
Appendix C
Laboratory Data Results



MONTGOMERY WATSON



LAS Laboratories, Inc.

MONTGOMERY WATSON-LIBERTY ISLAND

ANALYTICAL DATA REPORT

FOR

**METALS, BARIUM SULFATE, CHROMIUM VI,
TOTAL ORGANIC CARBON, VOLATILES,
SEMIVOLATILES, 102.0 DIESEL RANGE
ORGANICS**

RECEIVED

MAR 13 1997

ANCH

MONTGOMERY WATSON

LOG-IN NUMBER	<u>L8849</u>
QUOTATION NUMBER	<u>Q703026</u>
DOCUMENT FILE NUMBER	<u>0219471</u>



March 11, 1997

Ms. Jane Whitsett
Montgomery Watson
4100 Spenard Road
Anchorage, AK 99517

RE: Log-in No. L8849
Quotation No. Q703026
Document File No. 0219471

The attached data report contains the analytical results of samples that were submitted to LAS Laboratories, Inc. on 19 February 1997. The temperatures of the two coolers upon receipt were 4 and 4°C. The temperature of the blanks provided were 2 and 1°C. All sample containers did not 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 following sample for volatile analysis contained headspace: 97 BPXLIO2-1497. All discrepancies (if applicable) identified upon receipt of the samples have been forwarded to the client and are documented in the enclosed chain-of-custody records. (See attached Sample Receiving Checklist for details).

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.

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
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 sample(s), and duplicate sample(s).

Preparation and Analysis Requirements

All samples were received on February 19, 1997. The samples were logged in as L8849 and prepared and analyzed in batch 219-MW1 and 219-MW2 for:

- A. Method 415.2 Total Carbon
- B. Method 7196 Chromium (VI)

Method Blanks

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

Holding Time Requirements

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

Internal Quality Control

- All Internal Quality Control were within acceptance limits with the following exceptions:
- The quality control sample's (97BPXLIB8SD01(01) (L8849-100)) used for Total Organic Carbon in batch 219-MW1 duplicate precision was outside acceptance limits. This is likely due to sample inhomogeneity with respect to this analyte. All TOC results are flagged with an "***".
- Sample values for Total Organic Carbon (TOC) are calculated from Total Inorganic Carbon (TIC) and Total Carbon (TC) analyses.
- Matrix spike recoveries for TC and TIC were not reported on the QC report forms due to computer software's inability to calculate recoveries in this manner. Matrix spike recoveries for TIC and TC are:

L8849-11S for TIC	=	107.7%
L8849-11S for TC	=	118.5%

L8849-100S for TIC	=	124.2
L8849-100S for TC	=	115.8%

- Laboratory control samples are also reported for TIC and TC.

M.B. Watson-Garrett
Prepared By

February 27, 1997
Date

**CASE NARRATIVE
INORGANIC METALS ANALYSES
BARIUM SULFATE**

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 February 19, 1997. The samples were logged in as L8849 and were prepared and analyzed in batches 219 mwX1 and 2 for barium sulfate. The samples were analyzed by Method 6020 Barium and converted to barium sulfate.

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 for batch 219 mwX2. Batch 219 mwX1 contained 7.39 mg/kg barium sulfate in the blank. The sample results were flagged with a "C".

Internal Quality Control

- All Internal Quality Control were within acceptance limits with the following exception: The matrix spike recovery for barium sulfate in batch 219 mwX1 was outside of acceptance limits (26%). The recovery based on the (LCS 71% and 89%) support that the analytical system was operating within control limits.

Shellee McGrath

March 11, 1997

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 February 19, 1997. The samples were logged in as L8849 and were prepared and analyzed in batches 219 mw1 and 2 for total metals. The samples were analyzed by Method 6020 ICP-MS Metals and Method 7471 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 exceptions: The matrix spike recovery for cadmium in batch 219 mw2 was outside of acceptance limits (179%). The recovery based on the LCS Solid ERA Lot#222 (104%) supports that the analytical system was operating within control limits. The matrix spike recovery for mercury in batch 219 mw1 was outside of acceptance limits (-44%). The recovery based on the LCS Solid (104%) supports that the analytical system was operating within control limits.
- The duplicate sample precision for mercury (Batch 219 mw1) was outside of acceptance limits. All associated samples are flagged with an "**".

Shellee McGrath

March 11, 1997

**CASE NARRATIVE
ORGANIC ANALYSES**

Analytical Method 8260 Volatiles

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

Analytical Batch 021997-8260-D1

The samples were analyzed within holding time on February 19 and 20, 1997. Target compounds were not detected in the method blank (45798MB). Surrogate recoveries were within QC limits for all samples. Compound recoveries were within QC limits in the laboratory control sample (45798LCS). The associated matrix spike (45852MS) and matrix spike duplicate (45852MSD) were analyzed in analytical batch 022097-8260-D1. All internal standard area counts and retention times were within QC limits for all samples.

Analytical Batch 022097-8260-D1

Note: Sample 97BPXLIB3SD01(01) (L8849-1) was the native sample used for the 45852MS and 45852MSD analyzed in this analytical batch.

The samples were analyzed within holding time on February 20 and 21, 1997. Target compounds were not detected in the method blank (45852MB). Surrogate recoveries were within QC limits for all samples. Compound recoveries were within QC limits in the 45852MS, 45852MSD, and 45852LCS. The relative percent differences (RPDs) between the MS and MSD recoveries were within QC limits. All internal standard area counts and retention times were within QC limits for all samples.

Analytical Batch 022197-8260-D1

The samples were analyzed within holding time on February 21 and 22, 1997. Target compounds were not detected in the method blank (45925MB). Surrogate recoveries were within QC limits except for Bromofluorobenzene in samples 97BPXLIA6SD01(01) (L8849-60), 97BPXLIA6SD02(08) (L8849-64), 97BPXLIA6SD62(08) (L8849-68), and compounds 1,2-Dichloroethane-d4 and Bromofluorobenzene in sample 97BPXLIA8SD01(01) (L8849-76), due to matrix interference. Compound recoveries were within QC limits in the 45925LCS. The associated 45852MS and 45852MSD were analyzed in analytical batch 022097-8260-D1. All internal standard area counts and retention times were within QC limits except for the DCB area count in samples 97BPXLIA6SD01(01) (L8849-60), 97BPXLIA6SD02(08) (L8849-64), and 97BPXLIA6SD62(08) (L8849-68), and PFB, DFB, CBZ, and DCB area counts in sample 97BPXLIA8SD01(01) (L8849-76), due to matrix interference. These samples were reanalyzed in analytical batch 022497-8260-D1 with similar results. All analyses results were reported in this data package. The concentration of Acetone exceeded the calibration range in sample 97BPXLI1SD02(08) (L8849-33). This concentration result includes the percent moisture factor, however, the on column concentration was within the calibration range. This sample

was not diluted and reanalyzed.

Analytical Batch 022497-8260-D1

Note: Sample 97BPXLIA4SD01(01) (L8849-53) was the native sample used for the 46007MS and 46007MSD analyzed in this analytical batch.

The samples were analyzed within holding time on February 24 and 25, 1997. Target compounds were not detected in the method blank (46007MB). Surrogate recoveries were within QC limits except for Bromofluorobenzene in the reanalyzed sample 97BPXLIA8SD01(01) (L8849-76) and in samples 97BPXLIA10SD02(08) (L8849-84) and 97BPXLIB8SD02(08) (L8849-94), and compounds Toluene-d8 and Bromofluorobenzene in sample 97BPXLIB8SD01(01) (L8849-98), due to matrix interference. Compound recoveries were within QC limits in the 46007MS, 46007MSD, and 46007LCS. The RPDs between the MS and MSD recoveries were within QC limits. All internal standard area counts and retention times were within QC limits except for the DCB area count in the reanalyzed samples 97BPXLIA6SD02(08) (L8849-64), 97BPXLIA6SD62(08) (L8849-68), and 97BPXLIA8SD01(01) (L8849-76) and in sample 97BPXLIAB8SD02(08) (L8849-94), and CBZ and DCB area counts in sample 97BPXLIB8SD01(01) (L8849-98), due to matrix interference. Samples 97BPXLIA10SD02(08) (L8849-84), 97BPXLIAB8SD02(08) (L8849-94), and 97BPXLIB8SD01(01) (L8849-98) were reanalyzed in analytical batch 022597-8260-D1 with similar results. All analyses results were reported in this data package. The concentration of Acetone exceeded the calibration range in the reanalyzed samples 97BPXLIA6SD02(08) (L8849-64) and 97BPXLIA6SD62(08) (L8849-68). These samples were not diluted and reanalyzed because the Acetone concentration was within the calibration range in the initial analysis found in analytical batch 022197-8260-D1.

Analytical Batch 022597-8260-D1

The samples were analyzed within holding time on February 25 and 26, 1997. Target compounds were not detected in the method blank (46011MB). Surrogate recoveries were within QC limits except for Bromofluorobenzene in the reanalyzed samples 97BPXLIA10SD02(08) (L8849-84), 97BPXLIB8SD02(08) (L8849-94), 97BPXLIC4SD01(01) (L8849-102), and 97BPXLII1SD01(01) (L8849-107) and in the initial analysis of samples 97BPXLIC4SD01(01) (L8849-102) and 97BPXLII1SD01(01) (L8849-107), and compounds Toluene-d8 and Bromofluorobenzene in the reanalyzed sample 97BPXLIB8SD01(01) (L8849-98), due to matrix interference. Compound recoveries were within QC limits in the 46011LCS. The associated 46007MS and 46007MSD were analyzed in analytical batch 022497-8260-D1. All internal standard area counts and retention times were within QC limits except for the DCB area count in the reanalyzed sample 97BPXLIB8SD02(08) (L8849-94), due to matrix interference.

Analytical Batch 022597-8260-C1

The samples were analyzed within holding time on February 25, 1997. Target compound Acetone was detected in the method blank (46012MB). All corresponding sample results were flagged accordingly. Surrogate recoveries were within QC limits for all samples. Compound recoveries were within QC limits in the 46012LCS. The associated 46007MS and 46007MSD were analyzed in analytical batch 022497-8260-D1. All internal standard area counts and retention times were within QC limits for all samples.

Analytical Method 8270 Semivolatiles

The associated samples were analyzed in two analytical batches. All instrument tunes, initial and continuing calibrations met criteria. Surrogate recoveries were within QC limits for all samples. All internal standard area counts and retention times were within QC limits for all samples.

Analytical Batch 022097-8270-K

Note: Sample 97BPXLIB6SD02(08) (L8849-14) was the native sample used for the 45791MS and 45791MSD analyzed in this analytical batch.

The samples were extracted within holding time on February 19, 1997 and analyzed within holding time on February 20, 1997. Target compounds were not detected in the method blank (45791MB). Compound recoveries were within QC limits in the 45791MS, 45791MSD, and 45791LCS. The RPDs between the MS and MSD recoveries were within QC limits.

Analytical Batch 022197-8270-K

Note: Sample 97BPXLIA8SD02(08) (L8849-73) was the native sample used for the 45795MS and 45795MSD analyzed in this analytical batch.

The associated samples were extracted within holding time on February 20, 1997 and analyzed within holding time on February 21 and 22, 1997. Target compounds were not detected in the method blank (45795MB). Compound recoveries were within QC limits in the 45795MS, 45795MSD, and 45795LCS. The RPDs between the MS and MSD recoveries were within QC limits except for 1,4-Dichlorobenzene and 1,2,4-Trichlorobenzene.

Analytical Method 102.0 Diesel Range Organics

The associated samples were analyzed in three analytical batches. All initial and continuing calibrations met criteria. The recovery of the surrogate compound N-Octacosane was within QC limits for all samples.

Analytical Batches 021897-8015-D-2,3

Note: Sample 97BPXLIC4SD01(01) (L8849-103) was the native sample used for the 45797MS and 45797MSD.

X Qualifier - The Diesel Range Organics results in samples 97BPXLIA6SD02(08) (L8849-65), 97BPXLIA6SD62(08) (L8849-69), 97BPXLIA10SD02(08) (L8849-85), and 97BPXLIB8SD02(08) (L8849-95) were flagged with the X qualifier to denote that these samples were quantified as Diesel Range Organics but these samples also contained small amounts of heavier hydrocarbons, which were outside the retention time window of Diesel Range Organics.

J Qualifier *

- * Determined values at less than the Method Detection Limits (MDL) are reported as less than the Reporting Detection Limits (RDL).
- * Determined values at greater than the MDL and less than the RDL are reported as a value with the J qualifier.
- * Determined values at greater than the RDL are reported as a value with no qualifier.

The samples were extracted within holding time on February 20, 1997 and analyzed within holding time on February 21 and 22, 1997. Diesel Range Organics was not detected in the method blank (45797MB). The recovery of Diesel Range Organics was within QC limits in the 45797MS, 45797MSD, and 45797LCS. The RPD between the MS and MSD recoveries was within QC limits.

Analytical Batches 021897-8015-D-3,5

Note: Sample 97BPXLIB3SD02(08) (L8849-6) was the native sample used for the 45796MS and 45796MSD.

X Qualifier - The Diesel Range Organics results in samples 97BPXLIB10SD62(08) (L8849-26) and 97BPXLII1SD02(08) (L8849-34) were flagged with the X qualifier to denote that these samples were quantified as Diesel Range Organics but these samples also contained small amounts of heavier hydrocarbons, which were outside the retention time window of Diesel Range Organics.

J Qualifier *

- * Determined values at less than the Method Detection Limits (MDL) are reported as less than the Reporting Detection Limits (RDL).
- * Determined values at greater than the MDL and less than the RDL are reported as a value with the J qualifier.
- * Determined values at greater than the RDL are reported as a value with no qualifier.

The samples were extracted within holding time on February 20, 1997 and analyzed within holding time on February 22 and 24, 1997. Diesel Range Organics was not detected in the method blank (45796MB). The recovery of Diesel Range Organics was within QC limits in the 45796MS, 45796MSD, and 45796LCS. The RPD between the MS and MSD recoveries was within QC limits.

Lydia M. Coleman
Prepared By

February 25 and 26, 1997
Date

Lockheed Analytical Services
DATA QUALIFIERS FOR INORGANIC ANALYSES

[Revised 08/28/92]

For Use on the Analytical Data Reporting Forms	
B	<i>For CLP Analyses Only</i> -- Reported value is less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).
C	<i>For Routine, Non-CLP Analyses Only</i> -- Any constituent that was also detected in the associated blank whose concentration was greater than the reporting detection limit (RDL).
D	Presence of high levels of interfering constituents required dilution of sample which increased the RDL by the dilution factor.
E	Estimated value due to presence of interference.
H	Sample analysis performed outside of method-or client-specified maximum holding time requirement.
M	<i>For CLP Analyses Only</i> -- Duplicate injection precision criterion was not met.
N	Matrix spike recovery exceeded acceptance limits.
S	Reported value was determined from the method of standard addition.
U	<i>For CLP Reporting Only</i> -- Constituent was analyzed for but not detected (sample quantitation must be corrected for dilution and percent moisture).
W	<i>For AAS Only</i> -- Post-digestion spike for Furnace AAS did not meet acceptance criteria and sample absorbance is less than 50% of spike absorbance.
X, Y, or Z	Analyst-defined qualifier.
*	Relative percent difference (RPD) for duplicate analysis exceeded acceptance limits.
+	Correlation coefficient (r) for the MSA is less than 0.995.
For Use on the QC Data Reporting Forms	
a¹	The spike recovery and/or RPD for matrix spike and matrix spike duplicates cannot be evaluated due to insufficient spiking level compared to the elevated sample analyte concentration.
b¹	The RPD cannot be computed because the sample and/or duplicate concentration was below the RDL.

