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02.08-03/01/97-02291

Contractor's Closeout Report for Sites 6 and 82 Source Removal Operable Unit No. 2 MCB Camp Lejeune Jacksonville, North Carolina

Volume V of IX

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-93-D-3032
Delivery Order 0032

Prepared by

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

5335 Triangle Parkway, Suite 450
Norcross, GA 30092

March 1997

OHM Project No. 15226

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02.08-03/01/97-02291

SECTION 3

BATTERY PILE DISPOSAL (DB)

PIPE DISPOSAL (DP)

Camp Lejeune 15226

QA/QC SUMMARY REPORT

SAMPLE NUMBER	SAMPLE DATE	SAMPLE LOCATION	COC NUMBER	LAB ID	LAB SAMPLE ID	DQO LEVEL	PACKAGE ID	AIRBILL NUMBER
CLJ-DB-01	2/25/94	BATTERY PILE - DISPOSAL	127968	ASC	JM3967	IV	615259	7526016794
CLJ-DP-01	2/25/94	PPE - DISPOSAL	127968	ASC	JM3968	IV	615259	7526016794
CLJ-DP-02	2/25/94	PPE - DISPOSAL (BACK-UP)	127968	ASC	JM3969	-		7526016794

NSFER 2

OHM Corporation

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

127968

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: CAMP LEJEUNE
PROJECT LOCATION: JACKSONVILLE, NC
PROJ. NO.: 15226
PROJECT CONTACT: 910-450-1809
PROJECT TELEPHONE NO.: W. Perry
CLIENT'S REPRESENTATIVE: J. Cotton
PROJECT MANAGER/SUPERVISOR: J. Shepard

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	TCLP (full)	Ignitability	pH	CN/S least	~~[illegible]~~	TPH-GC			REMARKS
1	CLJ-DP-01	2/25	1300	X		Battery Pile Disposal Composite	2x~~[illegible]~~ 1L	X	X	X	X		X			
2	CLJ-DP-01	2/25	1330	X		PPE Disposal composite #1	1x~~[illegible]~~ 1L	X	X	X	X		X			
3	CLJ-DP-02	2/25	1330	X		PPE Disposal Composite #2	1x1L									Extra material if DP-01 is insufficient.
4																
5																
6																
7																
8																
9																
10																

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-3	[signature] 1289	FE Airbill 7526016794	2/25	1530
2					
3					
4					

REMARKS: Use CLJ-DP-01 up before going to CLJ-DP-02.

SAMPLER'S SIGNATURE: [signature] 1289

DATA SUMMARY REPORT

DATE: 11/02/94

Company: OHM REMEDIATION SERVICES CORPORATION

	Sample Point ID:	**CLJ-DB-01**	**CLJ-DP-01**
	ASC Sample Number:	JM3967	JM3968
	Sample Date:	940225	940225
	Facility Code:	015226N	015226N
Parameters	Units		
Conventional Data (CV10)			
Flash Point, Seta Flash 60	Deg C	>60	>60
Reactive Cyanide	mg/kg	<10.0	<10.0
Reactive Sulfide	mg/kg	<10.0	<10.0
pH (Electrode)	std	7.04	7.86
Total Petroleum Hydrocarbons Analysis, GC, (GS17)			
Light hydrocarbons(C2 - C10)	mg/kg	<4.22	<4.64
Medium hydrocarbons(C10 - C21)	mg/kg	213	674
Heavy hydrocarbons(C21 - C40)	mg/kg	6970	2150
RCRA TCLP Leachate Herbicide Analysis, GC, (GS52)			
2,4-D	mg/L	<.250	<.250
2,4,5-TP (Silvex)	mg/L	<.250	<.250
RCRA TCLP Leachate Pesticide Analysis, GC, (GS54)			
Chlordane	mg/L	<.020	<.020
Endrin	mg/L	<.002	<.002
Heptachlor	mg/L	<.002	<.002
Heptachlor epoxide	mg/L	<.002	<.002
Toxaphene	mg/L	<.040	<.040
alpha-Chlordane	mg/L	<.002	<.002
gamma-Chlordane	mg/L	<.002	<.002
RCRA TCLP Leachate Metals Analysis, (ME52)			
Arsenic	mg/L	<.001	.013
Barium	mg/L	.564	.775
Cadmium	mg/L	.067	.789
Chromium	mg/L	<.020	.106
Lead	mg/L	.281	.897
Mercury	mg/L	<.001	<.001
Selenium	mg/L	<.005	<.005
Silver	mg/L	<.020	<.020

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

	Sample Point ID:	**CLJ-DB-01**	**CLJ-DP-01**
	ASC Sample Number:	JM3967	JM3968
	Sample Date:	940225	940225
	Facility Code:	015226N	015226N
Parameters	Units		
RCRA TCLP Leachate Base/Neutral/Acid Analysis, MS, (MS52)			
2,4-Dinitrotoluene	mg/L	<.100	<.100
Hexachlorobenzene	mg/L	<.100	<.100
Hexachloroethane	mg/L	<.100	<.100
Hexachlorobutadiene	mg/L	<.100	<.100
2-Methylphenol	mg/L	<.100	<.100
4-Methylphenol	mg/L	<.100	<.100
Nitrobenzene	mg/L	<.100	<.100
Pentachlorophenol	mg/L	<.100	<.100
Pyridine	mg/L	<.100	<.100
2,4,5-Trichlorophenol	mg/L	<.100	<.100
2,4,6-Trichlorophenol	mg/L	<.100	<.100
Lindane	mg/L	<.100	<.100
Methoxychlor	mg/L	<.100	<.100
RCRA TCLP Leachate (ZHE) Volatile Analysis, MS, (MV50)			
Benzene	mg/L	<.125	<.125
Carbon tetrachloride	mg/L	<.125	<.125
Chlorobenzene	mg/L	<.125	<.125
Chloroform	mg/L	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.125	<.125
1,4-Dichlorobenzene	mg/L	<.100	<.100
1,2-Dichloroethane	mg/L	<.125	<.125
1,1-Dichloroethylene	mg/L	<.125	<.125
Methyl ethyl ketone	mg/L	<.250	<.250
Tetrachloroethylene	mg/L	<.125	<.125
Trichloroethylene	mg/L	<.125	<.125
Vinyl chloride	mg/L	<.125	<.125

Analytical Services Corp.

CLJ-DB-01 Battery Pile Sample #1

CLJ-DB-01 PPE SAMPLE

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Southern Region (Morrisville, NC)

Attn: Kent Geis
Bill Perry

Project: 15226N - NEESA; Camp LeJeune, Jacksonville, NC

Sample(s): CLJ-DB-01 and CLJ-DP-01

Sample Type(s): Solid

Analysis Performed: Conventionals, Organics and RCRA TCLP Leachate Parameters

Date Sample Received: February 28, 1994

Date Order Received: February 28, 1994

Joblink(s): 615259

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by: T E Gran *Date:* 5/10/94

Thomas E. Gran, Ph.D., Vice President

16406 U.S. Route 224 East ■ P.O. Box 1404 ■ Findlay, Ohio 45839-1404 ■ 419-423-3526

SDG NARRATIVE

Conventionals

The pH results are in standard units not mg/kg.

The method qualifier for pH (Electrode) is "pH", for Flashpoint it is "FP", for Reactive Cyanide it is "RC" and for Reactive Sulfide it is "RS". The CLP manual does not address these results or this method for reporting.

The Flashpoint results are in °C not mg/kg.

Total Petroleum Hydrocarbons by Gas Chromatography (TPH/GC)

Total Volatile Hydrocarbons

All matrix and method spikes were within acceptability limits.

The initial and continuing calibration criteria were met.

Total Extractable Hydrocarbons

A reduced initial sample volume was utilized for this delivery group due to matrix effects. The final reduction was to 10 mL instead of 1.0 mL. Due to high levels of petroleum constituents present, further extract concentration could not be achieved.

Due to high target analyte concentration, matrix spike recovery was not within acceptability criteria. The method was performed "in control" as demonstrated by the blank spike recovery that was well within established acceptability criteria.

All initial and continuing calibration criteria were met.

TCLP Herbicides

All matrix and method spike recoveries were within acceptability limits.

The initial and continuing calibration criteria were met.

TCLP Pesticides

The Toxaphene matrix and method spike recoveries were outside the established recovery criteria. The recoveries would lead to a high bias for any sample results reported. Toxaphene was not detected in any of the samples associated with this sample batch, therefore, this anomaly does not impact the validity of the data as reported.

All initial and continuing calibration criteria were met.

SDG NARRATIVE (continued)

TCLP Metals

Since the samples were analyzed for TCLP analytes the items listed (color before, artifacts, etc.) at the bottom of Form I-IN were not reported.

All of the Initial and Continuing Calibration verifications were inside the QC limits.

Due to the bottles used for the TCLP leachate preparation a small amount of Barium is present in the samples. The level is well below any level of concern for this project using this analysis. ASC believes that this will not affect the validity of data for this project.

The ICP Interference Check samples, the pre-digestion spike sample, and the duplicate sample analysis were within the required QC criteria.

The laboratory Control Sample exhibited good recoveries with a range between 74 to 120%.

TCLP Semi-volatile Organics

The Pentachlorophenol matrix and method spike recoveries were outside the established recovery criteria. The recoveries would lead to a high bias for any sample results reported. Pentachlorophenol was not detected in any of the samples associated with this sample batch, therefore, this anomaly does not impact the validity of the data as reported.

Hexachloroethane was outside the established recovery criteria by 0.1% in the matrix spike. This constituent was within the recovery criteria in both the matrix spike duplicate and method spike, and should have minimal impact on the validity of the data as reported.

All initial and continuing calibration criteria were met.

TCLP Volatile Organics

All matrix and method spikes were within acceptability limits.

The initial and continuing calibration criteria were met.

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
RCRA Characteristics		
pH, Electrode	SW-846	9045
Reactive Sulfide	SW-846	7.3.4.2
Flash Point, Seta Flash	SW-846	1020
Reactive Cyanide	SW-846	7.3.3.2
Organics		
Total Petroleum Hydrocarbons (TPHC) by GC		
Total Volatile Hydrocarbons (TVH) by GC	SW-846	8015
Total Extractable Hydrocarbons (TEH) by GC	SW-846	8100
RCRA TCLP		
Leachate Preparation	SW-846	1311
Herbicides by GC	SW-846	8150 (1)
Pesticides by GC	SW-846	8080
Metals (except mercury)	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Semi-volatile Compounds by GC/MS	SW-846	8270
Volatile Compounds by GC/MS	SW-846	8240

COVER PAGE
CONVENTIONAL ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-DB-01~~ N/A

DW No.: NA

EPA Sample No.	Lab Sample ID.
CLJ-DB-01	JM 3967
CLJ-DP-01	JM 3968

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: J. Hnatow **Name:** Joseph Hnatow

Date: 5/10/94 **Title:** Operations Manager

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-DB-01

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-DB-01~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM3967

% Solids: 79.0 **Date Received:** 2/28/94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide	10.0	U		RC
	Reactive Sulfide	10.0	U		RS
	Flashpoint, 60°C	>60° C			FP
	pH (Electrode)	7.04			PH

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-DP-01

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-DB~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM3968

% Solids: 90.0 **Date Received:** 2/28/94

Concentration Units (ug/L or mg/kg dry weight): _____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide	10.0	U		RC
	Reactive Sulfide	10.0	U		RS
	Flashpoint, 60°C	>60°C			FP
	pH (Electrode)	7.86			pH

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-DB0~~ NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) MG/KG

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Reactive Cyanide									0	U	RC
Reactive Sulfide									0	U	RS

SPIKE SAMPLE RECOVERY (5A)

0008

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA Sample #:** CLJ-DS-11D

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-DB-01~~ NA

Matrix: (soil/water) SOIL **Level** (low/med): LOW **% Solids for Sample:** 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Reactive Cyanide									
Reactive Sulfide	50-100	5.29		10.0	U	6.99	76		RS

COMMENTS:

SPIKE SAMPLE RECOVERY (5A)

0009

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA Sample #:** CLJ-DS-10

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-000~~ NA

Matrix: (soil/water) SOIL **Level** (low/med): LOW **% Solids for Sample:** 86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Reactive Cyanide	50-100	141		10.0	U	188	75		RC
Reactive Sulfide									

COMMENTS:

LABORATORY CONTROL SAMPLE (7)

0010

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLI-DB-01~~ NA

Solid LCS Source: _____ **Aqueous LCS Source:** CV-0039

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)					
	True	Found	% R	True	Found	C	Limits		% R
Reactive Cyanide									
Reactive Sulfide	360	283	78.6						

LABORATORY CONTROL SAMPLE (7)

0011

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLT-DB-01~~ NA

Solid LCS Source: _____ **Aqueous LCS Source:** CV-0083

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)					
	True	Found	% R	True	Found	C	Limits		% R
Reactive Cyanide	188	176	93.6						
Reactive Sulfide									

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

TVBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: ~~345~~ N2W3369W

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 345

Level: (low/med) low Date Received: 03/15/94

% Moisture: not dec. 0 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons(C2-C10)	~~0~~ 4.00	U

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

TVSP1Ø1

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: N2W3369WS

Sample wt/vol: 5.00 (g/mL) g Lab File ID: 346

Level: (low/med) low Date Received: Ø3/15/94

% Moisture: not dec. 0 Date Analyzed: Ø3/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons(C2-C10)	2170	

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

FORM I TVH

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DS-10

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM4367W

Sample wt/vol: 0.53 (g/mL) g Lab File ID: 347

Level: (low/med) low Date Received: 03/07/94

% Moisture: not dec. 14.0 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons (C2-C10)	~~0~~ 4.65	u

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-03-10MS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM4367WS

Sample wt/vol: 0.55 (g/mL) g Lab File ID: 348

Level: (low/med) low Date Received: 03/07/94

% Moisture: not dec. 14.0 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons(C2-C10)	10400	

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-03-18MSD

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM436710R

Sample wt/vol: 0.53 (g/mL) g Lab File ID: 349

Level: (low/med) low Date Received: 03/07/94

% Moisture: not dec. 14.0 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons(C2-C10)	14900	

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM3967W

Sample wt/vol: 0.56 (g/mL) g Lab File ID: 352

Level: (low/med) low Date Received: 02/28/94

% Moisture: not dec. 21.6 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons (C2-C10)	~~04.22~~ NT	U

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DP-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: ~~JM4958~~ JM3968W

Sample wt/vol: 0.51 (g/mL) g Lab File ID: 353

Level: (low/med) low Date Received: 02/28/94

% Moisture: not dec. 10.0 Date Analyzed: 03/15/94

GC Column: * See Below ID: 2 (mm) Dilution Factor: 1

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
----NA----	Light hydrocarbons (C2-C10)	4.64	U

* Column used was 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

TVH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix Spike - EPA Sample No.: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Light hydrocarbons(C2-C10)	24500	0	16400	66.7	30-130
					30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Light hydrocarbons(C2-C10)	24500	14900	58.5	9.33	30	30-130

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

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

TVH BLANK SPIKE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Blank Spike - EPA Sample No.: ~~U2W3269WS~~ TVSPK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
Light hydrocarbons(C2-C10)	2700	0	2170	80.4	30-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

EPA SAMPLE NO.

TVH METHOD BLANK SUMMARY

TVBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab Sample ID: N2W3369W Lab File ID: 345

Matrix: (soil/water) soil Extraction: (SepF/Cont/Sonc) NA

Sulfur Cleanup: (Y/N) ~~Y~~N Date Extracted: NA

Date Analyzed (1): 03-15-94 Date Analyzed (2):

Time Analyzed (1): 1100 Time Analyzed (2):

Instrument ID (1): 04 Instrument ID (2):

GC Column (1): See Below ID: 2 (mm) GC Column (2): ____ ID: ____ (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	TVSPK01	N2W3369WS	03-15-94	
02	CLJ-DS-10	JM4367W		
03	CLJ-DS-10MS	JM4367WS		
04	CLJ-DS-10MSD	JM4367WR		
05	CLJ-DS-11	JM4368W		
06	CLJ-DS-11D	JM4369W		
07	CLJ-DR-01	JM3967W		
08	CLJ-DP-01	JM3968W		
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

COMMENTS: 8' glass packed with 5% SP1200/1.75% Bentone 34, 2 mm ID

FORM IV TVH

TVH INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: D4 Calibration Date (s): 01-13-94

Calibration Time (s): 2124

LAB FILE ID: CLOW = 204 CMEDL = 205
CMED = 206 CMEDH= 207 CHIGH = 208

COMPOUND	CLOW	CMEDL	CMED	CMEDH	CHIGH	$\overline{CF}$	% RSD
Light hydrocarbons(C2-C10)	2440000	1890000	2050000	1970000	1890000	2050000	11.2

TVH CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: D4 Calibration Date: 03-15-94 Time: 1023

Lab File ID: 344 Initial Calib Date(s): 01-13-94

Initial Calib Times: 2124

COMPOUND	$\overline{CF}$	CMED	MIN CF	% D	MAX % D
Light hydrocarbons(C2-C10)	2050000	1780000	NA	13.3	15

TVH CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: A4 Calibration Date: 03/15/94 Time: 1821

Lab File ID: 355 Initial Calib Date(s): 01-13-94

Initial Calib Times: 2124

COMPOUND	$\overline{CF}$	CMED	MIN CF	% D	MAX % D
Light hydrocarbons(C2-C10)	2050000	1950000	NA	4.75	15

* RUN # 352 MAR 15, 1994 16:10:11

START

IF

~~1.272~~ 1.609

6.364

CLJ-DB-01

JM3967W

N2W3369

~~N.D.~~ C.P. 1-16-94

E_A=14611

C.P.

