrin	60-57-1	<10.	10.	
Endrin	72-20-8	<10.	10.	
Endosulfan II	33213-65-9	<10.	10.	
4,4'-DDD	72-54-8	<10.	10.	
Endrin Aldehyde	7421-93-4	<10.	10.	
Endosulfan Sulfate	1031-07-8	<10.	10.	
Methoxychlor	72-43-5	<50.	50.	
Toxaphene	8001-35-2	<500	500	
PCB-1016	12674-11-2	<100	100	
PCB-1221	11104-28-2	<200	200	
PCB-1232	11141-16-5	<100	100	
PCB-1242	53469-21-9	<100	100	
PCB-1248	12672-29-6	<100	100	
PCB-1254	11097-69-1	<100	100	
PCB-1260	11096-82-5	<100	100	
Chlordane (Technical)	57-74-9	<100	100	