¹ Used as footnote designations on the QC summary form.

Lockheed Analytical Services
DATA QUALIFIERS FOR ORGANIC ANALYSES

[Revised 02/09/1996]

For Use On The Analytical Data Reporting Forms	
A	<i>For CLP analyses Only</i> -- The TIC is a suspected aldol-condensation product.
B	Any constituent that was also detected in the associated blank whose concentration was greater than the practical or reporting detection limit (PQL or RDL).
C	Constituent confirmed by GC/MS analysis. [<i>pesticide/PCB analyses only</i>]
D	Constituent detected in the diluted sample. It also indicates that an accurate quantitation is not possible due to <u>surrogates</u> being diluted out of the samples during the course of the analysis.
E	Constituent concentration exceeded the calibration range.
G	The quantitation is not gasoline or diesel but believed to be some other combination of hydrocarbons.
H	Sample analysis performed outside of method- or client-specified maximum holding time requirement.
J	<i>Estimated value</i> -- (1) constituent detected at a level less than the RDL or PQL and greater than or equal to the MDL; (2) estimated concentration for TICs (<i>For CLP Reporting Only</i>).
N	<i>For CLP Reporting Only</i> -- Tentatively identified constituents (TICs) identified based on mass spectral library search.
NQ	Analyte detected, but Not Quantified; see result from subsequent analysis
P	<i>For CLP Reporting Only</i> -- The percent difference between the concentrations detected on both GC columns was greater than 25 percent [<i>pesticide/PCB analyses only</i>].
U	<i>For CLP Reporting Only</i> -- Constituent was analyzed for but not detected (sample quantitation must be corrected for dilution and percent moisture).
X, Y, or Z	Analyst-defined qualifier.
N/A (% Moisture)	N/A in the % moisture cell indicates that data are reported on an "as received" basis. A value in the % moisture cell indicates that data are reported based on a "dry weight" basis.
For Use On The QC Data Reporting Forms	
*	QC data (i.e., percent recovery data for matrix spike, matrix spike duplicate, laboratory control standard, or surrogates; and RPD for matrix spike duplicate or unspiked duplicate) exceeded acceptance limits.
a ¹	The spike recovery and/or RPD for matrix spike and matrix spike duplicates cannot be evaluated due to insufficient spiking level compared to the elevated sample analyte concentration.
b ¹	The RPD cannot be computed because the sample and/or duplicate concentration was below the RDL.

¹ Used as footnote designations on the QC Summary Form.

SAMPLE LOGIN AND CHAIN OF CUSTODY

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

LABORATORY	CLIENT	COLLECTOR	RECEIVED	ISSUE
Sample Number	Sample Number	Date	Date	PK Date
L8849-23	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-24	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-113				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-25	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: 130				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-26	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-27	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-28	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-114				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-30	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		

C219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Sample ID	Sample Number	Collect Date	Receive Date	Release Date
-----------	---------------	--------------	--------------	--------------

* L8849-16	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-111				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-17	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-18	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-19	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-20	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-112				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-21	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-22	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Contract Date	Received Date	Due PR Date
-----------------------------	-------------------------	------------------	------------------	----------------

Soil	4	S	7196 CHROMIUM (VI)	Hold:15-FEB-97
Soil	4	S	7471 MERCURY	Hold:14-MAR-97
Soil	4	S	PERCENT SOLIDS	Hold:19-FEB-97

L8849-9	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
---------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 8260 VOLATILES Hold:01-MAR-97

L8849-10	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97
 Soil 4 S AK 102.0 DRO Hold:01-MAR-97

L8849-11	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

* L8849-12	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
------------	-------------------	-----------	-----------	-----------

Temp 4, As, Ba, Cr, Cd
 Location: L8849-110
 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97
 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97
 Soil 4 S 7471 MERCURY Hold:15-MAR-97
 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-13	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 8260 VOLATILES Hold:01-MAR-97

L8849-14	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97
 Soil 4 S AK 102.0 DRO Hold:01-MAR-97

L8849-15	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

0219471

Revised

LOCKHEED ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT (Ln01)
Feb 21 1997, 01:47 pm

Login Number: L8849
Account: 471 Montgomery Watson * Anchorage, AK
Project: LIBERTY ISLAND

Laboratory	Sample Number	Contract	Received	Date	PR Date	
L8849-1	97BPXLIB3SD01(01)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 8260 VOLATILES		Hold:28-FEB-97		
L8849-2	97BPXLIB3SD01(01)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 8270 SEMI-VOLATILES		Hold:28-FEB-97		
Soil	4	S AK 102.0 DRO		Hold:28-FEB-97		
L8849-3	97BPXLIB3SD01(01)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 415.2 CARBON (TOC)		Hold:14-MAR-97		
* L8849-4	97BPXLIB3SD01(01)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd						
Location: L8849-108						
Soil	4	S 6020 ICP-MS METALS		Hold:13-AUG-97		
Soil	4	S 7196 CHROMIUM (VI)		Hold:15-FEB-97		
Soil	4	S 7471 MERCURY		Hold:14-MAR-97		
Soil	4	S PERCENT SOLIDS		Hold:19-FEB-97		
L8849-5	97BPXLIB3SD02(08)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 8260 VOLATILES		Hold:28-FEB-97		
L8849-6	97BPXLIB3SD02(08)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 8270 SEMI-VOLATILES		Hold:28-FEB-97		
Soil	4	S AK 102.0 DRO		Hold:28-FEB-97		
L8849-7	97BPXLIB3SD02(08)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4;						
Location: RFG19-15B						
Soil	4	S 415.2 CARBON (TOC)		Hold:14-MAR-97		
L8849-8	97BPXLIB3SD02(08)			14-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd						
Location: L8849-109						
Soil	4	S 6020 ICP-MS METALS		Hold:13-AUG-97		

* Inorg Correction

0219471

LOCKHEED ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT (ln01)
Feb 27 1997, 07:58 am

Login Number: L8849
Account: 471 Montgomery Watson * Anchorage, AK
Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due Date
L8849-129 Temp 4; BaSO4; ALSO L8849-87 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
		Hold:15-AUG-97		
L8849-130 Temp 4; BaSO4; ALSO L8849-97 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
		Hold:15-AUG-97		
L8849-131 Temp 4; BaSO4; ALSO L8849-101 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
		Hold:14-AUG-97		
L8849-132 Temp 4; BaSO4; ALSO L8849-105 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
		Hold:14-AUG-97		

Signature: _____

Date: _____

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-120 Temp 4; BaSO4; ALSO L8849-52 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIC4SD02 (08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-121 Temp 4; BaSO4; ALSO L8849-55 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA4SD01 (01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-122 Temp 4; BaSO4; ALSO L8849-59 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA4SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-123 Temp 4; BaSO4; ALSO L8849-63 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA6SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-124 Temp 4; BaSO4; ALSO L8849-67 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA6SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-125 Temp 4; BaSO4; ALSO L8849-71 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA6SD62 (08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-126 Te; ALSOL8849-75 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA8SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-127 Temp 4; BaSO4; ALSO L8849-79 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA8SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97
L8849-128 Temp 4; BaSO4; ALSO L8849-83 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIA10SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-111 Temp 4; BaSO4; ALSO L8849-16 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-112 Temp 4; BaSO4; ALSO L8849-20 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-113 Temp 4; BaSO4; ALSO L8849-24 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-114 Temp 4; BaSO4; ALSO L8849-28 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-115 Temp 4; BaSO4; ALSO L8849-32 Location: 133 Soil 4 S 6020 BARIUM	97BPXLII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-116 Temp 4; BaSO4; ALSO L8849-36 Location: 133 Soil 4 S 6020 BARIUM	97BPXLII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-117 Temp 4; BaSO4; ALSO L8849-40 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-118 Temp 4; BaSO4; ALSO L8849-43 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
L8849-119 Temp 4; BaSO4; ALSO L8849-48 Location: 133 Soil 4 S 6020 BARIUM	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-104 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-105 Temp 4, As, Ba, Cr, Cd Location: L8849-132 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-106 N-slope Location: Water 1 S DEFAULT Water 1 S EDD - DISK DEL. Water 1 S GC2 Water 1 S GCMS2 Water 1 S INORG TYPE 2 RPT Water 1 S WOLF	REPORT TYPE	19-FEB-97	19-FEB-97	26-FEB-97
L8849-107 Temp 4; Location: RFG19-6B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLI11SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-108 Temp 4; BaSO4; ALSO L8849-4 Location: 133 Soil 4 S 6020 BARIUM Hold:13-AUG-97	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
L8849-109 Temp 4; BaSO4; ALS L8849-8 Location: 133 Soil 4 S 6020 BARIUM Hold:13-AUG-97	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
L8849-110 Temp 4; BaSO4; ALSO L8849-12 Location: 133 Soil 4 S 6020 BARIUM Hold:14-AUG-97	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-97	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-130				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-98	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-6B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-99	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-100	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-101	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-131				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-102	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-6B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-103	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-88 Temp 4; Location: RFG19-145C Soil 4 S 8260 VOLATILES	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-89 Temp 4; Location: RFG18-48A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-90 Temp 4; Location: RFG18-47A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-91 Temp 4; Location: 130 Water 1 S 8260 VOLATILES	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-92 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-93 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-94 Temp 4; Location: RFG19-6B Soil 4 S 8260 VOLATILES	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-95 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97 Hold:01-MAR-97
L8849-96 Temp 4; Location: RFG19-124B	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-81	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-82	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-83	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-128				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-84	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-6B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-85	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-86	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-87	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-129				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-74 Temp 4; Location: RFG19-124B Soil	97BPXLIASD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 415.2 CARBON (TOC)		Hold:16-MAR-97		
L8849-75 Temp 4, As, Ba, Cr, Cd Location: L8849-126 Soil	97BPXLIASD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 6020 ICP-MS METALS		Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-76 Temp 4; Location: RFG19-34B Soil	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 8260 VOLATILES		Hold:02-MAR-97		
L8849-77 Temp 4; Location: RFG19-124B Soil	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 8270 SEMI-VOLATILES		Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-78 Temp 4; Location: RFG19-124B Soil	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 415.2 CARBON (TOC)		Hold:16-MAR-97		
L8849-79 Temp 4, As, Ba, Cr, Cd Location: L8849-127 Soil	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 6020 ICP-MS METALS		Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-80 Temp 4; Location: 130 Soil	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
4 S 8260 VOLATILES		Hold:02-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-67	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-124				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-68	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-34B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-69	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-70	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-71	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-125				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-72	97BPXLIA8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-34B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-73	97BPXLIA8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect. Date	Receive Date	Due PR Date
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-60	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-34B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-61	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-62	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-63	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-123				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-64	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-34B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-65	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-66	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collect	Receive	Due
Sample Number	Sample Number	Date	Date	PR Date
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-53	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
*MS/MSD Temp 4;				
Location: RFG19-34B				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-54	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-55	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-121				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-56	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-52A				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-57	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-58	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-59	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-122				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-45 Temp 4; Location: RFG19-52A Soil 4 S 8260 VOLATILES	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-46 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97 Hold:01-MAR-97
L8849-47 Temp 4; Location: RFG19-124B Soil 4 S 415.2 CARBON (TOC)	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-48 Temp 4, As, Ba, Cr, Cd Location: L8849-119 Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97 Hold:16-FEB-97 Hold:15-MAR-97 Hold:19-FEB-97
L8849-49 Temp 4; Location: RFG19-52A Soil 4 S 8260 VOLATILES	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-50 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97 Hold:01-MAR-97
L8849-51 Temp 4; Location: RFG19-124B Soil 4 S 415.2 CARBON (TOC)	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-52 Temp 4, As, Ba, Cr, Cd Location: L8849-120 Soil 4 S 6020 ICP-MS METALS	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-38 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-39 Temp 4; Location: RFG19-124B Soil 4 S 415.2 CARBON (TOC)	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-40 Temp 4, As, Ba, Cr, Cd Location: L8849-117 Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-41 Temp 4; Location: RFG19-52A Soil 4 S 8260 VOLATILES	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-42 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-43 Temp 4; Location: RFG19-124B Soil 4 S 415.2 CARBON (TOC)	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-44 Temp 4, As, Ba, Cr, Cd Location: L8849-118 Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-31 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-32 Temp 4, As, Ba, Cr, Cd Location: L8849-115 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-33 Temp 4; Location: RFG19-17B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-34 Temp 4; Location: RFG19-15B Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97 Soil 4 S AK 102.0 DRO Hold:01-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-35 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-36 Temp 4, As, Ba, Cr, Cd Location: L8849-116 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-37 Temp 4; Location: RFG19-52A Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-23 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-24 Temp 4, As, Ba, Cr, Cd Location: L8849-113 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-25 Temp 4; Location: RFG19-17B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-26 Temp 4; Location: RFG19-15B Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97 Soil 4 S AK 102.0 DRO Hold:01-MAR-97	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-27 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-28 Temp 4, As, Ba, Cr, Cd Location: L8849-114 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-30 Temp 4; Location: RFG19-15B Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97 Soil 4 S AK 102.0 DRO Hold:01-MAR-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-16	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-111				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-17	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-18	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-19	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-20	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-112				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-21	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-22	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
Soil	4 S 7196 CHROMIUM (VI)	Hold:15-FEB-97		
Soil	4 S 7471 MERCURY	Hold:14-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-9	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-10	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-11	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-12	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-110				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-13	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-14	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-15	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-15B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 27 1997, 07:58 am

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-1 *MS/MSD Temp 4; Location: RFG19-15B Soil 4 S 8260 VOLATILES	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
L8849-2 Temp 4; Location: RFG19-15B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
				Hold:28-FEB-97
L8849-3 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-MAR-97
L8849-4 Temp 4, As, Ba, Cr, Cd Location: L8849-108 Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:13-AUG-97
				Hold:15-FEB-97
				Hold:14-MAR-97
				Hold:19-FEB-97
L8849-5 Temp 4; Location: RFG19-15B Soil 4 S 8260 VOLATILES	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
L8849-6 Temp 4; Location: RFG19-15B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
				Hold:28-FEB-97
L8849-7 Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-MAR-97
L8849-8 Temp 4, As, Ba, Cr, Cd Location: L8849-109 Soil 4 S 6020 ICP-MS METALS	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:13-AUG-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due Date
L8849-37 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-38 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO Hold:01-MAR-97 Hold:01-MAR-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-39 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-40 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS Hold:14-AUG-97 Hold:14-AUG-97 Hold:16-FEB-97 Hold:15-MAR-97 Hold:19-FEB-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-41 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-42 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO Hold:01-MAR-97 Hold:01-MAR-97	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-43 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-44 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Staff Sample Number	Collect Date	Receipt Date	Due Date
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-45 97BPXLIC2SD61(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-42B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-46 97BPXLIC2SD61(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: 124				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-47 97BPXLIC2SD61(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-42B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-48 97BPXLIC2SD61(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-42B				
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-49 97BPXLIC4SD02(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-42B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-50 97BPXLIC4SD02(08) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-42B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		