TIMETABLE STOP

RUN# 352 MAR 15, 1994 16:10:11

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.272	15219	VP	.083	20.53319
1.609	44289	PB	.054	59.75390
6.364	14611	BB	.196	19.71290

TOTAL AREA= 74119

MUL FACTOR=1.0000E+00

* RUN # 353 MAR 15, 1994 16:53:33

START

IF

1.271

1.615

JM3968W

N2W3369

TIMETABLE STOP

RUN# 352 MAR 15, 1994 16:10:11

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.272	15219	VP	.083	20.53319
1.609	44289	PB	.054	59.75390
6.364	14611	BB	.196	19.71290

TOTAL AREA= 74119
MUL FACTOR=1.0000E+00

* RUN # 353 MAR 15, 1994 16:53:33
START
IF
1.271
1.615

CLJ-DP-01
JM 3968W
N2W3369

ND
C.P.

TIMETABLE STOP

RUN# 353 MAR 15, 1994 16:53:33

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.271	10691	PB	.096	48.84859
1.615	11195	PB	.075	51.15142

TOTAL AREA= 21886
MUL FACTOR=1.0000E+00

* RUN # 354 MAR 15, 1994 17:37:01
START
IF
~~0.205~~
~~1.074~~

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

TEBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: NQF40195F

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 159635/679

% Moisture: NA decanted: (Y/N) N Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) Soxhlet Date Extracted: 03/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	4170	J
--NA------	Heavy hydrocarbons (C21-C40)	330	U

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

TESPK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: ND4C19SFS

Sample wt/vol: 30.0 (g/mL) g Lab File ID: NS9636/680

% Moisture: NA decanted: (Y/N) N Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) SCA Date Extracted: 03/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	3190D	
--NA------	Heavy hydrocarbons (C21-C40)	330	U

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ DB CINS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: J5N39670NS

Sample wt/vol: ~~30.~~ 15.4 (g/mL) g Lab File ID: ~~S9637/6281~~ S9640 684

% Moisture: 21 decanted: (Y/N) N Date Received: 02/25/94

Extraction: (SepF/Cont/Sonc) SOX Date Extracted: 03/12/94

Concentrated Extract Volume: ~~1000~~ 10,000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	412000	
--NA------	Heavy hydrocarbons (C21-C40)	6930000	

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

Lab Name: ASC Contract: NEESA CLJ-DB-ANSD

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM3967FR

Sample wt/vol: ~~30.~~ 15.4 (g/mL) g Lab File ID: 15964/1685

% Moisture: 21 decanted: (Y/N) N Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 03/12/94

Concentrated Extract Volume: ~~1000~~ 10,000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	999,000	
--NA------	Heavy hydrocarbons (C21-C40)	6350000	

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

Lab Name: ASC Contract: NEESA CLJ-13-01

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM3967

Sample wt/vol: ~~30.~~ 15.3 (g/mL) g Lab File ID: 2S 9642168.6

% Moisture: 21 decanted: (Y/N) N Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) SX Date Extracted: 03/12/94

Concentrated Extract Volume: ~~1000~~ 16,000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	2130000	
--NA------	Heavy hydrocarbons (C21-C40)	6970000	

7,183,000 ppb

7,183 ppm

0.7%

EPA SAMPLE NO. 0032

ORGANICS ANALYSIS DATA SHEET

Lab Name: ASC Contract: NEESA CLJ-DP-01

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) soil Lab Sample ID: JM3968

Sample wt/vol: ~~30.~~ 15.4 (g/mL) g Lab File ID: 2S3643/687

% Moisture: 10 decanted: (Y/N) N Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) Sox Date Extracted: 03/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/94

Injection Volume: 1.0 (uL) Dilution Factor: ~~1.0~~ 10

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
--NA------	Medium hydrocarbons (C10-C21)	674000	
--NA------	Heavy hydrocarbons (C21-C40)	2150000	

2,824,000 ppb
2,824 ppm
0.3%

TEH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix Spike - EPA Sample No.: CLJ-DB-01

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Med hydrocarbons(C10-C21)	54500	213000	412000	366	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Med hydrocarbons(C10-C21)	54500	299000	158	32	30	30-130

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

* Values outside of QC limits

RPD: 1 out of 1 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS: Sample matrix problems during extraction.

TEH BLANK SPIKE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Blank Spike - EPA Sample No.: TEBLK01

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
Med hydrocarbons(C10-C21)	28000	4170 (J)	31900	99.0	30-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS:

EPA SAMPLE NO. 0035

TEH METHOD BLANK SUMMARY

TEBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab Sample ID: N2F4095F Lab File ID: 259635/679

Matrix: (soil/water) soil Extraction: (SepF/Cont/Sonc) _____

Sulfur Cleanup: (Y/N) Y Date Extracted: 03/12/94

Date Analyzed (1): 03/14/94 Date Analyzed (2): N/A

Time Analyzed (1): 09:20 Time Analyzed (2): ↓

Instrument ID (1): B1F Instrument ID (2): ↓

GC Column (1): DB-5 ID: .53 (mm) GC Column (2): _____ ID: ____ (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	CLJ-DB-01	Jm3967	03/14/94	NA
02	CLJ-DP01	Jm3968	↓	↓
03	CLJ-DB-01MS	Jm3967MS		
04	CLJ-DB-01 MSD	Jm3967FR.		
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

COMMENTS: _____

FORM IV TEH

TEH INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: B1F Calibration Date (s): 03/09/94

Calibration Time (s): 15:46 20:04

LAB FILE ID: na CLOW = 7595701596 CMEDL = 7595711597

CMED = 7595721598 CMEDH= 7595731600 CHIGH = 7595741601

COMPOUND	CLOW	CMEDL	CMED	CMEDH	CHIGH	$\overline{CF}$	% RSD
Medium hydrocarbons(C10-21)	8370	11600	13400	14300	15200	12600	20.3
Heavy hydrocarbons(C21-C40)	~~16600~~	~~22300~~	~~27600~~	27600	29000	23900	23.7
		drop 1st point	16600	22300			

TEH CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: B/F Calibration Date: 03/14/94 Time: 07:24

Lab File ID: 159633/677 Initial Calib Date(s): 03/09/94

Initial Calib Times: 15:46 20:04

COMPOUND	$\overline{CF}$	CMED	MIN CF	% D	MAX % D
Medium hydrocarbons (C10-C21)	1260D	1410D	NA	11.5	
	2390D	2330D	↓	2.48	

TEH CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

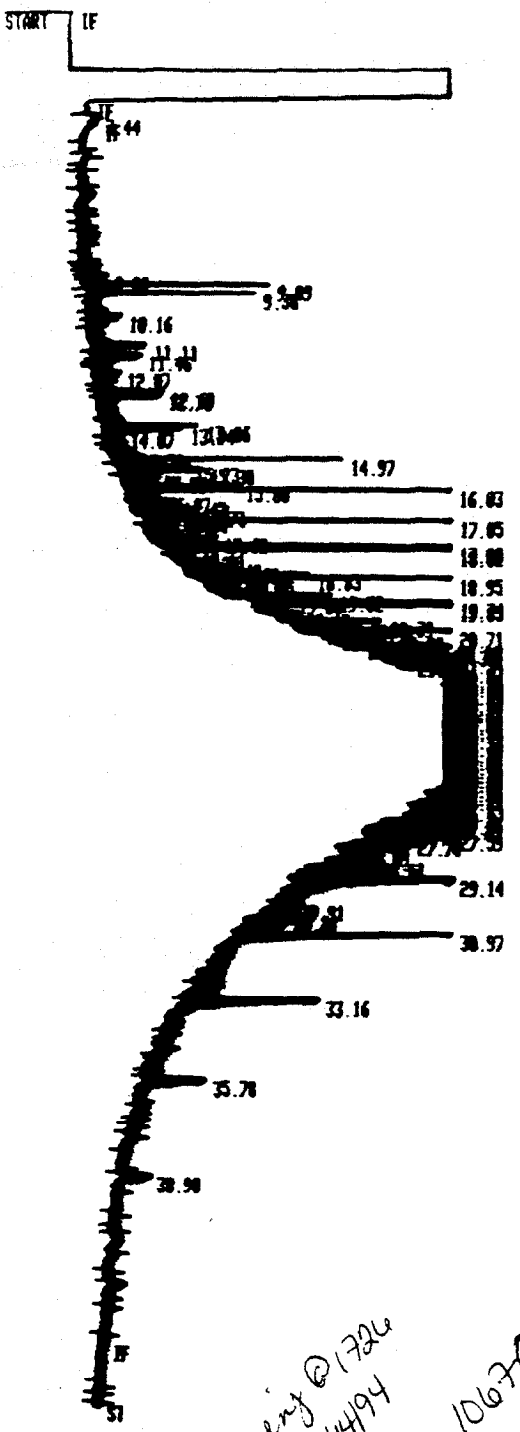
Instrument ID: 31F Calibration Date: 03/14/94 Time: 08:16

Lab File ID: 59634/678 Initial Calib Date(s): 03/09/94

Initial Calib Times: 15:46 20:04

COMPOUND	$\overline{CF}$	CMED	MIN CF	% D	MAX % D
Medium hydrocarbons (C10-C21)	12600	14500	NA	14.8	
Heavy hydrocarbons (C21-C40)	23900	24900	↓	4.53	

WORKFILE ID: A FROM GC # 7
WORKFILE NAME: MSFTEH::DB—ACQUIRE



inj @ 1726
3/14/94
Alloy: 1067 Oil

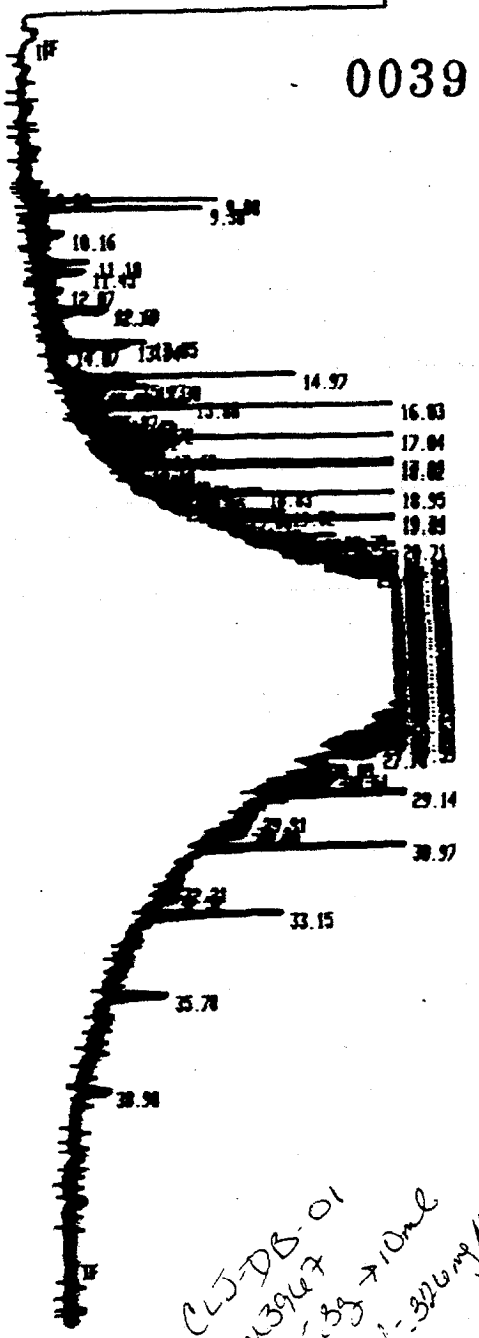
RUN # 443
WORKFILE ID: A FROM GC # 7
WORKFILE NAME: MSFTEH::DB—ACQUIRE

AREA2 RT	AREA	TYPE	AR/HT	AREA2
3.44	40613	PB	0.115	0.025
12.92	8687208	++	0.059	5.283
28.14	1.5678E+08	B ++	0.312	94.772

TOTAL AREA= 1.6543E+08
NUL FACTOR= 1.0000E+00

END Q-CHROM DATA ACQUIRE

FILE:)S9642::D4
NAME: 15226A CLJ-DB-01 TEH
MISC: JM3967F,MZF40195,S:C1,15.3,10:1



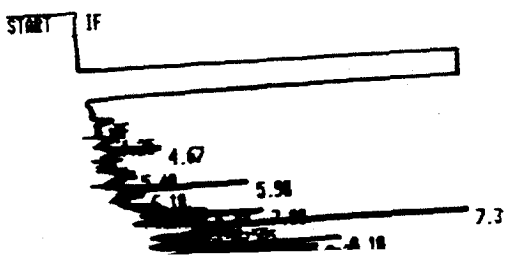
CLJ-DB-01
JM3967
15.3g → 10ml
Alloy - 3240 mg/L

MAR/14/94 17:26:31

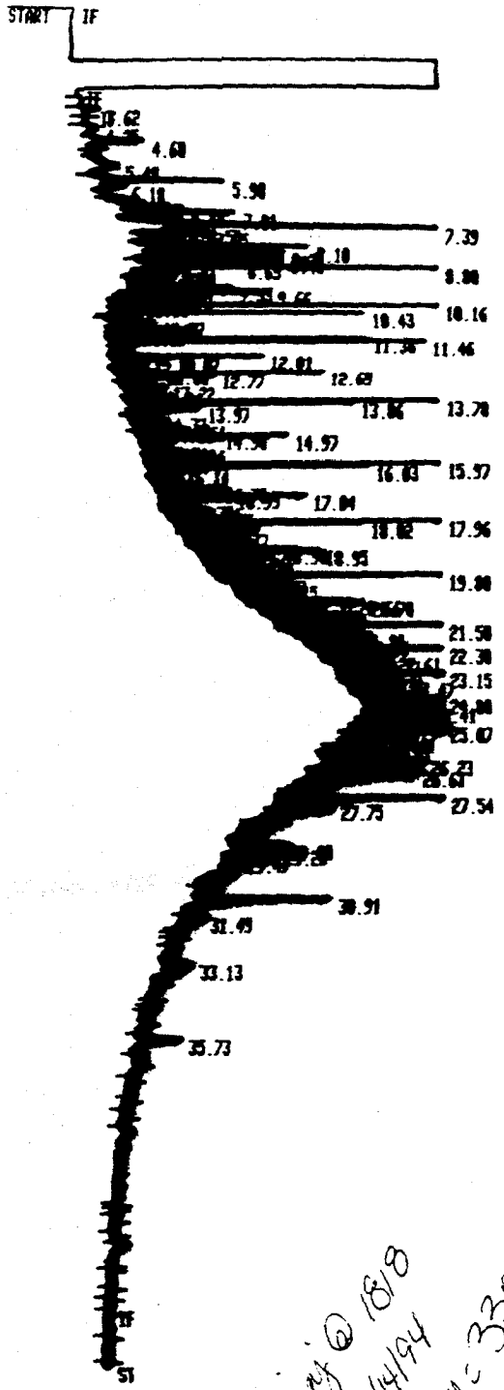
RUN # 686
WORKFILE ID: C
WORKFILE NAME:
SAMPLE # 3

AREA2 RT	AREA	TYPE	AR/HT	AREA2
12.92	4100000	++	0.038	6.928
17.30	34524	PB	0.056	0.058
28.21	5.5156E+07	B ++	0.110	93.014

TOTAL AREA= 5.9299E+07
NUL FACTOR= 1.0000E+00



WORKFILE ID: A FROM GC # 7
WORKFILE NAME: MSFTEM::DB—ACQWIRE



inj @ 1818
3/14/94
Heavy: 330 ng/L

RUN # 444
WORKFILE ID: A FROM GC # 7
WORKFILE NAME: MSFTEM::DB—ACQWIRE

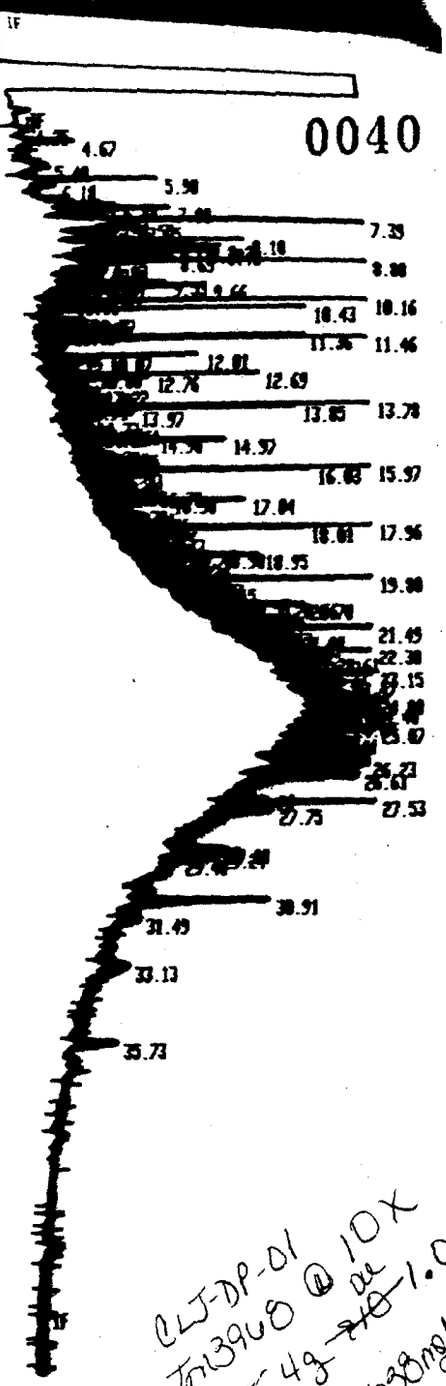
AREA% RT	AREA	TYPE	AR/HT	AREA%
3.62	47288	I PB	0.091	0.042
18.64	2.9506E+07	D ++	0.063	25.897
26.55	8.4382E+07	D ++	0.168	74.061

TOTAL AREA= 1.1394E+08
MUL FACTOR= 1.0000E+00

END Q-CHROM DATA ACQWIRE

FILE: >S9643::D4
NAME: 15226N CLJ-DP-01 TEM
MISC: JK3968F,N2F40155,S:C1,15.4,1:10

0040



CLJ-DP-01
Jr13968 @ 10X
15.49 ~~7.10~~ 1.0ml
Med = 1038 ng/L

RUN # 687 MAR/14/94 18:18:15
WORKFILE ID: C
WORKFILE NAME:
SAMPLE # 4

AREA% RT	AREA	TYPE	AR/HT	AREA%
18.64	1.3004E+07	D ++	0.041	56.903
26.55	9989100	D ++	0.056	43.097

TOTAL AREA= 2.2953E+07
MUL FACTOR= 1.0000E+00

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

HBLK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: N7H40203H

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 1H9342

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03/28~~ 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/7/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
94-75-7----	2,4,D	250	U
93-72-1----	2,4,5-TP (SILVEX)	250	U

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

HSPK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: N7H40203HS

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 7H9343

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03~~ 02/~~18~~ 28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/7 /94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
94-75-7----	2,4,D	7630	
93-72-1----	2,4,5-TP (SILVEX)	2190	

EPA SAMPLE NO. 0043

ORGANICS ANALYSIS DATA SHEET

CLJ-DB01-MS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: JM3967HS

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 7H9344

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03/18~~ 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/7/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
94-75-7----	2,4,D	4180	
93-72-1----	2,4,5-TP (SILVEX)	1190	

EPA SAMPLE NO. 004

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01-115D

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: JM3967HR

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 1H9345

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03/28~~ 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/7/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
94-75-7----	2,4,D	4530	
93-72-1----	2,4,5-TP (SILVEX)	1280	

FORM I HERB

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: J113967H

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 1H9346

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03/18~~ 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/ 7/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
94-75-7----	2,4,D	250	U
93-72-1----	2,4,5-TP (SILVEX)	250	U

EPA SAMPLE NO. 0046

ORGANICS ANALYSIS DATA SHEET

Lab Name: ASC Contract: NEESA CW-DP-01

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) water Lab Sample ID: JM3968H

Sample wt/vol: 2.0 (g/mL) mL Lab File ID: 1H9347

% Moisture: _____ decanted: (Y/N) ___ Date Received: ~~03/18~~ 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/ 7/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
94-75-7----	2,4,D	250	U
93-72-1----	2,4,5-TP (SILVEX)	250	U

FORM I HERB

HERBICIDE SURROGATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

GC Column(1): DB-5 ID: .53 GC Column(2): _____ ID: ____

	EPA SAMPLE NO.	DPAA % REC #		TOT OUT
01	HBIK	94.4		0
02	HSPK	111		0
03	CLJ-DB01MS	106		0
04	CLJ-DB-01MSD	109		0
05	CLJ-DB-01	109		0
06	CLJ-DP-01	109		0
07	HBLK01F	112		0
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

DPAA = 2,4-Dichlorophenylacetic acid

ADVISORY QC LIMITS (30 -130)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM II HERB

HERBICIDE BLANK SPIKE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Blank Spike - EPA Sample No.: HSPK

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
2,4,D	8370	0	7630	91.1	30-130
2,4,5-TP (Silvex)	2310	0	2190	94.8	30-130

= Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

HERBICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix Spike - EPA Sample No.: CWJ-DB-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
2,4,D	4190	0	4180	99.8	30-130
2,4,5-TP (Silvex)	1160	0	1190	103	30-130
					30-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4,D	4190	4530	108	8.05	30	30-130
2,4,5-TP (Silvex)	1160	1250	110	6.90	30	30-130
					30	30-130

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

EPA SAMPLE NO. 0050

HERBICIDE METHOD BLANK SUMMARY

HBLK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab Sample ID: N7H Lab File ID:

Matrix: (soil/water) water Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N) Y Date Extracted: 03/ /94

Date Analyzed (1): 03/10/94 Date Analyzed (2):

Time Analyzed (1): 15:55 Time Analyzed (2):

Instrument ID (1): C4F Instrument ID (2):

GC Column (1): DB-5 ID: .53 (mm) GC Column (2): ID: (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	HSPK	N7H40303H	03/10/94	
02	CCJ-DB-01MS	JM3967HS		
03	CCJ-DB-01MSD	JM3967HR		
04	CCJ-DB-01	JM3967H		
05	CCJ-DP-01	JM3968H		
06	HBLK01F	JM0000H		
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

COMMENTS:

FORM IV HERB

HERBICIDE INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

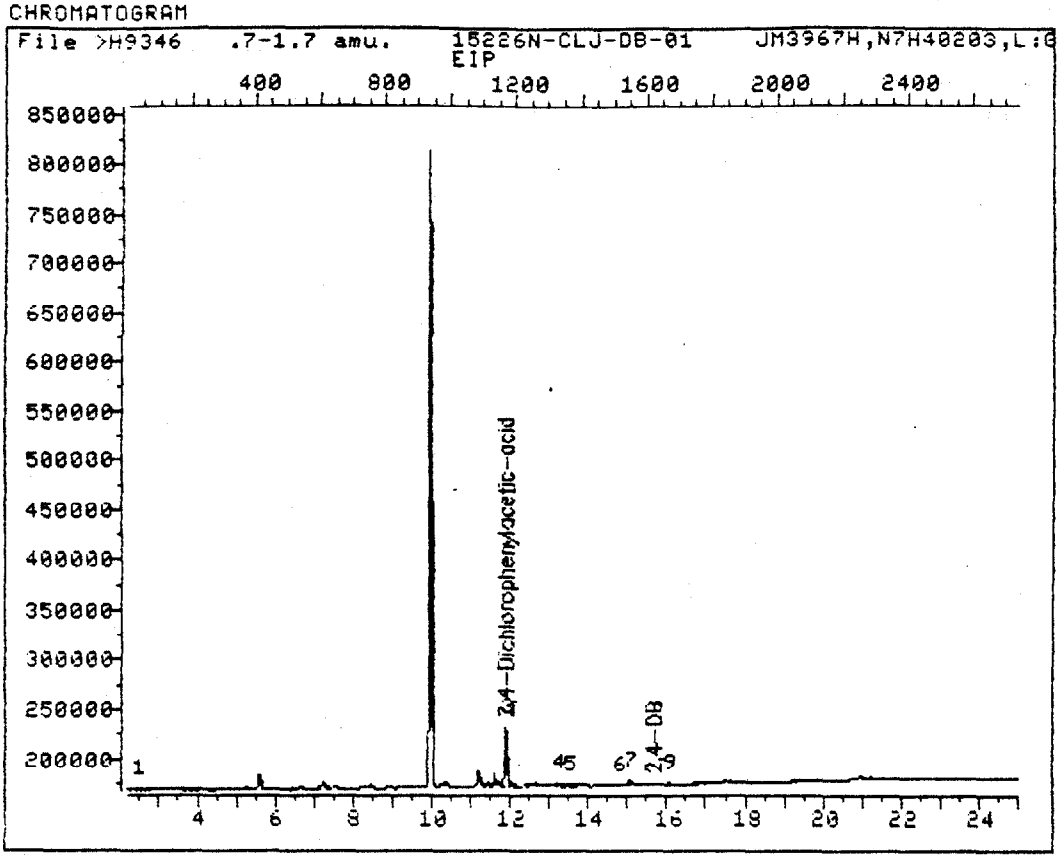
Instrument ID: C4F Calibration Date (s): 3/10/94

Calibration Time (s): 1358

LAB FILE ID: CLOW = ^H9333 CMEDL = ^H9334
CMED = ^H9335 CMEDH= ^H9336 CHIGH = ^H9337

COMPOUND	CLOW	CMEDL	CMED	CMEDH	CHIGH	$\overline{CF}$	% RSD
2,4-D	961300	859700	773712	689432	628733	782575	16.94
2,4,5-TP (SILVEX)	3652470	3386085	3240528	3011921	2859959	3230193	9.64
DPAA (surr)	—	653680	581504	511522	440707	554353	18.69

CHROMATOGRAM



Data File: >H9346::D2 Quant Output File: ^H9346::D2
Name: 15226N-CLJ-DB-01 Instrument ID: H
Misc: JM3967H,N7H40203,L:G1,2,5:1,

Id File: IHH310::D2
Title: Herbicides by Method 8150 DB-5 ECD IHHD07
Last Calibration: 940310 14:28 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 940310 18:29
Injected at: 940310 18:04

QUANT REPORT

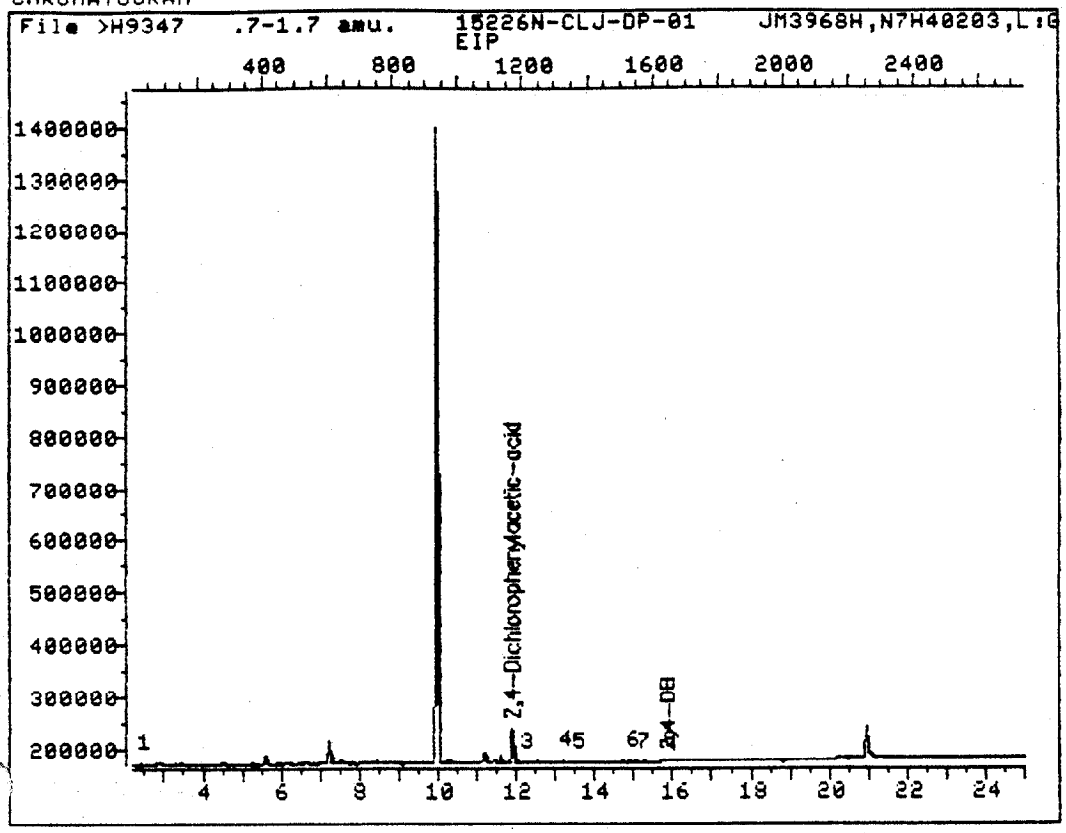
Operator ID: USER2 Quant Rev: 7 Quant Time: 940310 18:29
Output File: ^H9346::D2 Injected at: 940310 18:04
Data File: >H9346::D2 Dilution Factor: 1.00000
Name: 15226N-CLJ-DB-01 Instrument ID: H
Misc: JM3967H,N7H40203,L:G1,2,5:1,

ID File: IHH310::D2
Title: Herbicides by Method 8150 DB-5 ECD IHHD07
Last Calibration: 940310 14:28 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Dalapon	2.41	27	19040	~~.0235~~	~~ug/ml~~	100
2)	#2,4-Dichlorophenylacetic-acid	11.88	1164	234118	.422	ug/ml	100
3)	#Dicamba	11.88	1164	234118	~~.120~~	~~ug/ml~~	100
4)	#Dichloroprop	13.19	1321	12191	~~.0186~~	~~ug/ml~~	100
5)	#2,4-D	13.48	1355	5568	~~.00711~~	~~ug/ml~~	100
6)	#2,4,5-TP (Silvex)	14.74	1507	1376	~~.000426~~	~~ug/ml~~	100
7)	#2,4,5-T	15.03	1542	44229	~~.0148~~	~~ug/ml~~	100
8)	#2,4-DB	15.67	1619	7008	~~.0192~~	~~ug/ml~~	100
9)	#Dinoseb	16.03	1662	14593	~~.00594~~	~~ug/ml~~	100

Compound uses ESTD

CHROMATOGRAM



Data File: >H9347::D2 Quant Output File: ^H9347::D2
Name: 15226N-CLJ-DP-01 Instrument ID: H
Misc: JM3968H,N7H40203,L:G1,2,5:1,

Id File: IHH310::D2
Title: Herbicides by Method 8150 DB-5 ECD IHHD07
Last Calibration: 940310 14:28 Last Qcal Time: <none>

Operator ID: USER2
Quant Time : 940310 19:02
Injected at: 940310 18:36

QUANT REPORT

Operator ID: USER2 Quant Rev: 7 Quant Time: 940310 19:02
Output File: ^H9347::D2 Injected at: 940310 18:36
Data File: >H9347::D2 Dilution Factor: 1.00000
Name: 15226N-CLJ-DP-01 Instrument ID: H
Misc: JM3968H,N7H40203,L:G1,2,5:1,

ID File: IHH310::D2
Title: Herbicides by Method 8150 DB-5 ECD IHHD07
Last Calibration: 940310 14:28 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#Dalapon	2.41	27	8477	~~.0185~~	~~ug~~/ml	100
2)	#2,4-Dichlorophenylacetic-acid	11.88	1164	233536	.421	ug/ml	100
3)	#Dicamba	12.20	1202	3488	~~.00178~~	ug/ml	100
4)	#Dichloroprop	13.19	1321	36511	~~.0597~~	~~ug~~/ml	100
5)	#2,4-D	13.50	1358	14528	~~.0186~~	~~ug/ml~~	100
6)	#2,4,5-TP (Silvex)	14.90	1526	2720	~~.000842~~	~~ug~~/ml	100
7)	#2,4,5-T	15.16	1557	2172	~~.000727~~	ug/ml	100
8)	#2,4-DB	15.86	1641	2528	~~.00693~~	~~ug~~/ml	100
9)	#Dinoseb	15.86	1641	2528	~~.00103~~	ug/ml	100

Compound uses ESTD

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

PBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: N7P40207P

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3939

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)	~~2.00~~ DL	~~U~~ DL
76-44-8----	Heptachlor	2.00	U
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	2.00	U
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	2.00	U
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	2.00	U
5103-74-2--	gamma-Chlordane	2.00	U
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