02194

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Apparator Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-51 Temp 4; Location: RFG01-42B Soil	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-52 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
	4 S 6020 BARIUM	Hold:14-AUG-97		
	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
	4 S 7471 MERCURY	Hold:15-MAR-97		
	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-53 Temp 4; Location: RFG01-9C Soil	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-54 Temp 4; Location: RFG01-9C Soil	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-55 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-9C Soil	97BPXLIA4SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
	4 S 6020 BARIUM	Hold:15-AUG-97		
	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
	4 S 7471 MERCURY	Hold:16-MAR-97		
	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-56 Temp 4; Location: RFG01-9C Soil	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-57 Temp 4; Location: RFG01-9C Soil	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		

C21947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collector	Receive	Date
Sample Number	Sample Number	Date	Date	Date

Soil	4	S AK 102.0 DRO	Hold:02-MAR-97	
L8849-58 97BPXLIA4SD02(08) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4	S 415.2 CARBON (TOC)	Hold:16-MAR-97	
L8849-59 97BPXLIA4SD02(08) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4	S 6020 BARIUM	Hold:15-AUG-97	
Soil	4	S 6020 ICP-MS METALS	Hold:15-AUG-97	
Soil	4	S 7196 CHROMIUM (VI)	Hold:17-FEB-97	
Soil	4	S 7471 MERCURY	Hold:16-MAR-97	
Soil	4	S PERCENT SOLIDS	Hold:19-FEB-97	
L8849-60 97BPXLIA6SD01(01) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4	S 8260 VOLATILES	Hold:02-MAR-97	
L8849-61 97BPXLIA6SD01(01) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4	S 8270 SEMI-VOLATILES	Hold:02-MAR-97	
Soil	4	S AK 102.0 DRO	Hold:02-MAR-97	
L8849-62 97BPXLIA6SD01(01) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4	S 415.2 CARBON (TOC)	Hold:16-MAR-97	
L8849-63 97BPXLIA6SD01(01) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4	S 6020 BARIUM	Hold:15-AUG-97	
Soil	4	S 6020 ICP-MS METALS	Hold:15-AUG-97	
Soil	4	S 7196 CHROMIUM (VI)	Hold:17-FEB-97	
Soil	4	S 7471 MERCURY	Hold:16-MAR-97	
Soil	4	S PERCENT SOLIDS	Hold:19-FEB-97	
L8849-64 97BPXLIA6SD02(08) 16-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				

02194

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collection	Receive	Due
Sample Number	Sample Number	Date	Date	PR Date
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-65	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-66	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-67	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM	Hold:15-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-68	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-69	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-70	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-71	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM	Hold:15-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		

021447

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collect	Receive	Due
Sample Number	Sample Number	Date	Date	PR Date
Soil	4 S 7471 MERCURY			Hold:16-MAR-97
Soil	4 S PERCENT SOLIDS			Hold:19-FEB-97
L8849-72	97BPXLIA8SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES			Hold:02-MAR-97
L8849-73	97BPXLIA8SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES			Hold:02-MAR-97
Soil	4 S AK 102.0 DRO			Hold:02-MAR-97
L8849-74	97BPXLIA8SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)			Hold:16-MAR-97
L8849-75	97BPXLIA8SD02 (08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM			Hold:15-AUG-97
Soil	4 S 6020 ICP-MS METALS			Hold:15-AUG-97
Soil	4 S 7196 CHROMIUM (VI)			Hold:17-FEB-97
Soil	4 S 7471 MERCURY			Hold:16-MAR-97
Soil	4 S PERCENT SOLIDS			Hold:19-FEB-97
L8849-76	97BPXLIA8SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES			Hold:02-MAR-97
L8849-77	97BPXLIA8SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES			Hold:02-MAR-97
Soil	4 S AK 102.0 DRO			Hold:02-MAR-97
L8849-78	97BPXLIA8SD01 (01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)			Hold:16-MAR-97

CJ1947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

LABORATORY	CLIENT	COLLECT	RECEIVE	DATE
Sample Number	Sample Number	Date	Date	PR Date
L8849-79	97BPXLIA8SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM	Hold:15-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-80	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-81	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-82	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
L8849-83	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM	Hold:15-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-84	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-85	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		

021447

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due Date
L8849-86 Temp 4; Location: RFG01-9C Soil 4 S 415.2 CARBON (TOC)	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:16-MAR-97
L8849-87 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-9C Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-AUG-97 Hold:15-AUG-97 Hold:17-FEB-97 Hold:16-MAR-97 Hold:19-FEB-97
L8849-88 Temp 4; Location: RFG18-48A3 Soil 4 S 8260 VOLATILES	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-89 Temp 4; Location: RFG18-48A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-90 Temp 4; Location: RFG18-47A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-91 Temp 4; Location: RFG18-47A3 Water 1 S 8260 VOLATILES	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-92 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-93 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-94 Temp 4; Location: RFG01-9C Soil 4 S 8260 VOLATILES	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-95 Temp 4; Location: RFG01-9C Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
				Hold:01-MAR-97
L8849-96 Temp 4; Location: RFG01-9C Soil 4 S 415.2 CARBON (TOC)	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-97 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-9C Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97
				Hold:14-AUG-97
				Hold:16-FEB-97
				Hold:15-MAR-97
				Hold:19-FEB-97
L8849-98 Temp 4; Location: RFG01-9C Soil 4 S 8260 VOLATILES	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-99 Temp 4; Location: RFG01-9C Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
				Hold:01-MAR-97
L8849-100 Temp 4; Location: RFG01-9C Soil 4 S 415.2 CARBON (TOC)	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-101 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-9C	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collect	Receive	Due
Sample Number	Sample Number	Date	Date	Pr. Date
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-102 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-103 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-104 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-9C				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-105 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-9C				
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-106 REPORT TYPE 19-FEB-97 19-FEB-97 26-FEB-97				
N-slope				
Location:				
Water	1 S DEFAULT			
Water	1 S EDD - DISK DEL.			
Water	1 S GC2			
Water	1 S GCMS2			
Water	1 S INORG TYPE 2 RPT			
Water	1 S WOLF			
L8849-107 97BPLI11SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97				
Temp 4;				
Location: RFG01-42B				

0219471

LOCKHEED ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT (ln01)
Feb 19 1997, 06:38 pm

Login Number: L8849
Account: 471 Montgomery Watson * Anchorage, AK
Project: LIBERTY ISLAND

Laboratory	Client	Collect	Receive	Due
Sample Number	Sample Number	Date	Date	PR Date

Soil 4 S 8260 VOLATILES Hold:01-MAR-97

Signature: Hal Alunan
Date: 2-19-97

021945



MONTGOMERY WATSON

C of C, #97-LI2

Page 1 of 2

BP EXPLORATION (ALAS. 1) INC. LIBERTY ISLAND PIPELINE SEDIMENT AND WATER SAMPLING

CP849

RETURN COOLERS TO:
MONTGOMERY WATSON
4100 Spenard Road
Anchorage, Alaska 99517
(907) 248-8883

REPORT DUE IN 7 CALANDER DAYS

CHAIN OF CUSTODY FORM

PROJ. NO. 1189002.280101		To: LOCKHEED, Attn: MARY WOLFE		TOTAL NO. OF CON- TAINERS	WATER			REMARKS
SAMPLERS: (Signature) 1987 WL [Signature]		[Signature]			TSS, EPA 160.2	VOC, 8260A 2-2 OZ	SVOC(8270B), DRO (8100M), TOC (415.1), 8 OZ.	
DATE	TIME	S/W	Sample ID					
2/14	2300	SED	97BPXLIB3SD0101	4	X	X	X	
2/14	2330	SED	97BPXLIB3SD0108	4				
2/15	0120	SED	97BPXLIB6SD0101	4				
2/15	0145	SED	97BPXLIB6SD0208	4				
2/15	0900	SED	97BPXLIB10SD01(07)	4				
2/15	0930	SED	97BPXLIB10SD02(08)	4				
2/15	1000	SED	97BPXLIB10SD62(08)	4				
2/15	1400	SED	97BPXLII1SD01(01)	4				
2/15	1445	SED	97BPXLII1SD02(08)	4				
2/15	2220	SED	97BPXLIC2SD01(01)	4				
2/15	2240	SED	97BPXLIC2SD02(08)	4				
2/15	2300	SED	97BPXLIC2SD61(08)	4				
2/15	1800	SED	97BPXLIC4SD02(08)	4				
2/15	1730	SED	97BPXLIC4SD01(08)	4				
2/16	1130	SED	97BPXLIA4SD01(01)	3				
2/16	1200	SED	97BPXLIA4SD02(08)	4				
2/16	0930	SED	97BPXLEA6SD01(01)	4	X	X	X	
Relinquished by: [Signature]		Date/Time: 2/10/97 1200	Shipped via: FedEx 38420		Notified: 59662		Date/Time	
Received for Laboratory by: [Signature]				Date: 02-19-97		Time: 09 45		

(SEA)

126710



MONTGOMERY WATSON

C of C, #97-LI2

Page 2 of 2

BP EXPLORATION (ALASKA) INC.
LIBERTY ISLAND PIPELINE SEDIMENT AND WATER
SAMPLING

RETURN COOLERS TO:
MONTGOMERY WATSON
4100 Spenard Road
Anchorage, Alaska 99517
(907) 248-8883

REPORT DUE IN 7 CALANDER DAYS

CHAIN OF CUSTODY FORM

LF49

PROJ. NO. 1189002.280101		To: LOCKHEED, Attn: MARY WOLFE		TOTAL NO. OF CON- TAINERS	WATER			REMARKS
SAMPLERS: (Signature) 1997 <i>W. J. [Signature]</i>		<i>J. [Signature]</i>			TSS, EPA 160.2	VOC, 8260A 2.2 oz	SVOC (8270B), DRO (8100M), TOC (415.1), 8 OZ.	
DATE	TIME	S/W	Sample ID					
2/16	1000	SED	97BPX LIA6 SD 02 (08)	4	X	X	X	
2/16	1010	SED	97BPX LIA6 SD 62 (08)	4				
2/16	0440	SED	97BPX LIA8 SD 02 (08)	4				
2/16	0430	SED	97BPX LIA8 SD 01 (01)	4				
2/16	0130	SED	97BPX LIA10 SD 01 (01)	4				
2/16	0150	SED	97BPX LIA10 SD 02 (08)	4	X	X	X	
2/16	1900	W	97 BPX LI TB 216 97	3	X			
2/14	1900	W	97 BPX LI 0214 97	3	X			
<i>[Signature]</i>								
Relinquished by: <i>[Signature]</i>		Date/Time 2/18/97 1200		Shipped via FedEx 384 2009652		Notified:		Date/Time
Received for Laboratory by: <i>[Signature]</i>				Date: 02-19-97		Time: 08:45		

121310

LOCKHEED MARTIN



Sample Login Login Review Checklist

Lot Number L8849

The login review should be conducted by that person logging in the samples as well as a peer. Please use this checklist to ensure that such reviews occur in a uniform basis. Please sign and date below to verify that a login review has occurred. This checklist should be affixed to each login package prior to distribution.

For effective login review, at a minimum, five reports from the login process are required. These are the COC (or equivalent), the login COC report, the sample summary report, the sample receiving checklist, and the login quotation. Before beginning review, ensure that these five components are available. Jobs with single component samples, the sample summary report may be omitted.

SAMPLE SUMMARY REPORT

	YES	NO	N/A	Comment
1. Are all sample ID's correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2. Are all samples present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
3. Are all matrices indicated correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
4. Are all analyses on the COC logged in for the appropriate samples?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
5. Are all analyses logged in for the correct container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
6. Are samples logged in according to LAS batching procedures?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

LOGIN CHAIN OF CUSTODY

	YES	NO	N/A	Comment
1. Are the collect, receive, and due dates correct for every sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2. Have all appropriate comments been indicated in the comment section?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

SAMPLE RECEIVING CHECKLIST

	YES	NO	N/A	Comment
1. Are all discrepancies between the COC and the login noted (if applicable)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Gail E. Cickerman 2-19-97
primary review signature date

[Signature] 2-19-97
secondary review signature date

0219471

Sample Receiving Checklist

Client Name: *Matheson Industrial*

Job No. *6849*

Cooler ID: *6897*

COOLER CONDITION UPON RECEIPT

Temperature of cooler upon receipt: *4°*
temperature of temp. blank upon receipt: *2°*

	Yes	No	* Comments/Discrepancies
custody seals intact	<input checked="" type="checkbox"/>		
chain of custody present	<input checked="" type="checkbox"/>		
blue ice (or equiv.) present/frozen	<input checked="" type="checkbox"/>		
rad survey completed	<input checked="" type="checkbox"/>		

SAMPLE CONDITION UPON RECEIPT

	Yes	No	* Comments/Discrepancies
all bottles labeled	<input checked="" type="checkbox"/>		
samples intact	<input checked="" type="checkbox"/>		
proper container used for sample type	<input checked="" type="checkbox"/>		
sample volume sufficient for analysis	<input checked="" type="checkbox"/>		
proper pres. indicated on the COC	<input checked="" type="checkbox"/>		
VOA's contain headspace	<input checked="" type="checkbox"/>		
are samples bi-phasic (if so, indicate sample ID'S):			<i>97 BPX L 4021497</i>

MISCELLANEOUS ITEMS

	Yes	No	* Comments/Discrepancies
samples with short holding times		<input checked="" type="checkbox"/>	
samples to subcontract		<input checked="" type="checkbox"/>	

ADDITIONAL COMMENTS/DISCREPANCIES *several bottles not listed on COC - 97BPX L C 45D0101 (4 bottles) is listed on COC as 97BPX L C 45D0101 (4 bottles)*
97BPX L B 85D 0208 (4 bottles)
97BPX L B 85D 0101 (4 bottles) = 12 total

Completed by / date: *[Signature] - 102-18-97*
 Sent to the client (date/initials): *[Signature]*

** Client's signature upon receipt:

Note: * = contact the appropriate CSR of any discrepancies immediately upon receipt.
 ** = please review this information and return via facsimile to the appropriate CSR (702) 361-8146

1Lhb180

Sample Receiving Checklist

Client Name:

Job No.