PSPK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: N7P40207PS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3940

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)		
76-44-8----	Heptachlor	13.2	
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	15.9	
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	16.8	
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor	~~16.8~~ DL	
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	16.0	
5103-74-2--	gamma-Chlordane	15.3	
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

PSPK01T

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: N7P40181PST

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Y3684

% Moisture: NA decanted: (Y/N) NA Date Received: 2/25/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)		
76-44-8----	Heptachlor	2.00	U
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	2.00	U
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	2.00	U
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	2.00	U
5103-74-2--	gamma-Chlordane	2.00	U
8001-35-2--	Toxaphene	132	
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01MS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967PS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3941

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)		
76-44-8----	Heptachlor	14.0	
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	15.3	
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	16.4	
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	15.6	
5103-74-2--	gamma-Chlordane	16.1	
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01MST

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967PST

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Y3685

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)		
76-44-8----	Heptachlor	2.00	U
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	2.00	U
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	2.00	U
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	2.00	U
5103-74-2--	gamma-Chlordane	2.00	U
8001-35-2--	Toxaphene	132	
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01MSD

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967PR

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3942

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)		
76-44-8----	Heptachlor	13.6	
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	15.0	
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	16.3	
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	15.5	
5103-74-2--	gamma-Chlordane	16.8	
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

Lab Name: ASC Contract: NEESA CLJ-DB-01

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967P

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3943

% Moisture: NA decanted: (Y/N) NA Date Received: 2/18/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/2/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/8/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)	~~2.00~~ PL	~~U~~
76-44-8----	Heptachlor	2.00	U
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	2.00	U
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	2.00	U
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	2.00	U
5103-74-2--	gamma-Chlordane	2.00	U
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DP-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3968P

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: ^Z3944

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 3/12/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6---	alpha-BHC		
319-85-7---	beta-BHC		
319-86-8---	delta-BHC		
58-89-9----	gamma-BHC (Lindane)	~~2.00~~ DL	~~U~~ DL
76-44-8----	Heptachlor	~~2.00~~	U
309-00-2---	Aldrin		
1024-57-3--	Heptachlor Epoxide	2.00	U
959-98-8---	Endosulfan I		
60-57-1----	Dieldrin		
72-55-9----	4,4'-DDE		
72-20-8----	Endrin	2.00	U
33213-65-9-	Endosulfan II		
72-54-8----	4,4'-DDD		
1031-07-8--	Endosulfan sulfate		
50-29-3----	4,4'-DDT		
72-43-5----	Methoxychlor		
53494-70-5-	Endrin ketone		
7421-36-3--	Endrin aldehyde		
5103-71-9--	alpha-Chlordane	2.00	U
5103-74-2--	gamma-Chlordane	2.00	U
8001-35-2--	Toxaphene	40.0	U
12674-11-2-	Aroclor-1016		
11104-28-2-	Aroclor-1221		
11141-16-5-	Aroclor-1232		
53469-21-9-	Aroclor-1242		
12672-29-6-	Aroclor-1248		
11097-69-1-	Aroclor-1254		
11096-82-5-	Aroclor-1260		

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

GC Column(1): DB-608 ID: .53 (mm) GC Column(2): DB-5 ID: .53 (mm

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK01	93.1	94.2	91.8	101			0
02	PSPK01	81.2	92.9	94.2	103			0
03	CLJ-DB-01MS	84.3	93.8	114	125			0
04	CLJ-DB-01MSD	78.1	86.2	116	127			0
05	CLJ-DB-01	93.4	105	118	130			0
06	CLJ-DB-01	87.9	96.9	118	129			0
07	PSPK01T	—	—	—	—			
08	CLJ-DB-01MST	—	—	—	—			
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No. NA

Matrix Spike - EPA Sample No.: CL1-PB-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)					56-120
Heptachlor	16.8	Ø	14.0	83.6	40-131
Heptachlor Epoxide	18.2	Ø	15.3	84.2	30-130
Toxaphene	95.6	Ø	132	138*	30-130
Endrin	20.3	Ø	16.4	81.0	30-130
Methoxychlor					30-130
gamma-Chlordane	17.2	Ø	16.1	94.1	30-130
alpha-Chlordane	18.6	Ø	15.6	83.7	30-130
					30-130
					30-103
					30-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)					15	56-120
Heptachlor	16.8	13.6	81.0	2.89	20	40-131
Heptachlor Epoxide	18.2	15.0	82.4	1.98	20	30-130
Toxaphene					20	30-130
Endrin	20.3	16.3	80.3	.611	20	30-130
Methoxychlor					20	30-130
gamma-Chlordane	17.2	16.8	97.7	4.01	20	30-130
alpha-Chlordane	18.6	15.5	83.3	.515	20	30-130
						30-130
						30-130
						30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 8 outside limits
Spike Recovery: 1 out of 16 outside limits

COMMENTS: There is no duplicate extracted for Toxaphene

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO: PBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab Sample ID: N7P40207P Lab File ID: NA

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N) N Date Extracted: 3-4-94

Date Analyzed (1): 3-12-94 Date Analyzed (2): 3-12-94

Time Analyzed (1): 13:06 Time Analyzed (2): 13:51

Instrument ID (1): 1 Instrument ID (2): 2

GC Column (1): DB-608 ID: .53 (mm) GC Column (2): DB-5 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK01	N7P40207P	3-12-94	3-12-94
02	PSPK01	N7P40207PS	↓	↓
03	CLJ-DB-01MS	JM3967PS	↓	↓
04	CLJ-DB-01MSD	JM3967PR	↓	↓
05	CLJ-DB-01	JM3967P	↓	↓
06	CLJ-DP-01	JM3968P	↓	↓
07	PSPK01T	N7P40K1PST	↓	↓
08	CLJ-DB-01MST	JM3967PST	↓	↓
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

60

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: 2 Level (x low): low 1.00 mid 5.00 high 10.0

GC Column: DB-5 ID: .53 (mm) Date(s) Analyzed: 3-7-94

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC						
beta-BHC						
delta-BHC						
gamma-BHC (Lindane)						
Heptachlor	12.65	12.64	12.65	12.65	12.60	12.70
Aldrin						
Heptachlor epoxide	15.13	15.13	15.13	15.13	15.06	15.20
Endosulfan I						
Dieldrin						
4,4'-DDE						
Endrin	18.02	18.02	18.02	18.02	17.97	18.09
Endosulfan II						
4,4'-DDD						
Endosulfan sulfate						
4,4'-DDT						
Methoxychlor						
Endrin ketone						
Endrin aldehyde						
alpha-Chlordane	16.36	16.36	16.36	16.36	16.29	16.43
gamma-Chlordane	15.91	15.91	15.91	15.91	15.84	15.98
Tetrachloro-m-xylene	7.94	7.90	7.90	7.91	7.86	7.96
Decachlorobiphenyl	32.37	32.38	32.38	32.38	32.28	32.48

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide, ±0.07 minutes for all other compounds, except ±0.10 minutes for Decachlorobiphenyl.

6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: 1 Level (x low): low 1.00 mid ~~2.50~~ 5.00 high 100

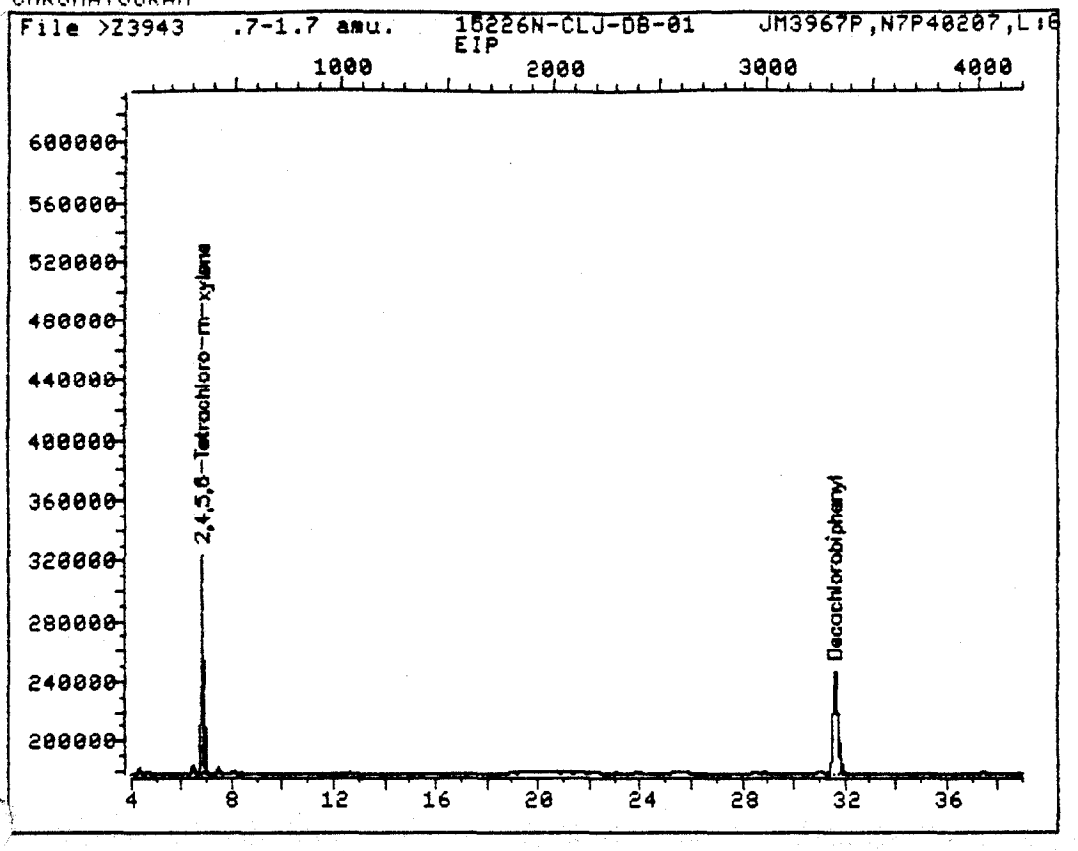
GC Column: DB-608 ID: .53 (mm) Date(s) Analyzed: 3-7-94 3-8-94

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC						
beta-BHC						
delta-BHC						
gamma-BHC (Lindane)						
Heptachlor	11.42	11.43	11.43	11.42	11.37	11.47
Aldrin						
Heptachlor epoxide	14.47	14.47	14.47	14.47	14.40	14.54
Endosulfan I						
Dieldrin						
4,4'-DDE						
Endrin	17.96	17.96	17.96	17.96	17.89	18.03
Endosulfan II						
4,4'-DDD						
Endosulfan sulfate						
4,4'-DDT						
Methoxychlor						
Endrin ketone						
Endrin aldehyde						
alpha-Chlordane	15.57	15.57	15.57	15.57	15.50	15.64
gamma-Chlordane	15.02	15.02	15.02	15.02	14.95	15.09
Tetrachloro-m-xylene	6.69	6.69	6.69	6.69	6.64	6.74
Decachlorobiphenyl	31.11	31.12	31.13	31.12	31.02	31.22

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are ± 0.05 minutes for all compounds that elute before Heptachlor epoxide, ±0.07 minutes for all other compounds, except ±0.10 minutes for Decachlorobiphenyl.

CHROMATOGRAM



Data File: >Z3943::D5 Quant Output File: ^Z3943::D5
Name: 15226N-CLJ-DB-01 Instrument ID: Z
Misc: JM3967P,N7P40207,L:G2,25,5:1,

Id File: IZP307::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 940308 07:26 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 940312 16:45
Injected at: 940312 16:05

0070
DL
3-14-94

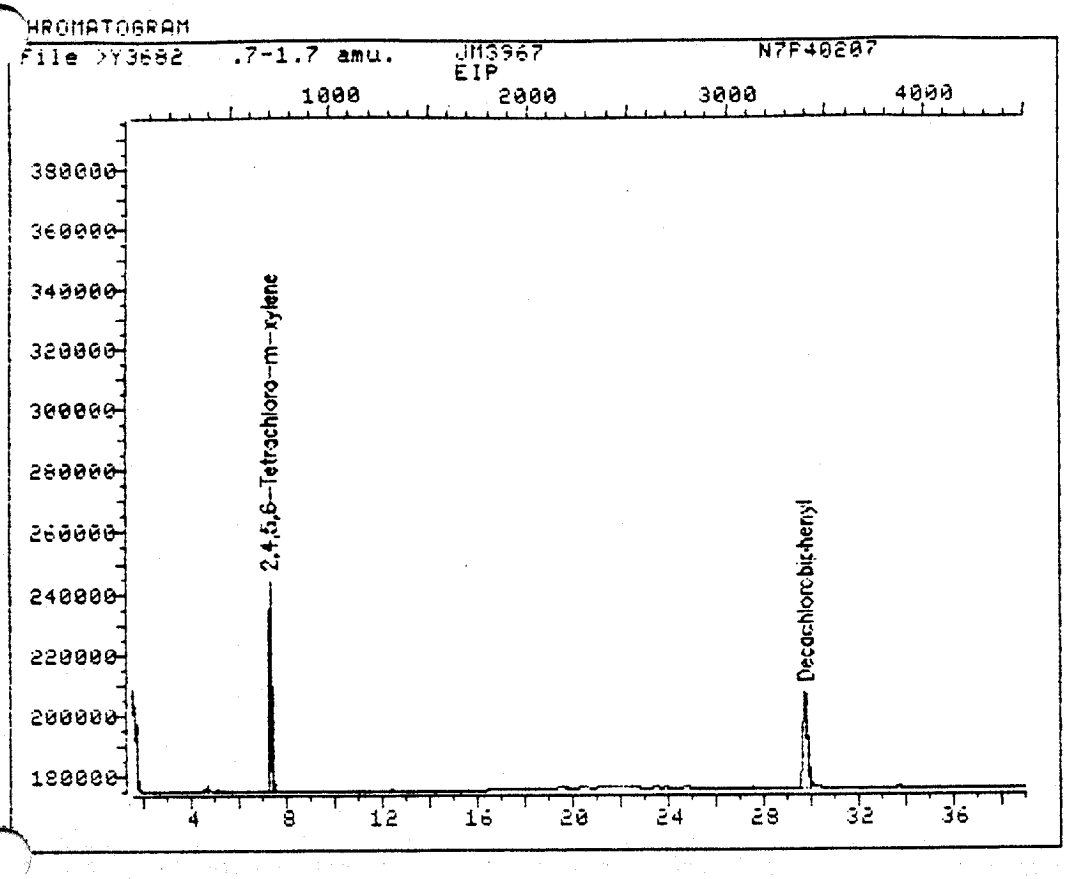
QUANT REPORT

Operator ID: USER1 Quant Rev: 7 Quant Time: 940312 16:45
Output File: ^Z3943::D5 Injected at: 940312 16:05
Data File: >Z3943::D5 Dilution Factor: 1.00000
Name: 15226N-CLJ-DB-01 Instrument ID: Z
Misc: JM3967P,N7P40207,L:G2,25,5:1,

ID File: IZP307::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 940308 07:26 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.79	336	662307	.207	ug/ml	100
23)	#Decachlorobiphenyl	31.58	3310	854900	.202	ug/ml	100

Compound uses ESTD



Data File: >Y3682::D5 Quant Output File: ^Y3682::D5
Name: JM3967 Instrument ID: Y
Misc: N7P40207

Id File: IYP307::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 940308 07:48 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 940312 17:30
Injected at: 940312 16:49

DL 0072
3-24-94

QUANT REPORT

Operator ID: USER1
Output File: ^Y3682::D5
Data File: >Y3682::D5
Name: JM3967
Misc: N7P40207

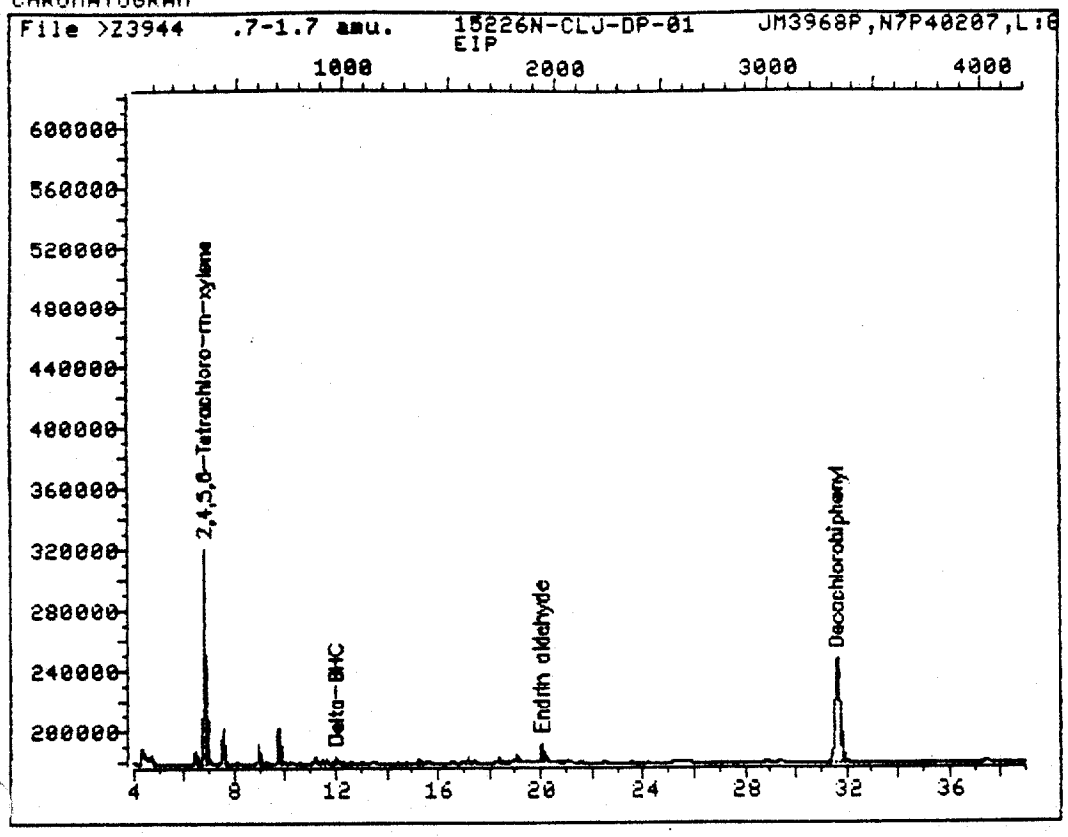
Quant Rev: 7
Quant Time: 940312 17:30
Injected at: 940312 16:49
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYP307::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 940308 07:48
Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.26	692	298879	.234	ug/ml	100
23)	#Decachlorobiphenyl	29.73	3389	372140	.222	ug/ml	100

Compound uses ESTD

CHROMATOGRAM



Data File: >Z3944::D5 Quant Output File: ^Z3944::D5
Name: 15226N-CLJ-DP-01 Instrument ID: Z
Misc: JM3968P,N7P40207,L:G2,25,5:1,

Id File: IZP307::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 940308 07:26 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 940312 17:29
Injected at: 940312 16:49

DL0074
3-14-94

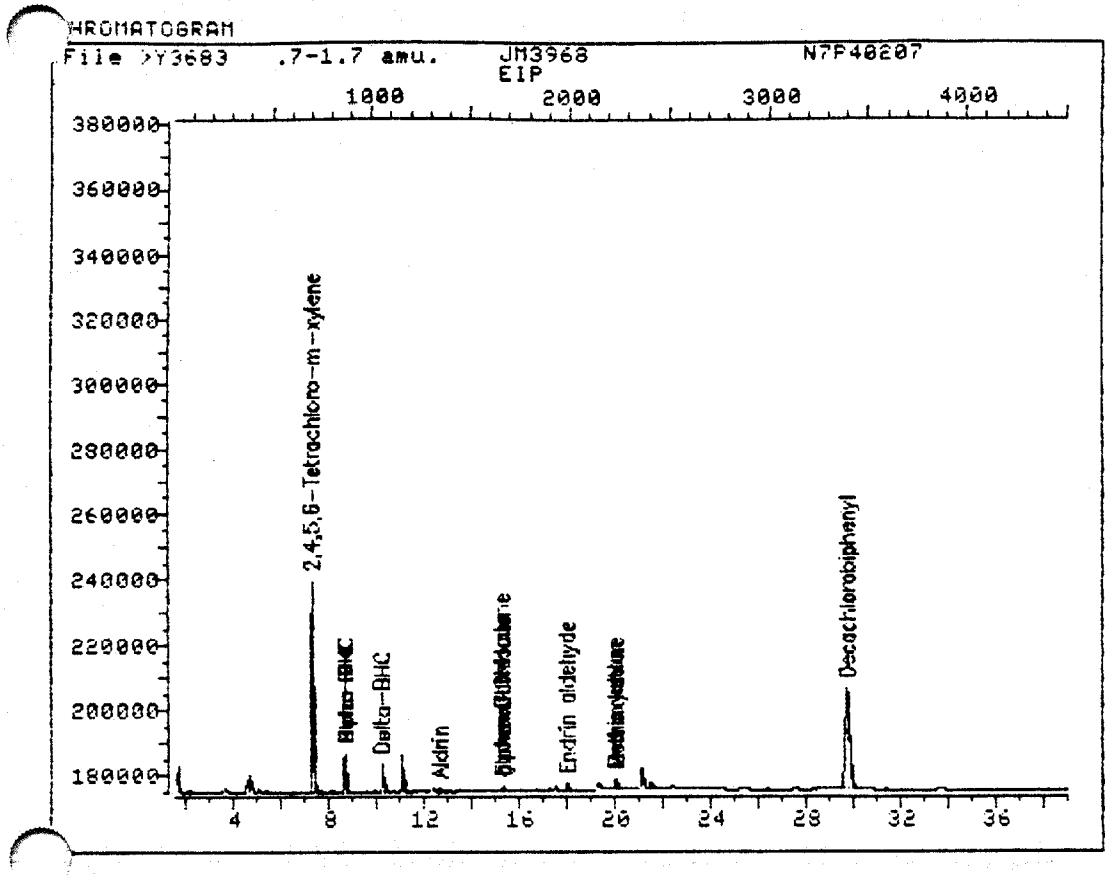
QUANT REPORT

Operator ID: USER1 Quant Rev: 7 Quant Time: 940312 17:29
Output File: ^Z3944::D5 Injected at: 940312 16:49
Data File: >Z3944::D5 Dilution Factor: 1.00000
Name: 15226N-CLJ-DP-01 Instrument ID: Z
Misc: JM3968P,N7P40207,L:G2,25,5:1,

ID File: IZP307::D5
Title: PESTICIDES DB-608 BY GC B2 (FRONT)
Last Calibration: 940308 07:26 Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	6.79	336	629028	.197	ug/ml	100
7)	#Delta-BHC	11.97	957	28511	~~.0120~~	~~ug/ml~~	100
19)	#Endrin aldehyde	20.01	1922	68576	~~.0298~~	~~ug/ml~~	100
23)	#Decachlorobiphenyl	31.58	3311	852626	.202	ug/ml	100

Compound uses ESTD



Data File: >Y3683::D5 Quant Output File: ^Y3683::D5
Name: JM3968 Instrument ID: Y
Misc: N7P40207

Id File: IYP307::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 940308 07:48 Last Qcal Time: <none>

Operator ID: USER1
Quant Time : 940312 18:15
Injected at: 940312 17:34

DL 3-24-94

QUANT REPORT

Operator ID: USER1
Output File: ^Y3683::D5
Data File: >Y3683::D5
Name: JM3968
Misc: N7P40207

Quant Rev: 7
Quant Time: 940312 18:15
Injected at: 940312 17:34
Dilution Factor: 1.00000
Instrument ID: Y

ID File: IYP307::D5
Title: 8080 PESTICIDES BY GC, COLUMN DB-5, ECD, B2R
Last Calibration: 940308 07:48
Last Qcal Time: <none>

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	#2,4,5,6-Tetrachloro-m-xylene	7.26	692	277567	.217	ug/ml	100
2)	#Alpha-BHC	8.67	862	51456	~~.0300~~	ug/ml	100
3)	#Beta-BHC	8.67	862	43136	~~.0496~~	ug/ml	100
6)	#Delta-BHC	10.21	1046	35968	~~.0506~~	ug/ml	100
8)	#Aldrin	12.63	1336	9824	~~.00636~~	ug/ml	100
10)	#gamma-Chlordane	15.25	1651	7744	~~.00443~~	ug/ml	100
11)	#alpha-Chlordane	15.25	1651	7744	~~.00509~~	ug/ml	100
12)	#Endosulfan I	15.25	1651	7744	~~.00509~~	ug/ml	100
[illegible])	#Endrin aldehyde	17.97	1978	10015	~~.00860~~	ug/ml	100
[illegible])	#Endrin ketone	19.99	2220	15520	~~.0103~~	ug/ml	100
22)	#Methoxychlor	19.99	2220	15520	~~.0276~~	ug/ml	100
23)	#Decachlorobiphenyl	29.72	3388	369515	.221	ug/ml	100

Compound uses ESTD

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** Neesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

DW No.: NA

EPA Sample No.	Lab Sample ID.
CLJ-DB-01	JM3967
CLJ-DP-01	JM3968

Were ICP interelement corrections applied? Yes/NO Yes

Were ICP background corrections applied? Yes/NO Yes
If YES - were raw data generated before application of background corrections? Yes/NO No

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: J. Hnatow **Name:** Joseph Hnatow

Date: 5/10/94 **Title:** Operations Manager

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-DB-01

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **Level:** (low/med) Low **Lab Sample ID:** JM3967

% Solids: ____ **Date Received:** 02/28/94

Concentration Units (ug/L or mg/kg dry weight): ug/L — aP per mR/Asc 6-16-94

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	1.4	U		F
7440-39-3	Barium	564			P
7440-41-7	Beryllium				
7440-42-8	Boron				
7440-43-9	Cadmium	67.4			P
7440-47-3	Chromium	10.9			P
7440-48-4	Cobalt				
7439-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	281			P
7439-96-5	Manganese				
7439-97-6	Mercury	0.218			CV
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	~~0.2~~ 8.0	U		P
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-DP-01

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM3968

% Solids: ____ **Date Received:** 02/28/94

Concentration Units (ug/L or mg/kg dry weight): ~~ug~~/L WP per MR/ASC 6-16-94

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	13.4			F
7440-39-3	Barium	775			P
7440-41-7	Beryllium				
7440-42-8	Boron				
7440-43-9	Cadmium	789			P
7440-47-3	Chromium	106			P
7440-48-4	Cobalt				
7439-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	897			P
7439-96-5	Manganese				
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	~~-20.9~~ RLS 8.0	U		P
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0080

Lab Name: *Analytical Services Corp* **Contract:** Weesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Initial Calibration Source: NIST **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	34.4	105	20.5	21.1	103	19.5	95.1	P
Barium	9240	9460	102	4790	4863	101			P
Beryllium									
Boron									
Cadmium	2530	2580	102	1290	1290	100			P
Chromium	973	992	102	487	496	102			P
Cobalt									
Copper									
Iron									
Lead	4680	4730	101	2400	2420	101			P
Manganese									
Mercury	5.0	5.44	109	5.0	5.48	110			CV
Molybdenum									
Nickel									
Selenium									
Silver	1260	1240	98.4	588	595	101			P
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0081

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Initial Calibration Source: APG **Continuing Calibration Source:** APG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium	39.1	38.0	97.2	23.5	23.8	101	25.3	108	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

CRDL STANDARD FOR AA AND ICP (2B)

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

AA CRDL Standard Source: _____ **ICP CRDL Standard Source:** Ventures

Concentration Units: ug/L

ANALYTE	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)
Aluminum								
Antimony								
Arsenic	10.0	8.9	89.0					
Barium				402	402	100	407	101
Beryllium								
Boron								
Cadmium				10.8	10.6	98.1	10.2	94.4
Chromium				21.0	22.3	106	21.8	104
Cobalt								
Copper								
Iron								
Lead				160	141	88.1	144	90
Manganese								
Mercury	0.20	0.24	120					
Molybdenum								
Nickel								
Selenium	5.1	3.8	74.5					
Silver				22.0	19.7	89.5	17.3	78.6
Strontium								
Thallium								
Vanadium								
Zinc								

BLANKS (3)

0083

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic	-1.7	B	-1.2	U	1.7	B			1.9	B	F
Barium	1.3	B	0.4	U					3.5	B	P
Beryllium											
Boron											
Cadmium	-0.1	U	-0.4	U					0.8	U	P
Chromium	0.4	U	-0.9	U					3.5	U	P
Cobalt											
Copper											
Iron											
Lead	0.4	U	-9.4	U					6.7	U	P
Manganese											
Mercury	-.008	U	.065	U					0.128	U	CV
Molybdenum											
Nickel											
Selenium	-1.2	U	-1.1	U	-0.6	U	-1.9	B	-0.5	U	F
Silver	2.2	U	0.7	U					0.2	U	P
Strontium											
Thallium											
Vanadium											
Zinc											

ICP INTERFERENCE CHECK SAMPLE (4) - 0084

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** NA

ICP ID #: 61 **ISC Source:** Ventura

Concentration Units: ug/L

ANALYTE	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic								
Barium	ϕ	471	1.7	472	100	1.6	478	101
Beryllium								
Boron								
Cadmium	ϕ	874	-5.9	901	103	-6.2	898	103
Chromium	ϕ	462	-4.5	468	101	-5.0	468	101
Cobalt								
Copper								
Iron								
Lead	ϕ	883	-57.7	857	97.1	-42.7	841	95.2
Manganese								
Mercury								
Molybdenum								
Nickel								
Selenium								
Silver	ϕ	923	-7.3	901	97.6	-4.6	904	97.9
Strontium								
Thallium								
Vanadium								
Zinc								

SPIKE SAMPLE RECOVERY (5A)

Lab Name: *Analytical Services Corp* **Contract:** Neesa **EPA Sample #:** CLJ-DB-01

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **Level** (low/med): Low **% Solids for Sample:** _____

Concentration Units (ug/L or mg/kg dry weight): ~~ug~~/L

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	40.0		18.9		20.0	106		F
Barium	75-125	9830		564		10400	89.1		P
Beryllium									
Boron									
Cadmium	75-125	1010		67.4		1050	89.8		P
Chromium	75-125	4900		10.9		5430	90.0		P
Cobalt									
Copper									
Iron									
Lead	75-125	4896		281		5210	88.6		P
Manganese									
Mercury	75-125	2.08		0.218		2.0	93.1		CV
Molybdenum									
Nickel									
Selenium	75-125	10.7		~~10.8~~ -1.2	U	20.0	53.5	N	F
Silver	75-125	88.5		0.2	U	93.5	94.7		P
Strontium									
Thallium									
Vanadium									
Zinc									

COMMENTS: _____

DUPLICATES (6)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** CLJ-DB-c

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **% Solids for Sample:** ____

Level (low/med): LOW **% Solids for Duplicate:** ____

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT	SAMPLE (S)	C	DUPLICATE (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic	20	18.9		18.0		4.9		F
Barium	20	564		581		3.0		P
Beryllium								
Boron								
Cadmium	20	67.4		69.8		3.5		P
Chromium		10.9		12.9		16.8		P
Cobalt								
Copper								
Iron								
Lead	20	282		292		3.5		P
Manganese								
Mercury	20	.218		.232		6.2		CV
Molybdenum								
Nickel								
Selenium		-1.2	U	0.1	U			F
Silver		0.2	U	-1.7	U			P
Strontium								
Thallium								
Vanadium								
Zinc								

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

SBLK1

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: N7C40202

Sample wt/vol: 200 (g/mL) mL Lab File ID: D8091

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 3/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	100	U
106-44-5---	4-Methylphenol	100	U
67-72-1----	Hexachloroethane	100	U
98-95-3----	Nitrobenzene	100	U
87-68-3----	Hexachlorobutadiene	100	U
88-06-2----	2,4,6-Trichlorophenol	100	U
95-95-4----	2,4,5-Trichlorophenol	100	U
121-14-2---	2,4-Dinitrotoluene	100	U
118-74-1---	Hexachlorobenzene	100	U
87-86-5----	Pentachlorophenol	100	U
110-86-1---	Pyridine	100	U
72-43-5----	Methoxychlor	100	U
58-89-9----	gamma-BHC (Lindane)	100	U

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

SBLK1BS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: N7C402026S

Sample wt/vol: 200 (g/mL) mL Lab File ID: D8092

% Moisture: NA decanted: (Y/N) NA Date Received: 2/23/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: _____ (uL) Date Analyzed: 3/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	186	
106-44-5---	4-Methylphenol	499	
67-72-1----	Hexachloroethane	488	
98-95-3----	Nitrobenzene	395	
87-68-3----	Hexachlorobutadiene	179	
88-06-2----	2,4,6-Trichlorophenol	684	
95-95-4----	2,4,5-Trichlorophenol	648	
121-14-2---	2,4-Dinitrotoluene	190	
118-74-1---	Hexachlorobenzene	267	
87-86-5----	Pentachlorophenol	1160	
110-86-1---	Pyridine	478	
72-43-5----	Methoxychlor	873	
58-89-9----	gamma-BHC (Lindane)	244	