6849

Cooler ID:

6887

COOLER CONDITION UPON RECEIPT

Temperature of cooler upon receipt: **4°**

temperature of temp. blank upon receipt: **10**

	Yes	No	* Comments/Discrepancies
custody seals intact	<input checked="" type="checkbox"/>		
chain of custody present	<input checked="" type="checkbox"/>		
blue ice (or equiv.) present/frozen	<input checked="" type="checkbox"/>		
rad survey completed	<input checked="" type="checkbox"/>		

SAMPLE CONDITION UPON RECEIPT

	Yes	No	* Comments/Discrepancies
all bottles labeled	<input checked="" type="checkbox"/>		
samples intact	<input checked="" type="checkbox"/>		
proper container used for sample type	<input checked="" type="checkbox"/>		
sample volume sufficient for analysis	<input checked="" type="checkbox"/>		
proper pres. indicated on the COC	<input checked="" type="checkbox"/>		
VOA's contain headspace		<input checked="" type="checkbox"/>	
are samples bi-phasic (if so, indicate sample ID'S):		<input checked="" type="checkbox"/>	

MISCELLANEOUS ITEMS

	Yes	No	* Comments/Discrepancies
samples with short holding times		<input checked="" type="checkbox"/>	
samples to subcontract		<input checked="" type="checkbox"/>	

ADDITIONAL COMMENTS/DISCREPANCIES

Completed by / date: *[Signature]* / **02-19-97**

Sent to the client (date/initials): *[Signature]*

** Client's signature upon receipt:

*Note: ** - contact the appropriate CSR of any discrepancies immediately upon receipt

** - please review this information and return via facsimile to the appropriate CSR (702) 361-8146

1171110

Lockheed Analytical Laboratory
 SAMPLE SUMMARY REPORT (su02)
 Montgomery Watson * Anchorage, AK

Sample Number	Sample Number	Matrix	Method
97BPLIISD01(01)	L8849-107	Soil	8260 VOLATILES
97BPXLI021497	L8849-91	Water	8260 VOLATILES
	L8849-92	Water	NONE
	L8849-93	Water	NONE
97BPXLIA10SD01(01)	L8849-80	Soil	8260 VOLATILES
	L8849-81	Soil	8270 SEMI-VOLATI
	L8849-81	Soil	AK 102.0 DRO
	L8849-82	Soil	415.2 CARBON (TC
	L8849-83	Soil	6020 BARIUM
	L8849-83	Soil	6020 ICP-MS MET/
	L8849-83	Soil	7196 CHROMIUM (V
	L8849-83	Soil	7471 MERCURY PERCENT SOLIDS
97BPXLIA10SD02(08)	L8849-84	Soil	8260 VOLATILES
	L8849-85	Soil	8270 SEMI-VOLATI
	L8849-85	Soil	AK 102.0 DRO
	L8849-86	Soil	415.2 CARBON (TC
	L8849-87	Soil	6020 BARIUM
	L8849-87	Soil	6020 ICP-MS META
	L8849-87	Soil	7196 CHROMIUM (V
	L8849-87	Soil	7471 MERCURY PERCENT SOLIDS
97BPXLIA4SD01(01)	L8849-53	Soil	8260 VOLATILES
	L8849-54	Soil	8270 SEMI-VOLATI
	L8849-54	Soil	AK 102.0 DRO
	L8849-55	Soil	415.2 CARBON (TO
	L8849-55	Soil	6020 BARIUM
	L8849-55	Soil	6020 ICP-MS META
	L8849-55	Soil	7196 CHROMIUM (V
	L8849-55	Soil	7471 MERCURY PERCENT SOLIDS
97BPXLIA4SD02(08)	L8849-56	Soil	8260 VOLATILES
	L8849-57	Soil	8270 SEMI-VOLATI
	L8849-57	Soil	AK 102.0 DRO
	L8849-58	Soil	415.2 CARBON (TO
	L8849-59	Soil	6020 BARIUM
	L8849-59	Soil	6020 ICP-MS META
	L8849-59	Soil	7196 CHROMIUM (V
	L8849-59	Soil	7471 MERCURY PERCENT SOLIDS
97BPXLIA6SD01(01)	L8849-60	Soil	8260 VOLATILES
	L8849-61	Soil	8270 SEMI-VOLATI
	L8849-61	Soil	AK 102.0 DRO
	L8849-62	Soil	415.2 CARBON (TC
	L8849-63	Soil	6020 BARIUM
	L8849-63	Soil	6020 ICP-MS META
	L8849-63	Soil	7196 CHROMIUM (V 7471 MERCURY

0219471

Lockheed Analytical Laboratory
 SAMPLE SUMMARY REPORT (su02)
 Montgomery Watson * Anchorage, AK

Client	Lab	SDG	Matrix	Method
Sample Number	Sample Number	Number		
	L8849-63		Soil	PERCENT SOLIDS
97BPXLIA6SD02(08)	L8849-64		Soil	8260 VOLATILES
	L8849-65		Soil	8270 SEMI-VOLA
	L8849-65		Soil	AK 102.0 DRO
	L8849-66		Soil	415.2 CARBON (
	L8849-67		Soil	6020 BARIUM
	L8849-67		Soil	6020 ICP-MS MET
	L8849-67		Soil	7196 CHROMIUM (
	L8849-67		Soil	7471 MERCURY
	L8849-67		Soil	PERCENT SOLIDS
97BPXLIA6SD62(08)	L8849-68		Soil	8260 VOLATILES
	L8849-69		Soil	8270 SEMI-VOLA
	L8849-69		Soil	AK 102.0 DRO
	L8849-70		Soil	415.2 CARBON (T
	L8849-71		Soil	6020 BARIUM
	L8849-71		Soil	6020 ICP-MS MET
	L8849-71		Soil	7196 CHROMIUM (
	L8849-71		Soil	7471 MERCURY
	L8849-71		Soil	PERCENT SOLIDS
97BPXLIA8SD01(01)	L8849-76		Soil	8260 VOLATILES
	L8849-77		Soil	8270 SEMI-VOLAT
	L8849-77		Soil	AK 102.0 DRO
	L8849-78		Soil	415.2 CARBON
	L8849-79		Soil	6020 BARIUM
	L8849-79		Soil	6020 ICP-MS MET
	L8849-79		Soil	7196 CHROMIUM (
	L8849-79		Soil	7471 MERCURY
	L8849-79		Soil	PERCENT SOLIDS
97BPXLIA8SD02(08)	L8849-72		Soil	8260 VOLATILES
	L8849-73		Soil	8270 SEMI-VOLAT
	L8849-73		Soil	AK 102.0 DRO
	L8849-74		Soil	415.2 CARBON (T
	L8849-75		Soil	6020 BARIUM
	L8849-75		Soil	6020 ICP-MS MET
	L8849-75		Soil	7196 CHROMIUM (V
	L8849-75		Soil	7471 MERCURY
	L8849-75		Soil	PERCENT SOLIDS
97BPXLIB10SD01(01)	L8849-17		Soil	8260 VOLATILES
	L8849-18		Soil	8270 SEMI-VOLAT
	L8849-18		Soil	AK 102.0 DRO
	L8849-19		Soil	415.2 CARBON (TO
	L8849-20		Soil	6020 BARIUM
	L8849-20		Soil	6020 ICP-MS MET
	L8849-20		Soil	7196 CHROMIUM (V
	L8849-20		Soil	7471 MERCURY
	L8849-20		Soil	PERCENT SOLIDS
97BPXLIB10SD02(08)	L8849-21		Soil	8260 VOLATILF
	L8849-22		Soil	8270 SEMI-VOL
	L8849-22		Soil	AK 102.0 DRO

0219471

Lockheed Analytical Laboratory
 SAMPLE SUMMARY REPORT (su02)
 Montgomery Watson * Anchorage, AK

Sample Number	Sample Number	Matrix	Method
	L8849-23	Soil	415.2 CARBON (T
	L8849-24	Soil	6020 BARIUM
	L8849-24	Soil	6020 ICP-MS MET/
	L8849-24	Soil	7196 CHROMIUM (
	L8849-24	Soil	7471 MERCURY
	L8849-24	Soil	PERCENT SOLIDS
97BPXLIB10SD62(08)	L8849-25	Soil	8260 VOLATILES
	L8849-26	Soil	8270 SEMI-VOLAT
	L8849-26	Soil	AK 102.0 DRO
	L8849-27	Soil	415.2 CARBON (T
	L8849-28	Soil	6020 BARIUM
	L8849-28	Soil	6020 ICP-MS MET/
	L8849-28	Soil	7196 CHROMIUM (
	L8849-28	Soil	7471 MERCURY
	L8849-28	Soil	PERCENT SOLIDS
97BPXLIB3SD01(01)	L8849-1	Soil	8260 VOLATILES
	L8849-2	Soil	8270 SEMI-VOLAT
	L8849-2	Soil	AK 102.0 DRO
	L8849-3	Soil	415.2 CARBON (T
	L8849-4	Soil	6020 BARIUM
	L8849-4	Soil	6020 ICP-MS MET/
	L8849-4	Soil	7196 CHROMIUM (
	L8849-4	Soil	7471 MERCURY
	L8849-4	Soil	PERCENT SOLIDS
97BPXLIB3SD02(08)	L8849-5	Soil	8260 VOLATILES
	L8849-6	Soil	8270 SEMI-VOLAT
	L8849-6	Soil	AK 102.0 DRO
	L8849-7	Soil	415.2 CARBON (T
	L8849-8	Soil	6020 BARIUM
	L8849-8	Soil	6020 ICP-MS MET/
	L8849-8	Soil	7196 CHROMIUM (
	L8849-8	Soil	7471 MERCURY
	L8849-8	Soil	PERCENT SOLIDS
97BPXLIB6SD01(01)	L8849-9	Soil	8260 VOLATILES
	L8849-10	Soil	8270 SEMI-VOLAT
	L8849-10	Soil	AK 102.0 DRO
	L8849-11	Soil	415.2 CARBON (T
	L8849-12	Soil	6020 BARIUM
	L8849-12	Soil	6020 ICP-MS MET/
	L8849-12	Soil	7196 CHROMIUM (
	L8849-12	Soil	7471 MERCURY
	L8849-12	Soil	PERCENT SOLIDS
97BPXLIB6SD02(08)	L8849-13	Soil	8260 VOLATILES
	L8849-14	Soil	8270 SEMI-VOLAT
	L8849-14	Soil	AK 102.0 DRO
	L8849-15	Soil	415.2 CARBON (T
	L8849-16	Soil	6020 BARIUM
	L8849-16	Soil	6020 ICP-MS MET/
	L8849-16	Soil	7196 CHROMIUM (
	L8849-16	Soil	7471 MERCURY

021945

Lockheed Analytical Laboratory
 SAMPLE SUMMARY REPORT (su02)
 Montgomery Watson * Anchorage, AK

Client Sample Number	Sample Number	Matrix	Method
	L8849-16	Soil	PERCENT SOLIDS
97BPXLIB8SD01(01)	L8849-98	Soil	8260 VOLATILES
	L8849-99	Soil	8270 SEMI-VOLAT
	L8849-99	Soil	AK 102.0 DRO
	L8849-100	Soil	415.2 CARBON (T
	L8849-101	Soil	6020 BARIUM
	L8849-101	Soil	6020 ICP-MS MET/
	L8849-101	Soil	7196 CHROMIUM (V
	L8849-101	Soil	7471 MERCURY
	L8849-101	Soil	PERCENT SOLIDS
97BPXLIB8SD02(08)	L8849-94	Soil	8260 VOLATILES
	L8849-95	Soil	8270 SEMI-VOLAT
	L8849-95	Soil	AK 102.0 DRO
	L8849-96	Soil	415.2 CARBON (TC
	L8849-97	Soil	6020 BARIUM
	L8849-97	Soil	6020 ICP-MS MET.
	L8849-97	Soil	7196 CHROMIUM (V
	L8849-97	Soil	7471 MERCURY
	L8849-97	Soil	PERCENT SOLIDS
97BPXLIC2SD01(01)	L8849-37	Soil	8260 VOLATILES
	L8849-38	Soil	8270 SEMI-VOLAT
	L8849-38	Soil	AK 102.0 DRO
	L8849-39	Soil	415.2 CARBON (TC
	L8849-40	Soil	6020 BARIUM
	L8849-40	Soil	6020 ICP-MS MET/
	L8849-40	Soil	7196 CHROMIUM (I
	L8849-40	Soil	7471 MERCURY
	L8849-40	Soil	PERCENT SOLIDS
97BPXLIC2SD02(08)	L8849-41	Soil	8260 VOLATILES
	L8849-42	Soil	8270 SEMI-VOLATI
	L8849-42	Soil	AK 102.0 DRO
	L8849-43	Soil	415.2 CARBON (TC
	L8849-44	Soil	6020 BARIUM
	L8849-44	Soil	6020 ICP-MS META
	L8849-44	Soil	7196 CHROMIUM (V
	L8849-44	Soil	7471 MERCURY
	L8849-44	Soil	PERCENT SOLIDS
97BPXLIC2SD61(08)	L8849-45	Soil	8260 VOLATILES
	L8849-46	Soil	8270 SEMI-VOLATI
	L8849-46	Soil	AK 102.0 DRO
	L8849-47	Soil	415.2 CARBON (TO
	L8849-48	Soil	6020 BARIUM
	L8849-48	Soil	6020 ICP-MS META
	L8849-48	Soil	7196 CHROMIUM (V
	L8849-48	Soil	7471 MERCURY
	L8849-48	Soil	PERCENT SOLIDS
97BPXLIC4SD01(01)	L8849-102	Soil	8260 VOLATILE
	L8849-103	Soil	8270 SEMI-VOLA...
	L8849-103	Soil	AK 102.0 DRO

0219471

Lockheed Analytical Laboratory
 SAMPLE SUMMARY REPORT (su02)
 Montgomery Watson * Anchorage, AK

Client Sample Number	LAL Sample Number	SDG Number	Matrix	Method
	L8849-104		Soil	415.2 CARBON (T
	L8849-105		Soil	6020 BARIUM
	L8849-105		Soil	6020 ICP-MS MET
	L8849-105		Soil	7196 CHROMIUM (
	L8849-105		Soil	7471 MERCURY
	L8849-105		Soil	PERCENT SOLIDS
97BPXLIC4SD02(08)	L8849-49		Soil	8260 VOLATILES
	L8849-50		Soil	8270 SEMI-VOLAT
	L8849-50		Soil	AK 102.0 DRO
	L8849-51		Soil	415.2 CARBON (T
	L8849-52		Soil	6020 BARIUM
	L8849-52		Soil	6020 ICP-MS MET
	L8849-52		Soil	7196 CHROMIUM (
	L8849-52		Soil	7471 MERCURY
	L8849-52		Soil	PERCENT SOLIDS
97BPXLIII1SD01(01)	L8849-30		Soil	8270 SEMI-VOLAT
	L8849-30		Soil	AK 102.0 DRO
	L8849-31		Soil	415.2 CARBON (T
	L8849-32		Soil	6020 BARIUM
	L8849-32		Soil	6020 ICP-MS MET
	L8849-32		Soil	7196 CHROMIUM (
	L8849-32		Soil	7471 MERCURY
	L8849-32		Soil	PERCENT SOLIDS
97BPXLIII1SD02(08)	L8849-33		Soil	8260 VOLATILES
	L8849-34		Soil	8270 SEMI-VOLAT
	L8849-34		Soil	AK 102.0 DRO
	L8849-35		Soil	415.2 CARBON (T
	L8849-36		Soil	6020 BARIUM
	L8849-36		Soil	6020 ICP-MS MET
	L8849-36		Soil	7196 CHROMIUM (
	L8849-36		Soil	7471 MERCURY
	L8849-36		Soil	PERCENT SOLIDS
97BPXLITB21697	L8849-88		Soil	8260 VOLATILES
	L8849-89		Soil	NONE
	L8849-90		Soil	NONE
REPORT TYPE	L8849-106		Water	DEFAULT
	L8849-106		Water	EDD - DISK DEL.
	L8849-106		Water	GC2
	L8849-106		Water	GCMS2
	L8849-106		Water	INORG TYPE 2 RP
	L8849-106		Water	WOLF

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
-----------------------------	-------------------------	-----------------	-----------------	----------------

L8849-31	97BPXLII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

* L8849-32	97BPXLII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
------------	-------------------	-----------	-----------	-----------

Temp 4, As, Ba, Cr, Cd
 Location: L8849-115
 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97
 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97
 Soil 4 S 7471 MERCURY Hold:15-MAR-97
 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-33	97BPXLII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: 130
 Soil 4 S 8260 VOLATILES Hold:01-MAR-97

L8849-34	97BPXLII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97
 Soil 4 S AK 102.0 DRO Hold:01-MAR-97

L8849-35	97BPXLII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-15B
 Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

* L8849-36	97BPXLII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
------------	-------------------	-----------	-----------	-----------

Temp 4, As, Ba, Cr, Cd
 Location: L8849-116
 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97
 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97
 Soil 4 S 7471 MERCURY Hold:15-MAR-97
 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-37	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
----------	-------------------	-----------	-----------	-----------

Temp 4;
 Location: 130
 Soil 4 S 8260 VOLATILES Hold:01-MAR-97

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Shipped Date	Received Date	Due Date
L8849-38	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-39	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-40	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-117				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-41	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-42	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-43	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-44	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-118				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

LABORATORY	CLIENT	DATE	DATE	DATE
SAMPLE NUMBER	SAMPLE NUMBER	DATE	DATE	PR DATE

L8849-45	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-46	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-47	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-48	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-119				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-49	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-42B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-50	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-51	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
* L8849-52	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-120				
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PK Date
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-53				
97BPXLIA4SD01(01)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-54				
97BPXLIA4SD01(01)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
* L8849-55				
97BPXLIA4SD01(01)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-121				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-56				
97BPXLIA4SD02(08)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-57				
97BPXLIA4SD02(08)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-58				
97BPXLIA4SD02(08)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
* L8849-59				
97BPXLIA4SD02(08)		16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-122				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory	Client	Collection	Release	Issue
Sample Number	Sample Number	Date	Date	PR Date
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-60	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-61	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-62	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
* L8849-63	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-123				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-64	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-65	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-66	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due Date
* L8849-67	97BPXLIJA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-124				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-68	97BPXLIJA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-69	97BPXLIJA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		
L8849-70	97BPXLIJA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)	Hold:16-MAR-97		
* L8849-71	97BPXLIJA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-125				
Soil	4 S 6020 ICP-MS METALS	Hold:15-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:17-FEB-97		
Soil	4 S 7471 MERCURY	Hold:16-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-72	97BPXLIJA8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES	Hold:02-MAR-97		
L8849-73	97BPXLIJA8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES	Hold:02-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:02-MAR-97		

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (In01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Lab. No.	Client	Collection	Receive	PR
Sample Number	Sample Number	Date	Date	Date

L8849-74	97BPXLIASD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
----------	------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-124B
 Soil 4 S 415.2 CARBON (TOC) Hold:16-MAR-97

* L8849-75	97BPXLIASD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
------------	------------------	-----------	-----------	-----------

Temp 4, As, Ba, Cr, Cd
 Location: L8849-126
 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97
 Soil 4 S 7196 CHROMIUM (VI) Hold:17-FEB-97
 Soil 4 S 7471 MERCURY Hold:16-MAR-97
 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-76	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
----------	------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG01-9C
 Soil 4 S 8260 VOLATILES Hold:02-MAR-97

L8849-77	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
----------	------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-124B
 Soil 4 S 8270 SEMI-VOLATILES Hold:02-MAR-97
 Soil 4 S AK 102.0 DRO Hold:02-MAR-97

L8849-78	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
----------	------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG19-124B
 Soil 4 S 415.2 CARBON (TOC) Hold:16-MAR-97

* L8849-79	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
------------	------------------	-----------	-----------	-----------

Temp 4, As, Ba, Cr, Cd
 Location: L8849-127
 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97
 Soil 4 S 7196 CHROMIUM (VI) Hold:17-FEB-97
 Soil 4 S 7471 MERCURY Hold:16-MAR-97
 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-80	97BPXLIASD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
----------	------------------	-----------	-----------	-----------

Temp 4;
 Location: RFG01-9C
 Soil 4 S 8260 VOLATILES Hold:02-MAR-97

C2194

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR DATA
L8849-81	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES		Hold:02-MAR-97	
Soil	4 S AK 102.0 DRO		Hold:02-MAR-97	
L8849-82	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)		Hold:16-MAR-97	
* L8849-83	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-128				
Soil	4 S 6020 ICP-MS METALS		Hold:15-AUG-97	
Soil	4 S 7196 CHROMIUM (VI)		Hold:17-FEB-97	
Soil	4 S 7471 MERCURY		Hold:16-MAR-97	
Soil	4 S PERCENT SOLIDS		Hold:19-FEB-97	
L8849-84	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-9C				
Soil	4 S 8260 VOLATILES		Hold:02-MAR-97	
L8849-85	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 8270 SEMI-VOLATILES		Hold:02-MAR-97	
Soil	4 S AK 102.0 DRO		Hold:02-MAR-97	
L8849-86	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG19-124B				
Soil	4 S 415.2 CARBON (TOC)		Hold:16-MAR-97	
* L8849-87	97BPXLIA10SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd				
Location: L8849-129				
Soil	4 S 6020 ICP-MS METALS		Hold:15-AUG-97	
Soil	4 S 7196 CHROMIUM (VI)		Hold:17-FEB-97	
Soil	4 S 7471 MERCURY		Hold:16-MAR-97	
Soil	4 S PERCENT SOLIDS		Hold:19-FEB-97	

C21947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Analysis Date	Release Date	Exp. Date
L8849-88 Temp 4; Location: RFG18-48A3 Soil 4 S 8260 VOLATILES	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-89 Temp 4; Location: RFG18-48A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-90 Temp 4; Location: RFG18-47A3 Soil 4 S NONE	97BPXLITB21697	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-91 Temp 4; Location: RFG18-47A3 Water 1 S 8260 VOLATILES	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:02-MAR-97
L8849-92 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-93 Temp 4; Location: RFG18-47A3 Water 1 S NONE	97BPXLI021497	16-FEB-97	19-FEB-97	26-FEB-97
				Hold:26-FEB-97
L8849-94 Temp 4; Location: RFG01-9C Soil 4 S 8260 VOLATILES	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-95 Temp 4; Location: RFG19-124B Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97 Hold:01-MAR-97
L8849-96 Temp 4; Location: RFG19-124B	97BPXLIB8SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Sample Number	Client	Sample Number	Contact Date	Receive Date	Due Date
---------------	--------	---------------	--------------	--------------	----------

Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

* L8849-97 97BPXLIB8SD02(08) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4, As, Ba, Cr, Cd

Location: L8849-130

Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97

Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97

Soil 4 S 7471 MERCURY Hold:15-MAR-97

Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-98 97BPXLIB8SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4;

Location: RFG01-9C

Soil 4 S 8260 VOLATILES Hold:01-MAR-97

L8849-99 97BPXLIB8SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4;

Location: RFG19-15B

Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97

Soil 4 S AK 102.0 DRO Hold:01-MAR-97

L8849-100 97BPXLIB8SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4;

Location: RFG19-124B

Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97

* L8849-101 97BPXLIB8SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4, As, Ba, Cr, Cd

Location: L8849-131

Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97

Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97

Soil 4 S 7471 MERCURY Hold:15-MAR-97

Soil 4 S PERCENT SOLIDS Hold:19-FEB-97

L8849-102 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4;

Location: RFG01-9C

Soil 4 S 8260 VOLATILES Hold:01-MAR-97

L8849-103 97BPXLIC4SD01(01) 15-FEB-97 19-FEB-97 26-FEB-97

Temp 4;

Location: RFG19-15B

Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97

Soil 4 S AK 102.0 DRO Hold:01-MAR-97

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Hold PR Date
L8849-104	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4; Location: RFG19-15B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97				
* L8849-105	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd Location: L8849-132 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97				
L8849-106	REPORT TYPE	19-FEB-97	19-FEB-97	26-FEB-97
N-slope Location: Water 1 S DEFAULT Water 1 S EDD - DISK DEL. Water 1 S GC2 Water 1 S GCMS2 Water 1 S INORG TYPE 2 RPT Water 1 S WOLF				
L8849-107	97BPLI11SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES Hold:01-MAR-97				
* L8849-108	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
Temp 4; BaSO4; ALSO L8849-4 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:13-AUG-97				
* L8849-109	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
Temp 4; BaSO4; ALS L8849-8 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:13-AUG-97				
* L8849-110	97BPXLIB6SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4; BaSO4; ALSO L8849-12 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97				

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Citant Sample Number	Collect Date	Receive Date	Due Date
* L8849-111 Temp 4; BaSO4; ALSO L8849-16 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIH6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-112 Temp 4; BaSO4; ALSO L8849-20 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-113 Temp 4; BaSO4; ALSO L8849-24 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIH10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-114 Temp 4; BaSO4; ALSO L8849-28 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-115 Temp 4; BaSO4; ALSO L8849-32 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-116 Temp 4; BaSO4; ALSO L8849-36 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLI11SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-117 Temp 4; BaSO4; ALSO L8849-40 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIC2SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-118 Temp 4; BaSO4; ALSO L8849-43 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIC2SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-119 Temp 4; BaSO4; ALSO L8849-48 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIC2SD61(08)	15-FEB-97	19-FEB-97	26-FEB-97

02194

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	DOB PR Date
* L8849-120 Temp 4; BaSO4; ALSO L8849-52 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIC4SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-121 Temp 4; BaSO4; ALSO L8849-55 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIA4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-122 Temp 4; BaSO4; ALSO L8849-59 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA4SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-123 Temp 4; BaSO4; ALSO L8849-63 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA6SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-124 Temp 4; BaSO4; ALSO L8849-67 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA6SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-125 Temp 4; BaSO4; ALSO L8849-71 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA6SD62(08)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-126 Te; ALSOL8849-75 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-127 Temp 4; BaSO4; ALSO L8849-79 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA8SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-128 Temp 4; BaSO4; ALSO L8849-83 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIA10SD01(01)	16-FEB-97	19-FEB-97	26-FEB-97

C21947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (1n01)
 Feb 21 1997, 01:47 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
* L8849-129 Temp 4; BaSO4; ALSO L8849-87 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLI1A10SD02(09)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-130 Temp 4; BaSO4; ALSO L8849-97 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:15-AUG-97	97BPXLIB8SD02(08)	16-FEB-97	19-FEB-97	26-FEB-97
* L8849-131 Temp 4; BaSO4; ALSO L8849-101 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIB8SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
* L8849-132 Temp 4; BaSO4; ALSO L8849-105 Location: 133 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97	97BPXLIC4SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97

Signature: 

Date: 21 21 1997

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due ER Date
L8849-1 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
L8849-2 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97 Hold:28-FEB-97
L8849-3 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-MAR-97
L8849-4 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIB3SD01(01)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:13-AUG-97 Hold:13-AUG-97 Hold:15-FEB-97 Hold:14-MAR-97 Hold:19-FEB-97
L8849-5 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97
L8849-6 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:28-FEB-97 Hold:28-FEB-97
L8849-7 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-MAR-97
L8849-8 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B	97BPXLIB3SD02(08)	14-FEB-97	19-FEB-97	26-FEB-97

021971

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-15 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-16 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIB6SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97 Hold:14-AUG-97 Hold:16-FEB-97 Hold:15-MAR-97 Hold:19-FEB-97
L8849-17 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97
L8849-18 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Soil 4 S AK 102.0 DRO	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97 Hold:01-MAR-97
L8849-19 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC)	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:15-MAR-97
L8849-20 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Soil 4 S 6020 ICP-MS METALS Soil 4 S 7196 CHROMIUM (VI) Soil 4 S 7471 MERCURY Soil 4 S PERCENT SOLIDS	97BPXLIB10SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:14-AUG-97 Hold:14-AUG-97 Hold:16-FEB-97 Hold:15-MAR-97 Hold:19-FEB-97
L8849-21 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
				Hold:01-MAR-97

0219471

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (Ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Laboratory Sample Number	Client Sample Number	Collect Date	Receive Date	Due FR Date
L8849-22	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: 124				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-23	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-42B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-24	97BPXLIB10SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-42B				
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		
L8849-25	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-42B				
Soil	4 S 8260 VOLATILES	Hold:01-MAR-97		
L8849-26	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: 124				
Soil	4 S 8270 SEMI-VOLATILES	Hold:01-MAR-97		
Soil	4 S AK 102.0 DRO	Hold:01-MAR-97		
L8849-27	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4;				
Location: RFG01-42B				
Soil	4 S 415.2 CARBON (TOC)	Hold:15-MAR-97		
L8849-28	97BPXLIB10SD62(08)	15-FEB-97	19-FEB-97	26-FEB-97
Temp 4, As, Ba, Cr, Cd, BaSO4				
Location: RFG01-42B				
Soil	4 S 6020 BARIUM	Hold:14-AUG-97		
Soil	4 S 6020 ICP-MS METALS	Hold:14-AUG-97		
Soil	4 S 7196 CHROMIUM (VI)	Hold:16-FEB-97		
Soil	4 S 7471 MERCURY	Hold:15-MAR-97		
Soil	4 S PERCENT SOLIDS	Hold:19-FEB-97		

021947

LOCKHEED ANALYTICAL SERVICES
 LOGIN CHAIN OF CUSTODY REPORT (ln01)
 Feb 19 1997, 06:38 pm

Login Number: L8849
 Account: 471 Montgomery Watson * Anchorage, AK
 Project: LIBERTY ISLAND

Lab Sample Number	Client Sample Number	Collect Date	Receive Date	Due PR Date
L8849-30 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97 Soil 4 S AK 102.0 DRO Hold:01-MAR-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-31 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-32 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Hold:14-AUG-97 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIII1SD01(01)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-33 Temp 4; Location: RFG01-42B Soil 4 S 8260 VOLATILES Hold:01-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-34 Temp 4; Location: 124 Soil 4 S 8270 SEMI-VOLATILES Hold:01-MAR-97 Soil 4 S AK 102.0 DRO Hold:01-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-35 Temp 4; Location: RFG01-42B Soil 4 S 415.2 CARBON (TOC) Hold:15-MAR-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97
L8849-36 Temp 4, As, Ba, Cr, Cd, BaSO4 Location: RFG01-42B Soil 4 S 6020 BARIUM Hold:14-AUG-97 Soil 4 S 6020 ICP-MS METALS Hold:14-AUG-97 Soil 4 S 7196 CHROMIUM (VI) Hold:16-FEB-97 Soil 4 S 7471 MERCURY Hold:15-MAR-97 Soil 4 S PERCENT SOLIDS Hold:19-FEB-97	97BPXLIII1SD02(08)	15-FEB-97	19-FEB-97	26-FEB-97

NON-METALS



LAS Laboratories, Inc.

WT CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB3SD01(01)
Date Collected: 14-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.67

Element	Method	Lab#	Value	UCL	MDL	Fl	Qual	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON		415.2	45828	16700	30	100	1		25-FEB-97	L8849-3
CHROMIUM, HEXAVALENT		7196	45838	<0.3	0.04	0.3	1	U	24-FEB-97	L8849-4

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB3SD02(08)
Date Collected: 14-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 81.17

Constituent	Method	Batch	Value	UCL	LLC	DIL	LAB	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	<100	30	100	1	U	mg/kg	25-FEB-97	L8849-7
CHROMIUM, HEXAVALENT	7196	45830	<0.2	0.04	0.2	1	U	mg/kg	24-FEB-97	L8849-8

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB6SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 67.8

Constituent	Method	Batch	Value	MOE	ADL	U1	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	36200	30	100	1		mg/kg	25-FEB-97	L8849-11
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97	L8849-12

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIB10SD01(01)

Login Number: L8849

Date Collected: 15-FEB-97

Date Received: 19-FEB-97

Matrix: Soil

Percent Solids: 79.94

Constituent	Method	Batch	Value	mg/L	min	max	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	23900	30	100	1		mg/kg	25-FEB-97	L8849-19
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97	L8849-20

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB6SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 77.97

Parameter	Method	Result	Unit	MDL	RM	Soil	QTY	Units	Date Analyzed	Lab ID
TOTAL ORGANIC CARBON		415.2	45828	29200	30	100	1		25-FEB-97	L8849-15
CHROMIUM, HEXAVALENT		7196	45630	<0.3	0.04	0.3	1	U	24-FEB-97	L8849-16

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB8SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 71.56

Constituent	Method	Batch	Value	MDL	REL	PH	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	22100	30	100	1	*	wg/kg	25-FEB-97	L8849-100
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.04	0.3	1	U	wg/kg	26-FEB-97	L8849-101

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB8SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 71.24

Parameter	Method	Batch	Value	MDL	SDL	HL	Qm	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	45100	30	100	1	*	wg/kg	25-FEB-97	L8849-96
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.04	0.3	1	U	wg/kg	26-FEB-97	L8849-97

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB10SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 72.81

Parameter	Method	Batch	Value	Unit	RM	DL	Qual	Units	Analysed	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	34000	30	100	1		mg/kg	25-FEB-97	L8849-23
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97	L8849-24

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIB10SD62(08)

Date Collected: 15-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 73.51

Element	Method	Result	Value	SD	SDG	DU	Unit	Date Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	33600	30	100	1	mg/kg	25-FEB-97	L8849-27
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	mg/kg	24-FEB-97	L8849-28

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLI11SD01(01)

Date Collected: 15-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 76.81

Constituent	Method	Batch	Value	MDL	SLD	DL	Unit	Date	Analyst	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	38100	30	100	1	mg/kg	25-FEB-97	L8849-31	
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	mg/kg	24-FEB-97	L8849-32	

LAS Laboratories, Inc.