EPA SAMPLE NO. 0089

ORGANICS ANALYSIS DATA SHEET

CLJ-DB01MS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967MS

Sample wt/vol: 200 (g/mL) mL Lab File ID: D8087

% Moisture: NA decanted: (Y/N) NA Date Received: 2/26/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 200 (uL) Date Analyzed: 3/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	207	
106-44-5---	4-Methylphenol	543	
67-72-1----	Hexachloroethane	301	
98-95-3----	Nitrobenzene	414	
87-68-3----	Hexachlorobutadiene	914	
88-06-2----	2,4,6-Trichlorophenol	772	
95-95-4----	2,4,5-Trichlorophenol	759	
121-14-2---	2,4-Dinitrotoluene	237	
118-74-1---	Hexachlorobenzene	257	
87-86-5----	Pentachlorophenol	1520	
110-86-1---	Pyridine	515	
72-43-5----	Methoxychlor	939	
58-89-9----	gamma-BHC (Lindane)	284	

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01MSD

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967CR

Sample wt/vol: 200 (g/mL) mL Lab File ID: D8088

% Moisture: NA decanted: (Y/N) NA Date Received: 2/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 3/5/94

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 3/10/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	192	
106-44-5---	4-Methylphenol	516	
67-72-1----	Hexachloroethane	335	
98-95-3----	Nitrobenzene	390	
87-68-3----	Hexachlorobutadiene	102	
88-06-2----	2,4,6-Trichlorophenol	716	
95-95-4----	2,4,5-Trichlorophenol	683	
121-14-2---	2,4-Dinitrotoluene	217	
118-74-1---	Hexachlorobenzene	247	
87-86-5----	Pentachlorophenol	1390	
110-86-1---	Pyridine	493	
72-43-5----	Methoxychlor	913	
58-89-9----	gamma-BHC (Lindane)	259	

EPA SAMPLE NO: 0091

ORGANICS ANALYSIS DATA SHEET

CLJ-DB-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967

Sample wt/vol: 200 (g/mL) mL Lab File ID: D8089

% Moisture: NA decanted: (Y/N) NA Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/05/94

Concentrated Extract Volume: 2000 (uL) Date Analyzed: / /94

Injection Volume: ~~1.0~~ 2.0 (uL) DA Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	100	U
106-44-5---	4-Methylphenol	100	U
67-72-1----	Hexachloroethane	100	U
98-95-3----	Nitrobenzene	100	U
87-68-3----	Hexachlorobutadiene	100	U
88-06-2----	2,4,6-Trichlorophenol	100	U
95-95-4----	2,4,5-Trichlorophenol	100	U
121-14-2---	2,4-Dinitrotoluene	100	U
118-74-1---	Hexachlorobenzene	100	U
87-86-5----	Pentachlorophenol	100	U
110-86-1---	Pyridine	100	U
72-43-5----	Methoxychlor	100	U
58-89-9----	gamma-BHC (Lindane)	100	U

EPA SAMPLE NO.

ORGANICS ANALYSIS DATA SHEET

CLJ-DP-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3968

Sample wt/vol: 400 (g/mL) mL Lab File ID: D8090

% Moisture: NA decanted: (Y/N) NA Date Received: 02/28/94

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 03/05/94

Concentrated Extract Volume: 4000 (uL) Date Analyzed: 03/10/94

Injection Volume: ~~1.0~~ 2.0 (uL) TA Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7----	2-Methylphenol	100	U
106-44-5---	4-Methylphenol	100	U
67-72-1----	Hexachloroethane	100	U
98-95-3----	Nitrobenzene	100	U
87-68-3----	Hexachlorobutadiene	100	U
88-06-2----	2,4,6-Trichlorophenol	100	U
95-95-4----	2,4,5-Trichlorophenol	100	U
121-14-2---	2,4-Dinitrotoluene	100	U
118-74-1---	Hexachlorobenzene	100	U
87-86-5----	Pentachlorophenol	100	U
110-86-1---	Pyridine	100	U
72-43-5----	Methoxychlor	100	U
58-89-9----	gamma-BHC (Lindane)	100	U

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SB1K1	90.3	87.3	45.5	89.5	87.3	98.4			0
02	SB1K1BS	75.1	60.5	74.9	71.0	71.9	84.9			0
03	CLJ-DB-01	79.3	77.7	83.2	81.7	77.2	90.5			0
04	CLJ-DB-01MS	81.3	64.5	89.6	78.6	76.3	93.7			0
05	CLJ-DB-01MSD	75.8	60.9	81.0	74.0	73.0	85.7			0
06	CLJ-DP-01	74.8	77.8	77.8	65.0	73.3	94.4			0
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-1

SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.:

Blank Spike - EPA Sample No.: SBIKIBS

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC LIMITS REC.
2,4,5-Trichlorophenol	100750	0	65000	64.3	30-130
2,4,6-Trichlorophenol	103000	0	68500	66.4	30-130
2,4-Dinitrotoluene	25750	0	18950	73.8	24- 96
2-Methylphenol	26250	0	18600	70.9	30-130
4-Methylphenol	50750	0	49900	98.3	30-130
Hexachlorobenzene	29250	0	26700	91.3	30-130
Hexachlorobutadiene	27500	0	17900	65.1	30-130
Hexachloroethane	100750	0	48800	48.4	30-130
Nitrobenzene	50750	0	39500	77.8	30-130
Pentachlorophenol	102000	0	116500	* 114	9-103
Pyridine	73250	0	47800	65.3	30-130

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

* Values outside of QC limits

Spike Recovery: 1 out of 11 outside limits

COMMENTS:

SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.:

Matrix Spike - EPA Sample No.: CLJ-DB-01MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
2,4,5-Trichlorophenol	100750	0	76000	75.3	30-130
2,4,6-Trichlorophenol	103000	0	77000	75.0	30-130
2,4-Dinitrotoluene	25750	0	23700	92.0	24- 96
2-Methylphenol	26250	0	20700	78.9	30-130
4-Methylphenol	50750	0	54500	107	30-130
Hexachlorobenzene	29250	0	25700	87.9	30-130
Hexachlorobutadiene	27500	0	9150	33.2	30-130
Hexachloroethane	100750	0	30100	* 29.9	30-130
Nitrobenzene	50750	0	41400	81.6	30-130
Pentachlorophenol	102000	0	152000	* 149	9-103
Pyridine	73250	0	51500	70.3	30-130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4,5-Trichlorophenol	100750	68500	68.0	10.5		30-130
2,4,6-Trichlorophenol	103000	71500	69.4	7.53		30-130
2,4-Dinitrotoluene	25750	21700	84.3	8.81		24- 96
2-Methylphenol	26250	19200	73.1	7.52		30-130
4-Methylphenol	50750	51600	102	5.10		30-130
Hexachlorobenzene	29250	24700	84.4	3.97		30-130
Hexachlorobutadiene	27500	10150	36.9	10.6		30-130
Hexachloroethane	100750	33500	33.3	10.7		30-130
Nitrobenzene	50750	39050	76.9	5.97		30-130
Pentachlorophenol	102000	138500	* 135.8	8.93		9-103
Pyridine	73250	49300	67.3	4.37		30-130

\# Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID: D8091 Lab Sample ID: N7C40202

Instrument ID: MSD-D Date Extracted: 03-04-94

Matrix: (soil/water) Tcl Fluid Date Analyzed: 03-10-94

Level: (low/med) Low Time Analyzed: 2004

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1	N7C40202	D8091	03-10-94
02	SBLKLBS	N7C40202	D8092	03-10-94
03	CLJ-DB-01	JM3967	D8089	03-10-94
04	CLJ-DB-01MS	JM3967MS	D8087	03-10-94
05	CLJ-DB-01MSD	JM3967MSD	D8088	03-10-94
06	CLJ-DP-01	JM3968	D8090	03-10-94
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID: D8005 DFTPP Injection Date: 07-07-94

Instrument ID: MSD-D DFTPP Injection Time: 0716

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	59.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	40.5
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.0
275	10.0 - 30.0% of mass 198	23.6
365	Greater than 0.75% of mass 198	3.4
441	Present, but less than mass 443	71.2
442	40.0 - 110.0% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.6 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SStd20	SStd20	D8007	03-07-94	1323
02	SStd50	SStd50	D8008	03-07-94	1417
03	SStd80	SStd80	D8009	03-07-94	1511
04	SStd120	SStd120	D8010	03-07-94	1604
05	SStd160	SStd160	D8011	03-07-94	1658
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID: D8080 DFTPP Injection Date: 03-10-94

Instrument ID: MSD-D DFTPP Injection Time: 1151

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	63.8
68	Less than 2.0% of mass 69	0.4 (0.5) 1
69	Mass 69 relative abundance	72.3
70	Less than 2.0% of mass 69	0.2 (0.3) 1
127	25.0 - 75.0% of mass 198	41.3
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	24.1
365	Greater than 0.75% of mass 198	3.0
441	Present, but less than mass 443	70.6
442	40.0 - 110.0% of mass 198	108.7
443	15.0 - 24.0% of mass 442	21.5 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SStd50	SStd50	D8081	03-10-94	1214
02	SB1K1	N7C40202	D8091	03-10-94	2004
03	SB1K1BS	N7C40202	D8092	03-10-94	2048
04	CLJ-DB-01	JM3967	D8089	03-10-94	1836
05	CLJ-DB-01MS	JM3967MS	D8087	03-10-94	1709
06	CLJ-DB-01MSD	JM3967MSD	D8088	03-10-94	1753
07	CLJ-DP-01	JM3968	D8090	03-10-94	1920
08					
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6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-D Calibration Date(s): 02-08-94 03-07-94

Calibration Times: 11:52 16:58

LAB FILE ID: RRF20 = D8007 RRF50 = D8008
RRF80 = D8009 RRF120= D8010 RRF160= D8011

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.75	1.70	1.72	1.60	1.52	1.66	5.82
bis(2-Chloroethyl)ether *	3.66	3.60	3.42	3.20	3.02	3.38	7.91
2-Chlorophenol *	1.34	1.35	1.30	1.26	1.24	1.30	3.51
1,3-Dichlorobenzene *	1.43	1.45	1.30	1.33	1.35	1.37	4.71
1,4-Dichlorobenzene *	1.51	1.48	1.53	1.33	1.33	1.43	6.95
1,2-Dichlorobenzene *	1.37	1.29	1.20	1.08	1.08	1.20	10.5
2-Methylphenol *	1.23	1.18	1.09	1.10	1.07	1.13	5.96
2,2'-oxybis(1-Chloropropane)	3.31	3.23	3.18	3.06	2.95	3.14	4.53
4-Methylphenol *	1.411	1.39	1.38	1.29	1.23	1.34	5.73
N-Nitroso-di-n-propylamine *	1.22	1.19	1.13	0.999	0.922	1.09	11.7
Hexachloroethane *	0.680	0.687	0.648	0.622	0.624	0.652	4.65
Nitrobenzene *	0.451	0.441	0.411	0.367	0.374	0.409	9.28
Isophorone *	0.978	0.951	0.890	0.809	0.791	0.884	9.40
2-Nitrophenol *	0.211	0.214	0.199	0.185	0.182	0.198	7.29
2,4-Dimethylphenol *	0.401	0.398	0.372	0.334	0.324	0.366	9.70
bis(2-Chloroethoxy)methane *	0.571	0.534	0.498	0.453	0.441	0.499	10.9
2,4-Dichlorophenol *	0.281	0.292	0.277	0.252	0.243	0.269	7.72
1,2,4-Trichlorobenzene *	0.325	0.318	0.294	0.264	0.269	0.294	9.36
Naphthalene *	1.04	0.980	0.878	0.784	0.777	0.891	12.9
4-Chloroaniline	0.397	0.531	0.511	0.461	0.456	0.471	11.1
Hexachlorobutadiene	0.199	0.199	0.181	0.167	0.169	0.183	8.52
4-Chloro-3-methylphenol *	0.375	0.388	0.373	0.347	0.343	0.365	5.34
2-Methylnaphthalene *	0.659	0.637	0.575	0.503	0.485	0.572	13.6
Hexachlorocyclopentadiene	0.021	0.072	0.087	0.105	0.114	0.08	46.6
2,4,6-Trichlorophenol *	0.348	0.354	0.327	0.307	0.297	0.327	7.68
2,4,5-Trichlorophenol *	0.369	0.369	0.309	0.268	0.258	0.315	17.0
2-Chloronaphthalene *	1.06	0.994	0.867	0.783	0.741	0.889	15.3
2-Nitroaniline	0.426	0.477	0.441	0.420	0.414	0.436	5.79
Dimethylphthalate	1.51	1.42	1.26	1.13	1.09	1.28	14.0
Acenaphthylene *	1.67	1.57	1.42	1.25	1.20	1.42	14.4
2,6-Dinitrotoluene *	0.339	0.352	0.334	0.306	0.301	0.326	6.78
3-Nitroaniline	0.247	0.268	0.282	0.281	0.287	0.273	5.98
Acenaphthene *	1.14	1.06	0.903	0.762	0.712	0.915	20.1
2,4-Dinitrophenol		0.050	0.063	0.077	0.093	0.071	26.4
4-Nitrophenol		0.059	0.070	0.082	0.094	0.076	20.1
Dibenzofuran *	1.59	1.45	1.25	1.05	0.977	1.26	20.6
2,4-Dinitrotoluene *	0.435	0.477	0.424	0.361	0.350	0.409	13.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-D Calibration Date(s): 02-08-94 03-07-94

Calibration Times: 11:52 16:58

LAB FILE ID: RRF20 = D8007 RRF50 = D8008
RRF80 = D8009 RRF120= D8010 RRF160= D8010

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	%RSD
Diethylphthalate	1.69	1.56	1.37	1.17	1.14	1.39	17.1
4-Chlorophenyl-phenylether *	0.675	0.629	0.547	0.482	0.458	0.558	16.7
Fluorene *	1.28	1.16	1.00	0.852	0.810	1.02	19.5
4-Nitroaniline	0.263	0.271	0.241	0.226	0.266	0.241	11.6
4,6-Dinitro-2-methylphenol	0.174	0.129	0.125	0.117	0.119	0.112	19.8
N-Nitrosodiphenylamine (1)	0.568	0.502	0.434	0.366	0.346	0.444	21.1
4-Bromophenyl-phenylether *	0.283	0.261	0.232	0.203	0.193	0.235	16.1
Hexachlorobenzene *	0.396	0.383	0.322	0.282	0.264	0.325	17.0
Pentachlorophenol *		0.079	0.069	0.091	0.112	0.093	15.3
Phenanthrene *	1.16	1.02	0.896	0.759	0.735	0.913	19.5
Anthracene *	1.14	1.07	0.927	0.818	0.781	0.946	16.3
Carbazole	0.967	0.981	0.831	0.731	0.736	0.849	14.3
Di-n-butylphthalate	1.97	1.74	1.46	1.21	1.17	1.51	22.9
Fluoranthene *	1.18	1.16	0.975	0.825	0.827	0.993	17.3
Pyrene *	1.40	1.24	1.16	1.01	0.878	1.14	17.9
Butylbenzylphthalate	0.851	0.721	0.625	0.525	0.468	0.638	24.0
3,3'-Dichlorobenzidine	0.399	0.454	0.397	0.379	0.360	0.398	8.78
Benzo(a)anthracene *	1.16	1.13	1.06	0.995	0.968	1.06	7.87
Chrysene *	1.10	1.10	0.948	0.938	0.929	1.01	8.27
bis(2-Ethylhexyl)phthalate	1.29	1.18	1.07	0.929	0.855	1.07	16.8
Di-n-octylphthalate	2.10	1.77	1.79	1.63	1.49	1.76	13.0
Benzo(b)fluoranthene *	1.20	1.06	1.09	0.899	0.922	1.03	12.0
Benzo(k)fluoranthene *	1.31	1.26	1.12	1.15	1.03	1.18	9.43
Benzo(a)pyrene *	0.948	0.964	0.917	0.863	0.845	0.907	5.70
Indeno(1,2,3-cd)pyrene *	0.751	0.891	0.833	0.820	0.818	0.823	6.05
Dibenz(a,h)anthracene *	0.545	0.739	0.668	0.668	0.674	0.663	9.38
Benzo(g,h,i)perylene *	0.561	0.716	0.653	0.655	0.663	0.650	8.59
Nitrobenzene-d5	0.432	0.454	0.410	0.385	0.388	0.414	7.08
2-Fluorobiphenyl *	1.21	1.06	0.855	0.704		0.955	23.1
Terphenyl-d14 *	1.11	0.904	0.912	0.794	0.687	0.900	18.5
Phenol-d5 *	1.55	1.59	1.53	1.46	1.40	1.51	5.04
2-Fluorophenol *	1.24	1.25	1.23	1.19	1.18	1.22	2.66
2,4,6-Tribromophenol	0.268	0.291	0.274	0.246	0.247	0.265	7.19
2-Chlorophenol-d4 *							
1,2-Dichlorobenzene-d4 *							

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-D Calibration Date: 03-10-94 Time: 12:14