T CHEM DATA REPORT

Count Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIILSD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 78.66

Constituent	Method	Range	Value	REL	TOL	HL	Qual	Units	Analysis	LAP ID
TOTAL ORGANIC CARBON	415.2	45828	30200	30	100	1		mg/kg	25-FEB-97	L8849-35
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97	L8849-36

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC4SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 80.59

Constituent	Method	Batch	Value	MDL	SDG	BIT	Unit	Date	Analyst	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	16000	30	100	1	*	mg/kg	25-FEB-97	L8849-104
CHROMIUM, HEXAVALENT	7196	45831	<0.2	0.04	0.2	1	U	mg/kg	26-FEB-97	L8849-105

LAS Laboratories, Inc.

CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC4SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 76.15

Method	ACCG	VAL	UNIT	REL	ML	QCAL	DATE	ANALYST	LAB ID
TOTAL ORGANIC CARBON	415.2	45828	16400	30	100	1		mg/kg	25-FEB-97 L8849-51
CHROMIUM, HEXAVALENT	7196	45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97 L8849-52

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPKLIC2SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.28

Element	Method	Batch	Value	MDL	MDL	DF	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON		45828	40200	30	100	1		mg/kg	25-FEB-97	L8849-39
CHROMIUM, HEXAVALENT		45830	<0.3	0.04	0.3	1	U	mg/kg	24-FEB-97	L8849-40

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC2SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: 18849
Date Received: 19-FEB-97
Percent Solids: 80.26

Component	Method	Batch #	Value	LOL	RDL	DCI	Unit	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	9110	30	100	1		mg/kg	25-FEB-97	18849-43
CHROMIUM, HEXAVALENT	7196	45830	<0.2	0.04	0.2	1	U	mg/kg	24-FEB-97	18849-44

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIC2SD61(08)

Date Collected: 15-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 80.77

CONSTITUENT	Method	Batch	Value	Unit	ED	DL	QAD	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45828	19700	30	100	1		mg/kg	25-FEB-97	L8849-47
CHROMIUM, HEXAVALENT	7196	45830	<0.2	0.04	0.2	1	U	mg/kg	24-FEB-97	L8849-48

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA10SD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 64.75

Constituent	Method	Batch	Value	MDL	EDL	DFI	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	16000	30	100	1	*	mg/kg	25-FEB-97	L8849-82
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.05	0.3	1	U	mg/kg	26-FEB-97	L8849-83

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIA10SD02(08)

Date Collected: 16-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 55.4

Constituent	Method	Result	Value	Min	Max	DPI	Unit	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	85900	30	100	1	*	wg/kg	25-FEB-97 L8849-86
CHROMIUM, HEXAVALENT	7196	45031	<0.4	0.05	0.4	1	U	wg/kg	26-FEB-97 L8849-87

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIASD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 61.62

Parameter	Method	Batch	Value	MDL	REL	DU1	Qual	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	29800	30	100	1	*	mg/kg	25-FEB-97	L8849-78
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.05	0.3	1	U	mg/kg	26-FEB-97	L8849-79

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIABSD02(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.31

Constituent	Method	Batch	Value	MDL	SD	HL	QAC	Unit	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	25000	30	100	1	*	mg/kg	25-FEB-97	L8849-74
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.04	0.3	1	U	mg/kg	26-FEB-97	L8849-75

LAS Laboratories, Inc.

I CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA6SD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 57.12

Element	Method	Batch	Value	UCL	LLC	DL	Qual	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	20800	30	100	1	*	ng/kg	25-FEB-97	L8849-62
CHROMIUM, HEXAVALENT	7196	45831	<0.4	0.05	0.4	1	U	ng/kg	26-FEB-97	L8849-63

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA6SD02(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 71.38

Constituent	Method	Date	Value	MDL	DD	DL	Qual	Units	Analyzed	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	25600	30	100	1	*	mg/kg	25-FEB-97	L8849-66
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.04	0.3	1	U	mg/kg	26-FEB-97	L8849-67

LAS Laboratories, Inc.

TEST CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA6SD62(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 67.93

Method	Method	Unit	Value	Unit	SD	DF	Qual	Units	Analysis	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	29300	30	100	1	*	mg/kg	25-FEB-97	L8849-70
CHROMIUM, HEXAVALENT	7196	45831	<0.3	0.04	0.3	1	U	mg/kg	26-FEB-97	L8849-71

LAS Laboratories, Inc.

WET CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIA4SD01(01)

Date Collected: 16-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 82.87

Constituent	Method	Batch	Value	MDL	RL	DL	QAC	Units	Analysed	Lab. ID
TOTAL ORGANIC CARBON	415.2	45829	1440	30	100	1	*	mg/kg	25-FEB-97	L8849-55
CHROMIUM, HEXAVALENT	7196	45831	<0.2	0.04	0.2	1	U	mg/kg	26-FEB-97	L8849-55

LAS Laboratories, Inc.

T CHEM DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA4SD02(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 81.34

Constituent	Method	Batch	Value	MDL	RFL	Dil	Qdet	Units	Analysed	Lab ID
TOTAL ORGANIC CARBON	415.2	45829	1570	30	100	1	*	mg/kg	25-FEB-97	L8849-58
CHROMIUM, HEXAVALENT	7196	45831	<0.2	0.04	0.2	1	U	mg/kg	26-FEB-97	L8849-59



QUALITY CONTROL



LAS Laboratories, Inc.

MATRIX SPIKE DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	Client ID	LAL ID	Sample ID	ME Result	MPD Result	Known Value	Units	Rec	Lab	QC
Chromium, hexavalent	45830	24-FEB-97	97BPXLIB3SD01(01)	L8849-4	45830MS	0.547	<0.3	0.679	mg/kg	81		75-125
Chromium, hexavalent	45831	26-FEB-97	97BPXLIA4SD01(01)	L8849-55	45831MS	0.556	<0.2	0.603	mg/kg	86		75-125

RPT NAME: genlongc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: Y UNITS: mg

LAS Laboratories, Inc.

LCS DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	LCS ID	LCS Result	Known Value	Units	% Rec	Pass/Fail	DL
Total Carbon	45828	24-FEB-97	45828LCS1	73000	71400	mg/kg	102		80-120
Total Inorganic Carbon	45828	25-FEB-97	45828LCS2	70400	71400	mg/kg	99		80-120
Total Carbon	45829	24-FEB-97	45829LCS1	73000	71400	mg/kg	102		80-120
Total Inorganic Carbon	45829	25-FEB-97	45829LCS2	70400	71400	mg/kg	99		80-120
Chromium, hexavalent	45830	24-FEB-97	45830LCS	0.0490	0.0500	mg/L	98		80-120
Chromium, hexavalent	45831	26-FEB-97	45831LCS	0.0490	0.0500	mg/L	98		80-120

RPT NAME: ganiqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: Y UNITS: mg

LAS Laboratories, Inc.

METHOD BLANK DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	DAL ID	ME Result	HDL	RDL	Units	Data Qual
Total Carbon	45828	24-FEB-97	45828MB1	<100	30	100	mg/kg	U
Total Inorganic Carbon	45828	25-FEB-97	45828MB2	<100	30	100	mg/kg	U
Total Carbon	45829	24-FEB-97	45829MB1	<100	30	100	mg/kg	U
Total Inorganic Carbon	45829	25-FEB-97	45829MB2	<100	30	100	mg/kg	U
Chromium, hexavalent	45830	24-FEB-97	45830MB	<0.2	0.03	0.2	mg/L	U
Chromium, hexavalent	45831	26-FEB-97	45831MB	<0.2	0.03	0.2	mg/L	U

RPT NAME: genionqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: Y UNITS: mg

LAS Laboratories, Inc.

DUPLICATE DATA SUMMARY

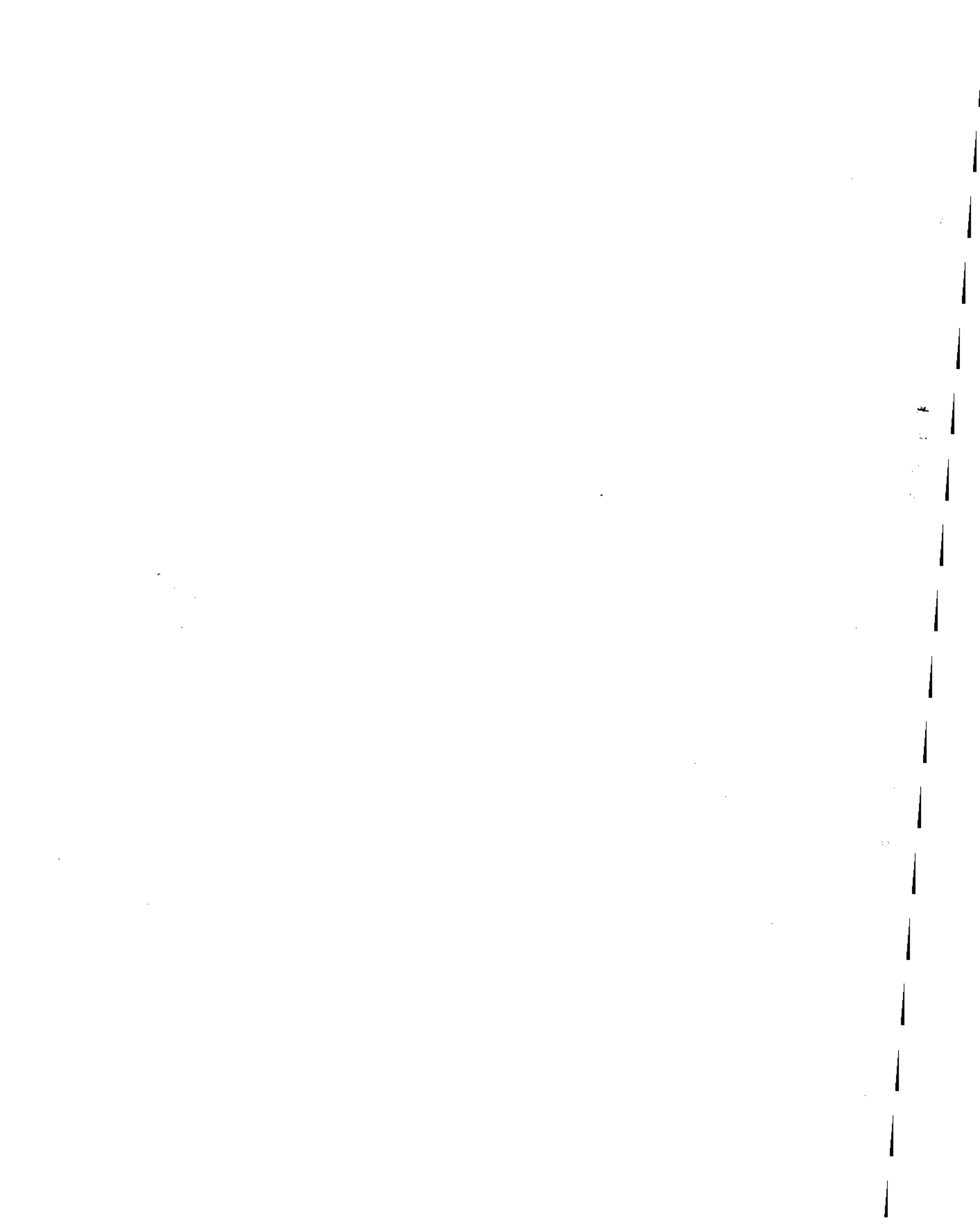
Login/SDG Number: L8849

ANALYTE	BATCH NO	DATE ANALYZED	CLIENT ID	LAB ID	SAMPLE ID	RFP RESULT	DUP RESULT	UNITS	RPD	DATA QUAL	RPD LIMIT
Total Organic Carbon	45828	25-FEB-97	97BPXLIB6SD01(01)	L8849-11	45828DUP	36200	40800	mg/kg	11.8		20
Total Organic Carbon	45829	25-FEB-97	97BPXLIB6SD01(01)	L8849-11	45829DUP	36200	29700	mg/kg	29.0	*	20
Chromium, hexavalent	45830	24-FEB-97	97BPXLIB3SD01(01)	L8849-4	45830DUP	<0.2	<0.2	mg/kg		b	20
Chromium, hexavalent	45831	26-FEB-97	97BPXLIB4SD01(01)	L8849-55	45831DUP	<0.2	<0.2	mg/kg		b	20

RPT NAME: genionqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: Y UNITS: mg

- * - Relative Percent Difference (RPD) for duplicate analysis exceeded acceptance limits.
- b - The RPD cannot be computed because the sample and/or duplicate concentration was below the RDL.

METALS RESULTS



LAS Laboratories, Inc.

ALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB3SD01(01)
Date Collected: 14-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.67

Element	Method	Batch	Value	U1	U2	U3	Unit	Units	Analysed	Lab ID
BARIUM SULFATE	6020	46096	19.7	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-108
ARSENIC_75	6020	45832	2.91	0.5	3.	1		mg/kg	25-FEB-97	L8849-4
ARIUM_135	6020	45832	37.1	0.3	10	1		mg/kg	25-FEB-97	L8849-4
ADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-4
AROMIUM_52	6020	45832	12.2	0.3	3.	1		mg/kg	25-FEB-97	L8849-4
LEAD_208	6020	45832	4.82	0.3	0.8	1		mg/kg	27-FEB-97	L8849-4
MERCURY	7471	45834	1.35	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-4

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB3SD02(08)
Date Collected: 14-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 81.17

Constituent	Method	Batch	Value	MOE	Std	DL	Qual	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	15.0	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-109
ARSENIC_75	6020	45832	2.94	0.5	3.	1		mg/kg	25-FEB-97	L8849-8
BARIUM_135	6020	45832	62.3	0.3	10	1		mg/kg	25-FEB-97	L8849-8
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-8
CHROMIUM_52	6020	45832	10.3	0.3	3.	1		mg/kg	25-FEB-97	L8849-8
LEAD_208	6020	45832	4.00	0.3	0.8	1		mg/kg	27-FEB-97	L8849-8
MERCURY	7471	45834	<0.1	0.1	0.1	1	NU*	mg/kg	25-FEB-97	L8849-8

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB6SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 67.8

Element	Method	Ref	Value	DD	MD	DL	Unit	Trace	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	31.5	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-110
ARSENIC_75	6020	45832	7.15	0.5	3.	1		mg/kg	25-FEB-97	L8849-12
BARIUM_135	6020	45832	60.0	0.3	10	1		mg/kg	25-FEB-97	L8849-12
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-12
CHROMIUM_52	6020	45832	20.3	0.3	3.	1		mg/kg	25-FEB-97	L8849-12
LEAD_208	6020	45832	67.8	0.3	0.8	1		mg/kg	27-FEB-97	L8849-12
MERCURY	7471	45834	0.399	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-12

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB6SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 77.97

Constituent	Method	Batch	Value	MLL	MDL	DL	Qual	Units	Analyst	Lab ID
BARIUM SULFATE	6020	46096	19.5	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-111
ARSENIC_75	6020	45832	3.56	0.5	3.	1		mg/kg	25-FEB-97	L8849-16
BARIUM_135	6020	45832	49.3	0.3	10	1		mg/kg	25-FEB-97	L8849-16
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-16
CHROMIUM_52	6020	45832	15.0	0.3	3.	1		mg/kg	25-FEB-97	L8849-16
LEAD_208	6020	45832	5.72	0.3	0.8	1		mg/kg	27-FEB-97	L8849-16
MERCURY	7471	45834	0.161	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-16

LAS Laboratories, Inc.

FALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
 Project Name: LIBERTY ISLAND
 Project Desc:

Client Sample ID: 97BPXLIB10SD01(01)
 Date Collected: 15-FEB-97
 Matrix: Soil

Login Number: L8849
 Date Received: 19-FEB-97
 Percent Solids: 79.94

Element Name	Method	Lab ID	Value	MDL	MDL	DL	Class	Units	Analysed	Lab ID
BARIUM SULFATE	6020	46096	17.9	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-112
ARSENIC_75	6020	45832	4.44	0.5	2.	1		mg/kg	25-FEB-97	L8849-20
BARIUM_135	6020	45832	39.2	0.2	10	1		mg/kg	25-FEB-97	L8849-20
CADMIUM_111	6020	45832	<1.	0.2	1.	1	U	mg/kg	25-FEB-97	L8849-20
CHROMIUM_52	6020	45832	10.7	0.2	2.	1		mg/kg	25-FEB-97	L8849-20
LEAD_208	6020	45832	4.61	0.3	0.7	1		mg/kg	27-FEB-97	L8849-20
MERCURY	7471	45834	0.277	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-20

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIB10SD02(08)

Date Collected: 15-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 72.81

Element	Method	Lab No	Value	PK	Std	Q	Unit	Method	Date	Lab No	
BARIUM SULFATE		6020	46096	22.1	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-113
ARSENIC_75		6020	45832	5.59	0.5	3.	1		mg/kg	25-FEB-97	L8849-24
BARIUM_135		6020	45832	59.8	0.3	10	1		mg/kg	25-FEB-97	L8849-24
CADMIUM_111		6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-24
CHROMIUM_52		6020	45832	16.1	0.3	3.	1		mg/kg	25-FEB-97	L8849-24
LEAD_206		6020	45832	6.78	0.3	0.8	1		mg/kg	27-FEB-97	L8849-24
MERCURY		7471	45834	0.219	0.1	0.1	1	N*	ug/kg	25-FEB-97	L8849-24

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB10SD62(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.51

Element	Method	Batch	Value	SD	ED	DL	Unit	Unit	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	23.6	0.04	0.5	1	CH	mg/kg	07-MAR-97	L8849-114
ARSENIC_75	6020	45832	8.84	0.5	3.	1		mg/kg	25-FEB-97	L8849-28
ARIUM_135	6020	45832	99.6	0.3	10	1		mg/kg	25-FEB-97	L8849-28
ADMUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-28
HRONIUM_52	6020	45832	29.4	0.3	3.	1		mg/kg	25-FEB-97	L8849-28
LEAD_208	6020	45832	14.4	0.3	0.8	1		mg/kg	27-FEB-97	L8849-28
MERCURY	7471	45834	0.277	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-28

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIII1SD01(01)

Date Collected: 15-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 76.81

Element	Method	Batch	Value	MDL	RDL	DIL	Qual	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	31.2	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-115
ARSENIC_75	6020	45832	<3.	0.5	3.	1	U	mg/kg	25-FEB-97	L8849-32
BARIUM_135	6020	45832	56.5	0.3	10	1		mg/kg	25-FEB-97	L8849-32
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-32
CHROMIUM_52	6020	45832	9.38	0.3	3.	1		mg/kg	25-FEB-97	L8849-32
LEAD_208	6020	45832	3.08	0.3	0.8	1		mg/kg	27-FEB-97	L8849-32
MERCURY	7471	45834	0.125	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-32

LAS Laboratories, Inc.

RESULTS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
 Project Name: LIBERTY ISLAND
 Project Desc:

Client Sample ID: 97BPXLIII1SD02(08)
 Date Collected: 15-FEB-97
 Matrix: Soil

Login Number: L8849
 Date Received: 19-FEB-97
 Percent Solids: 78.66

Element	Lab No	Batch No	Value	SDG	REL	DL	Unit	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	20.7	0.04	0.4	1	CN	mg/kg	07-MAR-97	L8849-116
ARSENIC_75	6020	45832	7.11	0.5	3.	1		mg/kg	25-FEB-97	L8849-36
BARIUM_135	6020	45832	82.9	0.3	10	1		mg/kg	25-FEB-97	L8849-36
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-36
CHROMIUM_52	6020	45832	21.6	0.3	3.	1		mg/kg	25-FEB-97	L8849-36
LEAD_208	6020	45832	11.1	0.3	0.8	1		mg/kg	27-FEB-97	L8849-36
MERCURY	7471	45834	0.171	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-36

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC2SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 73.28

Element	Method	Batch	Value	MDL	RD	Units	Stat	Units	Analysis	Lab ID
BARIUM SULFATE	6020	46096	26.2	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-117
ARSENIC_75	6020	45832	4.91	0.6	3.	1		mg/kg	25-FEB-97	L8849-40
BARIUM_135	6020	45832	75.7	0.3	10	1		mg/kg	25-FEB-97	L8849-40
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-40
CHROMIUM_52	6020	45832	21.6	0.3	3.	1		mg/kg	25-FEB-97	L8849-40
LEAD_208	6020	45832	11.1	0.3	0.8	1		mg/kg	27-FEB-97	L8849-40
MERCURY	7471	45834	0.190	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-40

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC2SD02 (08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 80.26

Element	Method	Value	MDL	PC	DL	Qual	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	27.3	0.04	0.4	1	CN	mg/kg	07-MAR-97 L8849-118
ARSENIC_75	6020	45832	6.69	0.5	2.	1		mg/kg	25-FEB-97 L8849-44
BARIUM_135	6020	45832	194.	0.2	10	1		mg/kg	25-FEB-97 L8849-44
CADMIUM_111	6020	45832	<1.	0.2	1.	1	U	mg/kg	25-FEB-97 L8849-44
CHROMIUM_52	6020	45832	32.3	0.2	2.	1		mg/kg	25-FEB-97 L8849-44
LEAD_208	6020	45832	15.8	0.3	0.8	1		mg/kg	27-FEB-97 L8849-44
MERCURY	7471	45834	0.151	0.1	0.1	1	N*	mg/kg	25-FEB-97 L8849-44

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC2SD61(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 80.77

Element	Method	Batch	Value	DD	PD	DL	Qm	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46096	28.4	0.04	0.4	1	CN	mg/kg	07-MAR-97	L8849-119
ARSENIC_75	6020	45832	8.00	0.5	2.	1		mg/kg	25-FEB-97	L8849-48
BARIUM_135	6020	45832	198.	0.2	10	1		mg/kg	25-FEB-97	L8849-48
CADMIUM_111	6020	45832	<1.	0.2	1.	1	U	mg/kg	25-FEB-97	L8849-48
CHROMIUM_52	6020	45832	34.0	0.2	2.	1		mg/kg	25-FEB-97	L8849-48
LEAD_208	6020	45832	16.0	0.3	0.7	1		mg/kg	27-FEB-97	L8849-48
MERCURY	7471	45834	0.173	0.1	0.1	1	N*	mg/kg	25-FEB-97	L8849-48

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC4SD02(08)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 76.15

Element	Method	Value	Unit	MDL	DF	Q	Case	Units	Received	Lab ID
BARIUM SULFATE	6020	46096	14.3	0.04	0.5	1	CN	mg/kg	07-MAR-97	L8849-120
ARSENIC_75	6020	45832	4.35	0.5	3.	1		mg/kg	25-FEB-97	L8849-52
BARIUM_135	6020	45832	48.7	0.3	10	1		mg/kg	25-FEB-97	L8849-52
CADMIUM_111	6020	45832	<1.	0.3	1.	1	U	mg/kg	25-FEB-97	L8849-52
CHROMIUM_52	6020	45832	11.1	0.3	3.	1		mg/kg	25-FEB-97	L8849-52
LEAD_208	6020	45832	3.98	0.3	0.8	1		mg/kg	27-FEB-97	L8849-52
MERCURY	7471	45834	<0.1	0.1	0.1	1	NU*	mg/kg	25-FEB-97	L8849-52

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
 Project Name: LIBERTY ISLAND
 Project Desc:

Client Sample ID: 97BPXLIA4SD01(01)
 Date Collected: 15-FEB-97
 Matrix: Soil

Login Number: L8849
 Date Received: 19-FEB-97
 Percent Solids: 82.87

Element	Method	Lab #	Value	MDL	PSL	DL	Qual	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46097	16.9	0.04	0.5	1		mg/kg	07-MAR-97	L8849-121
ARSENIC_75	6020	45833	3.32	0.4	2.	1		mg/kg	25-FEB-97	L8849-55
BARIUM_135	6020	45833	38.2	0.2	10	1		mg/kg	25-FEB-97	L8849-55
CADMIUM_111	6020	45833	<1.	0.2	1.	1	NU	mg/kg	25-FEB-97	L8849-55
CHROMIUM_52	6020	45833	11.5	0.2	2.	1		mg/kg	25-FEB-97	L8849-55
LEAD_208	6020	45833	4.01	0.2	0.7	1		mg/kg	27-FEB-97	L8849-55
MERCURY	7471	45835	0.238	0.1	0.1	1	*	mg/kg	25-FEB-97	L8849-55

LAS Laboratories, Inc.

WTALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA4SD02(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 81.34

Element	Method	Lab No.	Value	MDL	DDI	DLI	Cost	Units	Analysis	Lab No.
BARIUM SULFATE		6020	46097	16.0	0.04	0.4	1		mg/kg	07-MAR-97 L8849-122
ARSENIC_75		6020	45833	2.87	0.5	2.	1		mg/kg	25-FEB-97 L8849-59
BARIUM_135		6020	45833	29.0	0.2	10	1		mg/kg	25-FEB-97 L8849-59
CADMIUM_111		6020	45833	<1.	0.2	1.	1	NU	mg/kg	25-FEB-97 L8849-59
CHROMIUM_52		6020	45833	7.15	0.2	2.	1		mg/kg	25-FEB-97 L8849-59
LEAD_208		6020	45833	2.79	0.2	0.7	1		mg/kg	27-FEB-97 L8849-59
MERCURY		7471	45835	<0.1	0.1	0.1	1	U*	mg/kg	25-FEB-97 L8849-59

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIAGSD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 57.12

Element	Method	Lab ID	Value	MDL	DD	DL	Qual	Units	Analysis	Lab ID
BARIUM SULFATE	6020	46097	33.4	0.04	0.5	1		mg/kg	07-MAR-97	L8849-123
ARSENIC_75	6020	45833	4.62	0.7	3.	1		mg/kg	25-FEB-97	L8849-63
BARIUM_135	6020	45833	82.3	0.3	20	1		mg/kg	25-FEB-97	L8849-63
CADMIUM_111	6020	45833	<2.	0.3	2.	1	NU	mg/kg	25-FEB-97	L8849-63
CHROMIUM_52	6020	45833	19.1	0.3	3.	1		mg/kg	25-FEB-97	L8849-63
LEAD_208	6020	45833	6.50	0.3	1.	1		mg/kg	27-FEB-97	L8849-63
MERCURY	7471	45835	<0.2	0.2	0.2	1	U*	mg/kg	25-FEB-97	L8849-63

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA6SD02(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 71.38

Element	Method	Result	Value	MDL	MDL	DL	Q+	Q+	Q+	Analyzed	Lab ID
BARIUM SULFATE	6020	46097	31.7	0.04	0.4	1				07-MAR-97	L8849-124
ARSENIC_75	6020	45833	4.71	0.6	3.	1				25-FEB-97	L8849-67
BARIUM_135	6020	45833	83.2	0.3	10	1				25-FEB-97	L8849-67
CADMIUM_111	6020	45833	<1.	0.3	1.	1	NO			25-FEB-97	L8849-67
CHROMIUM_52	6020	45833	17.7	0.3	3.	1				25-FEB-97	L8849-67
LEAD_208	6020	45833	6.55	0.3	0.9	1				27-FEB-97	L8849-67
MERCURY	7471	45835	<0.1	0.1	0.1	1	U*			25-FEB-97	L8849-67

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA6SD62(08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 67.93

Element	Method	Date	Value	UCL	FDL	DL	Unit	Trace	Analyzed	Lab ID
BARIUM SULFATE	6020	46097	40.9	0.04	0.4	1		mg/kg	07-MAR-97	L8849-125
ARSENIC_75	6020	45833	5.33	0.6	3.	1		mg/kg	25-FEB-97	L8849-71
BARIUM_135	6020	45833	61.8	0.3	10	1		mg/kg	25-FEB-97	L8849-71
CADMIUM_111	6020	45833	<1.	0.3	1.	1	NU	mg/kg	25-FEB-97	L8849-71
CHROMIUM_52	6020	45833	16.9	0.3	3.	1		mg/kg	25-FEB-97	L8849-71
LEAD_208	6020	45833	6.00	0.3	0.9	1		mg/kg	27-FEB-97	L8849-71
MERCURY	7471	45835	0.190	0.1	0.1	1	*	mg/kg	25-FEB-97	L8849-71

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
 Project Name: LIBERTY ISLAND
 Project Desc:

Client Sample ID: 97BPXLIASD02(08)
 Date Collected: 16-FEB-97
 Matrix: Soil

Login Number: L8849
 Date Received: 19-FEB-97
 Percent Solids: 73.31

ANALYTE	METHOD	LAB ID	VALUE	UNITS	CONC	REMARKS	DATE	LAB ID
BARITUM SULFATE	6020	46097	32.0	0.04	0.4	1		07-MAR-97 L8849-126
ARSENIC_75	6020	45833	4.89	0.6	3.	1		25-FEB-97 L8849-75
BARITUM_I35	6020	45833	67.7	0.3	10	1		25-FEB-97 L8849-75
CADMIUM_111	6020	45833	<1.	0.3	1.	1	NU	25-FEB-97 L8849-75
CHROMIUM_52	6020	45833	20.8	0.3	3.	1		25-FEB-97 L8849-75
LEAD_208	6020	45833	6.77	0.3	0.8	1		27-FEB-97 L8849-75
MERCURY	7471	45835	0.149	0.1	0.1	1	*	25-FEB-97 L8849-75

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIASD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 61.62

Element	Method	Filter	Value	MDL	DD	Dil	Qual	Units	Analysis	Lab ID
BARIUM SULFATE	6020	46097	34.9	0.04	0.5	1		mg/kg	07-MAR-97	L8849-127
ARSENIC_75	6020	45833	9.56	0.7	3.	1		mg/kg	25-FEB-97	L8849-79
BARIUM_135	6020	45833	66.3	0.3	20	1		mg/kg	25-FEB-97	L8849-79
CADMIUM_111	6020	45833	<2.	0.3	2.	1	UN	mg/kg	25-FEB-97	L8849-79
CHROMIUM_52	6020	45833	24.3	0.3	3.	1		mg/kg	25-FEB-97	L8849-79
LEAD_208	6020	45833	10.7	0.3	1.	1		mg/kg	27-FEB-97	L8849-79
MERCURY	7471	45835	0.355	0.2	0.2	1	*	mg/kg	25-FEB-97	L8849-79

LAS Laboratories, Inc.

FALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIA10SD01(01)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 64.75

Element	Method	Batch #	Value	MX	RD	DL	QA	Units	Applied	Lab #
BARIUM SULFATE	6020	46097	31.3	0.04	0.5	1		mg/kg	07-MAR-97	L8849-128
ARSENIC_75	6020	45833	9.10	0.6	3.	1		mg/kg	25-FEB-97	L8849-83
BARIUM_135	6020	45833	59.4	0.3	20	1		mg/kg	25-FEB-97	L8849-83
CADMIUM_111	6020	45833	<2.	0.3	2.	1	UN	mg/kg	25-FEB-97	L8849-83
CHROMIUM_52	6020	45833	20.0	0.3	3.	1		mg/kg	25-FEB-97	L8849-83
LEAD_208	6020	45833	8.22	0.3	0.9	1		mg/kg	27-FEB-97	L8849-83
MERCURY	7471	45835	<0.2	0.2	0.2	1	U*	mg/kg	25-FEB-97	L8849-83

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK

Project Name: LIBERTY ISLAND

Project Desc:

Client Sample ID: 97BPXLIA10SD02(08)

Date Collected: 16-FEB-97

Matrix: Soil

Login Number: L8849

Date Received: 19-FEB-97

Percent Solids: 55.4

Element	Sample ID	Lab ID	Value	Unit	Method	Trace	Units	Date	Lab ID
BARIUM SULFATE	6020	46097	33.7	0.04	0.5	1	mg/kg	07-MAR-97	L8849-129
ARSENIC_75	6020	45833	11.4	0.7	4.	1	mg/kg	25-FEB-97	L8849-87
BARIUM_135	6020	45833	79.2	0.4	20	1	mg/kg	25-FEB-97	L8849-87
CADMIUM_111	6020	45833	<2.	0.4	2.	1	UN	25-FEB-97	L8849-87
CHROMIUM_52	6020	45833	27.0	0.4	4.	1	mg/kg	25-FEB-97	L8849-87
LEAD_208	6020	45833	11.8	0.4	1.	1	mg/kg	27-FEB-97	L8849-87
MERCURY	7471	45835	<0.2	0.2	0.2	1	U*	25-FEB-97	L8849-87

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIB8SD02 (08)
Date Collected: 16-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 71.24

Element	Method	Batch	Value	UCL	RD	Di	Unit	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46097	21.0	0.04	0.5	1		mg/kg	07-MAR-97	L8849-130
ARSENIC_75	6020	45833	4.26	0.6	3.	1		mg/kg	25-FEB-97	L8849-97
BARIUM_135	6020	45833	48.2	0.3	10	1		mg/kg	25-FEB-97	L8849-97
CADMIUM_111	6020	45833	<1.	0.3	1.	1	UN	mg/kg	25-FEB-97	L8849-97
CHROMIUM_52	6020	45833	18.0	0.3	3.	1		mg/kg	25-FEB-97	L8849-97
LEAD_208	6020	45833	6.94	0.3	0.9	1		mg/kg	27-FEB-97	L8849-97
MERCURY	7471	45835	0.160	0.1	0.1	1	*	mg/kg	25-FEB-97	L8849-97

LAS Laboratories, Inc.

METALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
 Project Name: LIBERTY ISLAND
 Project Desc:

Client Sample ID: 97BPXLIB8SD01(01)
 Date Collected: 15-FEB-97
 Matrix: Soil

Login Number: L8849
 Date Received: 19-FEB-97
 Percent Solids: 71.56

Element	Method	Lab No	Value	MDL	MDL	MDL	Unit	Date Recd	Lab No
BARIUM SULFATE	6020	46097	30.1	0.04	0.5	1	mg/kg	07-MAR-97	L8849-131
ARSENIC_75	6020	45833	3.89	0.6	3.	1	mg/kg	25-FEB-97	L8849-101
BARIUM_135	6020	45833	81.0	0.3	10	1	mg/kg	25-FEB-97	L8849-101
CADMIUM_111	6020	45833	<1.	0.3	1.	1	UN	25-FEB-97	L8849-101
CHROMIUM_52	6020	45833	21.2	0.3	3.	1	mg/kg	25-FEB-97	L8849-101
LEAD_208	6020	45833	7.39	0.3	0.8	1	mg/kg	27-FEB-97	L8849-101
MERCURY	7471	45835	0.183	0.1	0.1	1	*	25-FEB-97	L8849-101

LAS Laboratories, Inc.

TALS DATA REPORT

Account Name: Montgomery Watson * Anchorage, AK
Project Name: LIBERTY ISLAND
Project Desc:

Client Sample ID: 97BPXLIC4SD01(01)
Date Collected: 15-FEB-97
Matrix: Soil

Login Number: L8849
Date Received: 19-FEB-97
Percent Solids: 80.59

Element	Method	Batch	Value	MDL	REL	DL	Qual	Units	Analyzed	Lab ID
BARIUM SULFATE	6020	46097	33.9	0.04	0.4	1		mg/kg	07-MAR-97	L8849-132
ARSENIC_75	6020	45833	4.02	0.5	2.	1		mg/kg	25-FEB-97	L8849-105
BARIUM_135	6020	45833	61.9	0.2	10	1		mg/kg	25-FEB-97	L8849-105
CADMIUM_111	6020	45833	<1.	0.2	1.	1	NU	mg/kg	25-FEB-97	L8849-105
CHROMIUM_52	6020	45833	16.0	0.2	2.	1		mg/kg	25-FEB-97	L8849-105
LEAD_208	6020	45833	6.37	0.2	0.7	1		mg/kg	27-FEB-97	L8849-105
MERCURY	7471	45835	0.130	0.1	0.1	1	*	mg/kg	25-FEB-97	L8849-105

LAS Laboratories, Inc.

METHOD BLANK DATA SUMMARY

Login/SDG Number: L8849

ANALYTE	BATCH ID	Date Analyzed	LIN ID	MB Result	MD	SDG	Units	DETAILED
Arsenic 75	45832	25-FEB-97	45832MB	<2.	0.4	2.	mg/kg	U
Barium 135	45832	25-FEB-97	45832MB	<10	0.2	10	mg/kg	U
Cadmium 111	45832	25-FEB-97	45832MB	<1.	0.2	1.	mg/kg	U
Chromium 52	45832	25-FEB-97	45832MB	<2.	0.2	2.	mg/kg	U
Lead 208	45832	27-FEB-97	45832MB	<0.6	0.2	0.6	mg/kg	U
Arsenic 75	45833	25-FEB-97	45833MB	<2.	0.4	2.	mg/kg	U
Barium 135	45833	25-FEB-97	45833MB	<10	0.2	10	mg/kg	U
Cadmium 111	45833	25-FEB-97	45833MB	<1.	0.2	1.	mg/kg	U
Chromium 52	45833	25-FEB-97	45833MB	<2.	0.2	2.	mg/kg	U
Lead 208	45833	25-FEB-97	45833MB	<0.6	0.2	0.6	mg/kg	U
Mercury	45834	25-FEB-97	45834MB	<0.1	0.1	0.1	mg/kg	U
Mercury	45835	25-FEB-97	45835MB	<0.1	0.1	0.1	mg/kg	U
Barium Sulfate	46096	07-MAR-97	46096MB	7.39	0.04	0.5	mg/kg	
Barium Sulfate	46097	07-MAR-97	46097MB	<0.5	0.04	0.5	mg/kg	U

RPT NAME: genmetqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: N UNITS: mg

LAS Laboratories, Inc.

DUPLICATE DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	Client ID	Lab ID	Sample ID	RPD Result	RPD Result	Units	RPD	Date Data	RPD Limit
Arsenic 75	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832DUP	<3.	5.67	mg/kg		b	20
Barium 135	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832DUP	37.1	34.1	mg/kg	8.4		20
Cadmium 111	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832DUP	<1.	<1.	mg/kg		b	20
Chromium 52	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832DUP	12.2	13.4	mg/kg	9.0		20
Lead 208	45832	27-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832DUP	4.82	5.06	mg/kg	4.8		20
Arsenic 75	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833DUP	3.32	3.21	mg/kg	3.3		20
Barium 135	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833DUP	38.2	35.5	mg/kg	7.4		20
Cadmium 111	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833DUP	<1.	<1.	mg/kg		b	20
Chromium 52	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833DUP	11.5	10.8	mg/kg	6.9		20
Lead 208	45833	27-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833DUP	4.01	3.87	mg/kg	3.5		20
Mercury	45834	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45834DUP	1.35	0.547	mg/kg	84.6	*	20
Mercury	45835	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45835DUP	0.238	0.100	mg/kg	81.5	*	20
Barium Sulfate	46096	07-MAR-97	97BPXLIB3SD01(01)	L8849-108	46096DUP	19.7	17.6	mg/kg	9.7		20
Barium Sulfate	46097	07-MAR-97	97BPXLIA4SD01(01)	L8849-121	46097DUP	16.9	14.8	mg/kg	14.1		20

RPT NAME: genmetqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: N UNITS: mg

- * - Relative Percent Difference (RPD) for duplicate analysis exceeded acceptance limits.
- b - The RPD cannot be computed because the sample and/or duplicate concentration was below the RDL.

LAS Laboratories, Inc.

MATRIX SPIKE DATA SUMMARY

Login/SDG Number: L8849

ANALYTE	BATCH ID	Date Analyzed	Client ID	LAI ID	Sample ID	MS Result	EMP REGUL.	Known Value	Units	#	DATE	SC Number
Arsenic 75	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832MS	24.6	<3.	24.4	mg/kg	89		75-125
Barium 135	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832MS	164.	37.1	122.	mg/kg	104		75-125
Cadmium 111	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832MS	10.6	<1.	12.2	mg/kg	85		75-125
Chromium 52	45832	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832MS	62.4	12.2	48.8	mg/kg	103		75-125
Lead 208	45832	27-FEB-97	97BPXLIB3SD01(01)	L8849-4	45832MS	31.2	4.82	27.1	mg/kg	108		75-125
Arsenic 75	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833MS	22.3	2.32	22.7	mg/kg	84		75-125
Barium 135	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833MS	157.	38.2	113.	mg/kg	105		75-125
Cadmium 111	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833MS	20.3	<1.	11.3	mg/kg	179	N	75-125
Chromium 52	45833	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833MS	62.5	11.5	45.4	mg/kg	112		75-125
Lead 208	45833	27-FEB-97	97BPXLIA4SD01(01)	L8849-55	45833MS	26.4	4.01	22.7	mg/kg	99		75-125
Mercury	45834	25-FEB-97	97BPXLIB3SD01(01)	L8849-4	45834MS	1.05	1.35	0.679	mg/kg	-44	N	75-125
Mercury	45835	25-FEB-97	97BPXLIA4SD01(01)	L8849-55	45835MS	0.727	0.238	0.575	mg/kg	85		75-125
Barium Sulfate	46096	07-MAR-97	97BPXLIB3SD01(01)	L8849-108	46096MS	4730	19.7	18000	mg/kg	26	N	75-125
Barium Sulfate	46097	07-MAR-97	97BPXLIA4SD01(01)	L8849-121	46097MS	8980	16.9	12000	mg/kg	75		75-125

RPT NAME: genmetqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: N UNITS: mg

N - Matrix Spike/Matrix Spike Duplicate recovery exceeded acceptance limits.

LAS Laboratories, Inc.

LCS DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	Lab ID	LCS Result	Recon Value	Units	Req.	Para. Qual.	OC Limits
Arsenic 75	45832	25-FEB-97	45832LCSS	349.	349.	mg/kg	100		49-149
Barium 135	45832	25-FEB-97	45832LCSS	99.1	111.	mg/kg	89		17-184.7
Cadmium 111	45832	25-FEB-97	45832LCSS	49.6	46.9	mg/kg	106		52-144
Chromium 52	45832	25-FEB-97	45832LCSS	130.	115.	mg/kg	113		54-141.7
Lead 208	45832	27-FEB-97	45832LCSS	51.3	52.4	mg/kg	98		-
Arsenic 75	45832	25-FEB-97	45832LCSW	0.0835	0.100	mg/l	84		80-120
Barium 135	45832	25-FEB-97	45832LCSW	0.494	0.500	mg/l	99		80-120
Cadmium 111	45832	25-FEB-97	45832LCSW	0.0432	0.0500	mg/l	86		80-120
Chromium 52	45832	25-FEB-97	45832LCSW	0.214	0.200	mg/l	107		80-120
Lead 208	45832	27-FEB-97	45832LCSW	92.5	0.100	mg/L	93		80-120
Arsenic 75	45833	25-FEB-97	45833LCSS	339.	349.	mg/kg	97		49-149
Barium 135	45833	25-FEB-97	45833LCSS	97.2	111.	mg/kg	88		17-184.7
Cadmium 111	45833	25-FEB-97	45833LCSS	48.7	46.9	mg/kg	104		52-144
Chromium 52	45833	25-FEB-97	45833LCSS	139.	115.	mg/kg	121		54-141.7
Lead 208	45833	27-FEB-97	45833LCSS	50.5	52.4	mg/kg	96		-
Arsenic 75	45833	25-FEB-97	45833LCSW	0.0814	0.100	mg/l	81		80-120
Barium 135	45833	25-FEB-97	45833LCSW	0.465	0.500	mg/l	93		80-120
Cadmium 111	45833	25-FEB-97	45833LCSW	0.0904	0.0500	mg/l	181	*	80-120
Chromium 52	45833	25-FEB-97	45833LCSW	0.217	0.200	mg/l	108		80-120
Lead 208	45833	27-FEB-97	45833LCSW	0.0930	0.100	mg/l	93		80-120
Mercury	45834	25-FEB-97	45834LCSS	13.6	13.1	mg/kg	104		48-156

LAS Laboratories, Inc.

LCS DATA SUMMARY

Login/SDG Number: L8849

Analyte	Batch ID	Date Analyzed	LAL ID	LCH Result	Known Value	Units	Rec	DATA	CC
Mercury	45834	25-FEB-97	45834LCSW	0.00115	0.00100	mg/l	115		80-120
Mercury	45835	25-FEB-97	45835LCSS	13.8	13.1	mg/kg	105		48-156
Mercury	45835	25-FEB-97	45835LCSW	0.00114	0.00100	mg/l	114		80-120
Barium Sulfate	46096	07-MAR-97	46096LCSS	7170	10100	mg/kg	71		-
Barium Sulfate	46097	07-MAR-97	46097LCSS	14200	16000	mg/kg	89		-

RPT NAME: genmetqc2 TYPE (S=SDG, L=Login): L LIST: ANALYTICAL TRACE: N SOLIDS ADJUSTED: N UNITS: mg