Lab File ID: D8081 Init. Calib. Date(s): 02-08-94 03-07-94

Init. Calib. Times: 11:52 16:58

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.66	1.77	0.800	6.80	25.0
bis(2-Chloroethyl)ether	3.38	3.62	0.700	7.20	25.0
2-Chlorophenol	1.30	1.32	0.800	1.50	25.0
1,3-Dichlorobenzene	1.37	1.34	0.600	2.80	25.0
1,4-Dichlorobenzene	1.43	1.55	0.500	8.40	25.0
1,2-Dichlorobenzene	1.20	1.26	0.400	5.10	25.0
2-Methylphenol	1.13	1.38	0.700	21.6	25.0
2,2'-oxybis(1-Chloropropane)	3.14	4.40		40.0	
4-Methylphenol	1.34	1.47	0.600	9.30	25.0
N-Nitroso-di-n-propylamine	1.09	1.32	0.500	20.9	25.0
Hexachloroethane	0.652	0.720	0.300	10.5	25.0
Nitrobenzene	0.413	0.473	0.200	14.4	25.0
Isophorone	0.884	1.04	0.400	17.9	25.0
2-Nitrophenol	0.198	0.226	0.100	14.2	25.0
2,4-Dimethylphenol	0.366	0.406	0.200	11.0	25.0
bis(2-Chloroethoxy)methane	0.499	0.576	0.300	15.4	25.0
2,4-Dichlorophenol	0.269	0.298	0.200	10.8	25.0
1,2,4-Trichlorobenzene	0.294	0.325	0.200	10.4	25.0
Napnthalene	0.891	1.04	0.700	17.1	25.0
4-Chloroaniline	0.471	0.428		10.1	
Hexachlorobutadiene	0.183	0.217		18.8	
4-Chloro-3-methylphenol	0.365	0.400	0.200	9.6	25.0
2-Methylnaphthalene	0.572	0.636	0.400	11.2	25.0
Hexachlorocyclopentadiene	0.080	0.095		19.3	
2,4,6-Trichlorophenol	0.327	0.353	0.200	8.00	25.0
2,4,5-Trichlorophenol	0.315	0.358	0.200	13.9	25.0
2-Chloronaphthalene	0.889	0.986	0.300	10.9	25.0
2-Nitroaniline	0.436	0.497		14.1	
Dimethylphthalate	1.28	1.40		9.20	
Acenaphthylene	1.42	1.57	1.300	10.5	25.0
2,6-Dinitrotoluene	0.326	0.365	0.200	11.9	25.0
3-Nitroaniline	0.273	0.297		8.70	
Acenaphthene	0.915	1.06	0.800	16.2	25.0
2,4-Dinitrophenol	0.071	0.068		3.3	
4-Nitrophenol	0.076	0.050		34.6	
Dibenzofuran	1.26	1.47	0.800	16.7	25.0
2,4-Dinitrotoluene	0.409	0.475	0.200	16.1	25.0

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-D Calibration Date: 03-10-94 Time: 12:14

Lab File ID: D8081 Init. Calib. Date(s): 02-08-94 03-07-94

Init. Calib. Times: 11:52 16:58

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.39	1.62		16.9	
4-Chlorophenyl-phenylether	0.558	0.654	0.400	17.1	25.0
Fluorene	1.02	1.23	0.900	21.0	25.0
4-Nitroaniline	0.241	0.271		12.4	
4,6-Dinitro-2-methylphenol	0.113	0.135		19.7	
N-Nitrosodiphenylamine (1)	0.444	0.522		17.6	
4-Bromophenyl-phenylether	0.235	0.257	0.100	9.50	25.0
Hexachlorobenzene	0.325	0.349	0.100	7.30	25.0
Pentachlorophenol	0.093	0.092	0.050	0.500	25.0
Phenanthrene	0.913	1.09	0.700	19.8	25.0
Anthracene	0.946	1.09	0.700	14.7	25.0
Carbazole	0.849	0.983		15.8	
Di-n-butylphthalate	1.51	1.78		17.7	
Fluoranthene	0.993	1.13	0.600	13.7	25.0
Pyrene	1.14	1.38	0.600	21.4	25.0
Butylbenzylphthalate	0.638	0.801		25.6	
3,3'-Dichlorobenzidine	2.25	2.84		26.3	
Benzo(a)anthracene	1.06	1.16	0.800	9.00	25.0
Chrysene	1.01	1.14	0.700	12.0	25.0
bis(2-Ethylhexyl)phthalate	1.07	1.35		27.1	
Di-n-octylphthalate	1.76	2.25		28.2	
Benzo(b)fluoranthene	1.03	1.05	0.700	1.90	25.0
Benzo(k)fluoranthene	1.18	1.37	0.700	16.4	25.0
Benzo(a)pyrene	0.907	0.989	0.700	9.00	25.0
Indeno(1,2,3-cd)pyrene	0.823	0.975	0.500	18.5	25.0
Dibenz(a,h)anthracene	0.663	0.794	0.400	19.9	25.0
Benzo(g,h,i)perylene	0.650	0.778	0.500	19.7	25.0
Nitrobenzene-d5	0.413	0.473	0.200	14.4	25.0
2-Fluorobiphenyl	0.955	1.01	0.700	5.7	25.0
Terphenyl-d14	0.900	1.09	0.500	20.9	25.0
Phenol-d5	1.51	1.59	0.800	5.50	25.0
2-Fluorophenol	1.22	1.22	0.600	0.00	25.0
2,4,6-Tribromophenol	0.265	0.286		7.80	
2-Chlorophenol-d4			0.800		25.0
1,2-Dichlorobenzene-d4			0.400		25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID (Standard): D8081 Date Analyzed: 03-10-94

Instrument ID: MSD-D Time Analyzed: 1214

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT
	12 HOUR STD	28947	10.50	109923	13.07	77172	17.00
	UPPER LIMIT	57894	11.00	219846	13.57	154344	17.50
	LOWER LIMIT	14473	10.00	54961	12.57	38586	16.50
	EPA SAMPLE NO.						
01	SBIK1	23885	10.47	88941	13.06	59021	16.98
02	SBIK-BS	30315	10.47	108380	13.06	69631	16.98
03	CLJ-DB-01	25344	10.49	97244	13.06	66309	16.98
04	CLJ-DB-01 MS	29520	10.48	104787	13.06	68253	16.98
05	CLJ-DB-01 MSD	29982	10.48	108349	13.04	70269	16.99
06	CLJ-DP-01	26391	10.47	98825	13.06	64561	16.98
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID (Standard): D8081 Date Analyzed: 03-10-94

Instrument ID: MSD-D Time Analyzed: 1214

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	135369	20.38	108995	26.74	103478	32.51
	UPPER LIMIT	270738	20.89	217990	27.24	206956	33.01
	LOWER LIMIT	67684	19.88	54497	26.24	51739	32.01
	EPA SAMPLE NO.						
01	SBLK1	103863	20.36	96275	26.71	97659	32.49
02	SBLK1BS	122863	20.36	114375	26.72	111448	32.49
03	CLJ-DB-01	112325	20.36	111421	26.72	113986	32.49
04	CLJ-DB-01MS	122546	20.37	110482	26.72	106743	32.52
05	CLJ-DB-01MSD	126617	20.37	115531	26.73	112792	32.50
06	CLJ-DP-01	112351	20.36	107968	26.72	108580	32.47
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Data File: /chem/a900.i/d031094.b/d8089.d
Report Date: 11-Mar-1994 06:40

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/a900.i/d031094.b/d8089.d
Lab. Id. : Quant Type: ISTD
Inj Date : 10-MAR-94 18:36 Autotune Date: {
Operator : Tom Inst ID: a900.i
Smp Info : 15226N CLJ-DB-01
Misc Info : JM3967C,N7C40202,L:M1,200,2:1, BTL#1
Comment :
Method : /chem/a900.i/d031094.b/bnaclpd.m
Meth Date : 10-Mar-1994 13:07
Cal Date : 10-MAR-94 12:14 Cal File: d8081.d
Als bottle: 0
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

TS 3-17-94

Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
2-Fluorophenol	112.00	8.420	(0.802)	150350	195	97.3(AR)
$ 4 Phenol-d5	99.00	9.816	(0.936)	182744	181	90.7(AR)
* 9 1,4-Dichlorobenzene-d4	152.00	10.492	(1.000)	25344	40.0	
$ 17 Nitrobenzene-d5	82.00	11.574	(0.886)	114389	99.4	49.7(R)
* 25 Naphthalene-d8	136.00	13.061	(1.000)	97244	40.0	
$ 35 2-Fluorobiphenyl	172.00	15.359	(0.904)	166222	99.5	49.7(R)
* 42 Acenaphthene-d10	164.00	16.981	(1.000)	66209	40.0	
$ 54 2,4,6-Tribromophenol	330.00	18.783	(1.106)	108444	229	114(AQR)
55 4-Bromophenyl-phenylether	248.00	18.783	(0.923)	5205	6.97	~~3.48(TaQ)~~
* 59 Phenanthrene-d10	188.00	20.361	(1.000)	116325	40.0	
$ 67 Terphenyl-d14	244.00	23.853	(0.893)	140306	46.3	23.2
* 73 Chrysene-d12	240.00	26.716	(1.000)	111421	40.0	
* 79 Perylene-d12	264.00	32.489	(1.000)	113986	40.0	

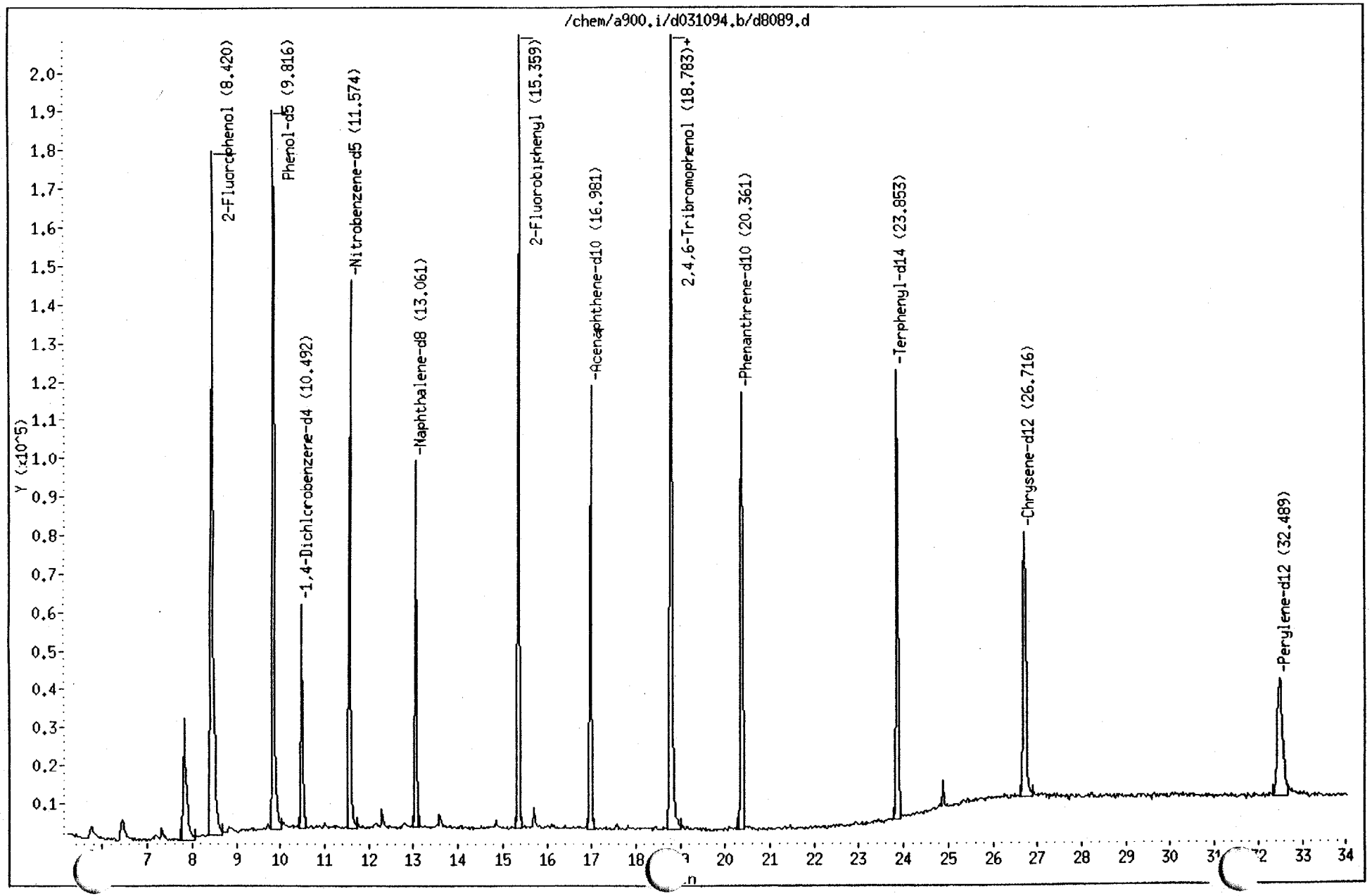
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

0106

Data File: /chem/a900.i/d031094.b/d8089.d
Date : 10-MAR-94 18:36
Instrument : a900.i
Sample ID :
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25



Data File: /chem/a900.i/d031094.b/d8090.d
Report Date: 11-Mar-1994 06:41

Analytical Services Corp.

BASE NEUTRAL QUANT AND RATIO REPORT

Data file : /chem/a900.i/d031094.b/d8090.d
Lab. Id. : Quant Type: ISTD
Inj Date : 10-MAR-94 19:20 Autotune Date: {
Operator : Tom Inst ID: a900.i
Smp Info : 15226N CLJ-DP-01
Misc Info : JM3968C,N7C40202,L:M1,400,4:1, BTL#1
Comment :
Method : /chem/a900.i/d031094.b/bnaclpd.m
Meth Date : 10-Mar-1994 13:07
Cal Date : 10-MAR-94 12:14 Cal File: d8081.d
Als bottle: 0
Dil Factor: 1.000 Target Version: Target 3.00
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: WATER

3-19-94

	Compounds	QUANT SIG MASS	RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
	3 2-Fluorophenol	112.00	8.420	(0.804)	148516	185	92.3(AR)
$	4 Phenol-d5	99.00	9.817	(0.938)	151121	144	72.1(R)
	5 Phenol	94.00	9.839	(0.940)	113229	97.0	48.5
	6 bis(2-Chloroethyl)ether	93.00	9.839	(0.940)	2725	1.14	~~0.573(aQ)~~
*	9 1,4-Dichlorobenzene-d4	152.00	10.470	(1.000)	26391	40.0	
$	17 Nitrobenzene-d5	82.00	11.575	(0.886)	109602	93.8	46.9(R)
*	25 Naphthalene-d8	136.00	13.062	(1.000)	98825	40.0	
$	35 2-Fluorobiphenyl	172.00	15.361	(0.904)	162251	99.6	49.8(R)
*	42 Acenaphthene-d10	164.00	16.983	(1.000)	64561	40.0	
	53 N-Nitrosodiphenylamine	169.00	18.335	(0.900)	4707	3.21	1.60(a)
$	54 2,4,6-Tribromophenol	330.00	18.786	(1.106)	110055	238	119(AQR)
	55 4-Bromophenyl-phenylether	248.00	18.786	(0.923)	5379	7.46	~~3.73(aQ)~~
*	59 Phenanthrene-d10	188.00	20.364	(1.000)	112351	40.0	
$	67 Terphenyl-d14	244.00	23.857	(0.894)	127236	43.3	21.7
	70 bis(2-Ethylhexyl)phthalate	149.00	26.247	(0.983)	74263	20.3	10.2
*	73 Chrysene-d12	240.00	26.698	(1.000)	107968	40.0	
	75 Di-n-octylphthalate	149.00	28.141	(0.867)	1916	0.314	~~0.157(a)~~
*	79 Perylene-d12	264.00	32.471	(1.000)	108580	40.0	

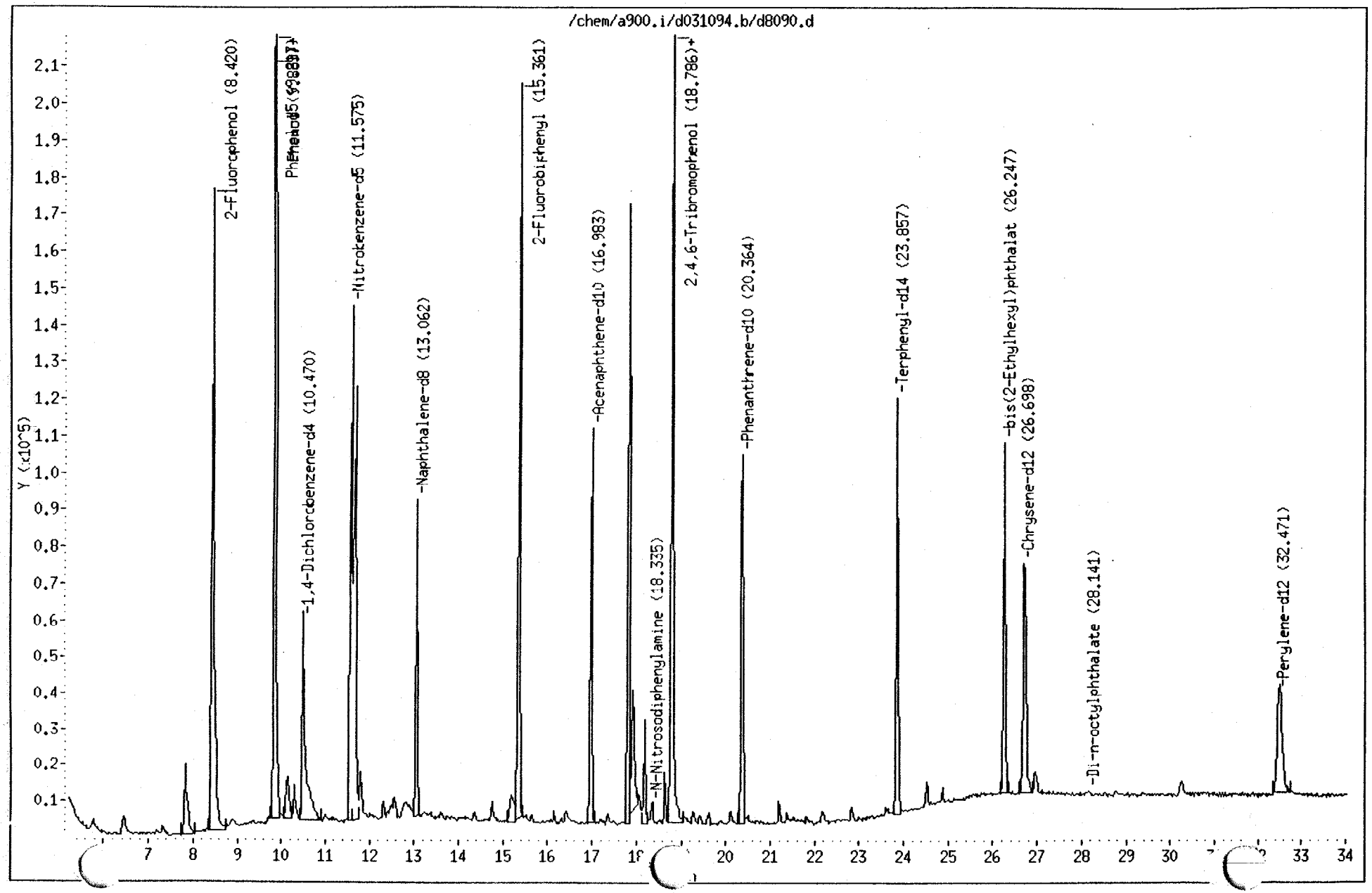
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

0108

Data File: /chem/a900.i/d031094.b/d8090.d
Date : 10-MAR-94 19:20
Instrument : a900.i
Sample ID :
Column phase : J&W DB-5
Volume Injected (uL) : 2.0

Column diameter : 0.25



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: NV3388V

Sample wt/vol: 300 (g/mL) mL Lab File ID: B3106

Level: (low/med) NA Date Received: 2-23-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	125	U
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	125	U
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	125	U
107-06-2	1,2-Dichloroethane	125	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	125	U
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	125	U
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	125	U
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	125	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	125	U
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	125	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE No.: 0110

VSPK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: NV33881VS

Sample wt/vol: 300 (g/mL) mL Lab File ID: B3107

Level: (low/med) NA Date Received: 2-28-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	2230	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	2330	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	2630	
107-06-2	1,2-Dichloroethane	2710	
78-93-3	2-Butanone	4390	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	2480	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	2440	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	2420	
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	2330	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	2450	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	2320	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLW-DB-01MS

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967VS

Sample wt/vol: 300 (g/mL) mL Lab File ID: B3109

Level: (low/med) NA Date Received: 2-28-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	2160	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	2340	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	2640	
107-06-2	1,2-Dichloroethane	2700	
78-93-3	2-Butanone	4180	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	2620	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	2500	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	2470	
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	2360	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	2450	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	2370	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJ-DB-01MSD

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967VR

Sample wt/vol: 300 (g/mL) mL Lab File ID: B3110

Level: (low/med) NA Date Received: 2-28-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	2080	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	2320	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	2580	
107-06-2	1,2-Dichloroethane	2650	
78-93-3	2-Butanone	3960	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	2600	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	2490	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	2520	
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	2380	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	2440	
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	2350	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 0113

CLJ-DB-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM3967V

Sample wt/vol: 300 (g/mL) mL Lab File ID: B3108

Level: (low/med) NA Date Received: 2-28-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	125	U
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	125	U
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	125	U
107-06-2	1,2-Dichloroethane	125	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	125	U
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	125	U
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	125	U
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	125	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	125	U
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	125	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CLJ-DP-01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: JM2968V

Sample wt/vol: 300 (g/mL) mL Lab File ID: B311

Level: (low/med) NA Date Received: 2-28-94

% Moisture: not dec. NA Date Analyzed: 3-21-94

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume: NA (uL) Soil Aliquot Volume: NA (uL)

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	125	U
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
67-64-1	Acetone	NA	
75-15-0	Carbon Disulfide	NA	
75-35-4	1,1-Dichloroethene	125	U
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	125	U
107-06-2	1,2-Dichloroethane	125	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	125	U
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	125	U
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	125	U
10061-02-6	trans-1,3-Dichloropropene	NA	
75-25-2	Bromoform	NA	
108-10-1	4-Methyl-2-Pentanone	NA	
591-78-6	2-Hexanone	NA	
127-18-4	Tetrachloroethene	125	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	125	U
100-41-4	Ethylbenzene	NA	
100-42-5	Styrene	NA	
1330-20-7	Xylene (total)	NA	
106-46-7	1,4-Dichlorobenzene	125	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

0115

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK01	95.5	97.1	93.7		0
02	VSPK01	98.6	103	97.7		0
03	CLI-DD-01MS	96.5	102	109		0
04	CLI-DD-01MSD	97.3	104	97.6		0
05	CLI-DB-01	96.4	101	101		0
06	CLI-DP-01	95.3	99.3	99.8		0
07						
08						
09						
10						
11						
12						
13						
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25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No. NA

Matrix Spike - EPA Sample No.: CLS-DB-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	100	0	93.6	93.6	61-145
Trichloroethene	100	0	100	100	71-120
Benzene	100	0	99.0	99.0	76-127
Chlorobenzene	100	0	97.8	97.8	75-130
1,2-Dichloroethane	100	0	108	108	30-130
1,4-dichlorobenzene	100	0	94.9	94.9	30-130
Carbon Tetrachloride	100	0	105	105	30-130
Chloroform	100	0	106	106	30-130
2-Butanone	200	0	167	83.5	30-130
Tetrachloroethene	100	0	94.4	94.4	30-130
Vinyl Chloride	100	0	86.5	86.5	30-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	100	92.3	92.8	.858	14	61-145
Trichloroethene	100	99.5	99.5	.501	14	71-120
Benzene	100	101	101	2.00	11	76-127
Chlorobenzene	100	97.5	97.5	.307	13	75-130
1,2-Dichloroethane	100	106	106	1.87	20	30-130
1,4-dichlorobenzene	100	94.1	94.1	.433	20	30-130
Carbon Tetrachloride	100	104	104	.952	20	30-130
Chloroform	100	103	103	2.88	20	30-130
2-Butanone	200	159	79.5	4.23	20	30-130
Tetrachloroethene	100	95.1	95.1	.739	20	30-130
Vinyl Chloride	100	83.3	83.3	3.77	20	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

VOLATILE BLANK SPIKE RECOVERY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: CLJ-CSS-01

Blank Spike - EPA Sample No.: VSPK01

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	100	0	93.4	93.4	61-145
Trichloroethene	100	0	97.4	97.4	71-120
Benzene	100	0	96.9	96.9	76-127
Chlorobenzene	100	0	98.1	98.1	75-130
1,2-Dichloroethane	100	0	108	108	30-130
1,4-dichlorobenzene	100	0	93.0	93.0	30-130
rbon Tetrachloride	100	0	99.2	99.2	30-130
loroform	100	0	105	105	30-130
2-Butanone	200	0	175	87.7	30-130
Tetrachloroethene	100	0	93.4	93.4	30-130
Vinyl Chloride	100	0	89.3	89.3	30-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID: B3106 Lab Sample ID: NV3388V

Date Analyzed: 3-21-94 Time Analyzed: 15:21

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD-B

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	CLJ-DB-C1MS	JM3967VS	B3109	17:27
02	CLJ-DB-C1MSD	JM3967VR	B3110	18:05
03	CLJ-DB-C1	JM3967V	B3108	16:48
04	CLJ-DP-C1	JM3968V	B3111	18:44
05				
06				
07				
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID: B3104 BFB Injection Date: 3-21-94

Instrument ID: MSD-B BFB Injection Time: 13:05

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.50
75	30.0 - 66.0% of mass 95	40.45
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.78
173	Less than 2.0% of mass 174	0.00 (0.00)1
174	50.0 - 120.0% of mass 95	74.13
175	4.0 - 9.0 % of mass 174	6.01 (8.10)1
176	93.0 - 101.0% of mass 174	74.22 (100.12)1
177	5.0 - 9.0% of mass 176	4.76 (6.42)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK01	NV3338V	B3106	3-21-94	15:21
02	VSPK01	NV3338VS	B3107	3-21-94	16:09
03	CLJ-DB-01MS	JM3967VS	B3109	3-21-94	17:37
04	CLJ-DB-01MSD	JM3967VR	B3110	3-21-94	18:05
05	CLJ-DB-01	JM3967V	B3108	3-21-94	16:48
06	CLJ-DP-01	JM3968V	B3111	3-21-94	18:44
07	VSTD50	CHL STD	B3105	3-21-94	9:09
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6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-B Calibration Date(s): 02-21-94 02-21-94

Heated Purge: (Y/N) N Calibration Times: 1013 1242

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 = B2817 RRF20 = B2818
RRF50 = B2819 RRF100 = B2820 RRF200 = B2821

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	0.456	0.457	0.449	0.499	0.515	0.479	5.56
Bromomethane *	1.22	1.06	0.868	0.714	0.631	0.899	27.0 *
Vinyl Chloride *	1.42	1.40	1.34	1.39	1.43	1.39	2.66 *
Chloroethane	0.771	0.850	0.715	0.587	0.436	0.693	26.6
Methylene Chloride	1.44	1.44	1.38	1.33	1.29	1.37	4.68
Acetone	0.651	0.463	0.516	0.383	0.260	0.455	32.1
Carbon Disulfide	4.18	4.28	4.10	4.12	4.02	4.14	2.32
1,1-Dichloroethene		1.52	1.34	1.30	1.12	1.33	10.7 *
1,1-Dichloroethane	2.74	2.86	2.76	2.81	2.76	2.79	1.70 *
1,2-Dichloroethene (trans) ~~(total)~~	1.43	1.44	1.37	1.35	1.29	1.37	4.65
Chloroform *	2.79	2.94	2.86	2.87	2.77	2.85	2.46 *
1,2-Dichloroethane *	2.11	2.15	2.06	2.04	1.94	2.06	3.89 *
2-Butanone	0.021	0.023	0.022	0.032	0.029	0.025	19.7
1,1,1-Trichloroethane *	0.485	0.500	0.478	0.471	0.438	0.475	4.89
Carbon Tetrachloride *	0.471	0.499	0.472	0.476	0.427	0.469	5.65 *
Bromodichloromethane *	0.633	0.650	0.645	0.664	0.607	0.646	3.95 *
1,2-Dichloropropane	0.423	0.453	0.444	0.441	0.413	0.435	3.76
cis-1,3-Dichloropropene *	0.632	0.648	0.651	0.650	0.618	0.620	2.27 *
Trichloroethene *	0.457	0.467	0.465	0.444	0.398	0.44[illegible]	6.31 *
Dibromochloromethane *	0.635	0.6[illegible]	0.645	0.664	[illegible]	0.64[illegible]	3.95 *
1,1,2-Trichloroethane *	[illegible]	0.36[illegible]	0.359	0.353	0.318	[illegible]	[illegible] *
Benzene *	0.966	1.01	0.974	0.943	0.851	0.955	4.58 *
trans-1,3-Dichloropropene *	0.42[illegible]	0.45[illegible]	0.433	0.4[illegible]	0.437	0.45[illegible]	[illegible] *
Bromoform *	0.481	0.518	0.517	0.512	0.463	0.49[illegible]	[illegible] *
4-Methyl-2-Pentanone	0.139	0.136	0.131	0.146	0.132	0.136	4.47
2-Hexanone	0	0.304	0.242	0.356	0.362	0.318	17.5
Tetrachloroethene *	0.567	0.578	0.561	0.552	0.498	0.551	5.67 *
1,1,2,2-Tetrachloroethane *	0.498	0.537	0.535	0.516	0.479	0.513	4.96 *
Toluene *	0.795	0.814	0.824	0.803	0.759	0.800	3.24 *
Chlorobenzene *	1.07	1.11	1.10	1.09	1.01	1.08	3.85 *
Ethylbenzene *	0.480	0.503	0.484	0.473	0.436	0.477	6.55 *
Styrene *	0.979	1.01	0.943	0.936	0.823	0.948	7.02 *
Xylene (~~total~~) m+p *	1.25	1.27	1.22	1.14	1.01	1.18	9.23
Toluene-d8	1.23	1.28	1.26	1.27	1.22	1.25	1.92
Bromofluorobenzene	0.759	0.996	0.983	0.971	0.917	0.945	2.15 *
1,2-Dichloroethane-d4	1.74	1.87	1.81	1.83	1.79	1.81	2.27
1,2-cis-Dichloroethylene	1.61	1.69	1.59	1.59	1.52	1.60	3.46

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

o-Xylene	0.582	0.626	0.595	0.570	0.488	0.572	8.97

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Instrument ID: MSD-B Calibration Date: ~~02-21-94~~ 3-21-94 Time: ~~A~~ 13.43

Lab File ID: B3105 Init. Calib. Date(s): 02-21-94 02-21-94

Heated Purge: (Y/N) N Init. Calib. Times: 1013 1242

GC Column: DB 624 ID: .53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	.47921	.33758		29.55	
Bromomethane	.89857	.72714	0.100	19.08	25.0
Vinyl Chloride	1.39502	1.13567	0.100	18.59	25.0
Chloroethane	.69301	.67467		2.65	
Methylene Chloride	1.37474	1.25751		8.53	
Acetone	.45489	.41495		8.78	
Carbon Disulfide	4.14133	3.65750		11.68	
1,1-Dichloroethene	1.33310	1.26982	0.100	4.75	25.0
1,1-Dichloroethane	2.38654	2.43336	0.200	12.71	25.0
1,2-Dichloroethene (~~total~~ cis)	1.60306	1.45990		8.93	
Chloroform	2.84881	2.74902	0.200	3.54	25.0
1,2-Dichloroethane	2.06100	1.82483	0.100	11.46	25.0
2-Butanone	.02530	.03832		51.43	
1,1,1-Trichloroethane	.47466	.46145	0.100	2.78	25.0
Carbon Tetrachloride	.46911	.45354	0.100	3.32	25.0
Bromodichloromethane	.64586	.57763	0.200	10.56	25.0
1,2-Dichloropropane	.43471	.37189		14.45	
cis-1,3-Dichloropropene	.63993	.57220	0.200	10.58	25.0
Trichloroethene	.44619	.41854	0.300	6.20	25.0
Dibromochloromethane	.56672	.52596	0.100	7.19	25.0
1,1,2-Trichloroethane	.34841	.34082	0.100	2.18	25.0
Benzene	.95455	.88763	0.500	7.01	25.0
trans-1,3-Dichloropropene	.45642	.42374	0.100	7.16	25.0
Bromoform	.49823	.49266	0.100	1.12	25.0
4-Methyl-2-Pentanone	.13647	.14973		9.72	
2-Hexanone	.31769	.37182		17.04	
Tetrachloroethene	.55113	.54443	0.200	1.22	25.0
1,1,2,2-Tetrachloroethane	.69729	.73248	0.500	5.03	25.0
Toluene	.80024	.78760	0.400	1.58	25.0
Chlorobenzene	1.07590	.94104	0.500	12.54	25.0
Ethylbenzene	.47340	.46314	0.100	2.17	25.0
Styrene	.94833	.92340	0.300	2.63	25.0
Xylene ~~(total)~~ m-p	1.17721	1.12519	0.300	4.42	25.0
Toluene-d8	1.25274	1.25318		.04	
Bromofluorobenzene	.96552	.92238	0.200	4.36	25.0
1,2-Dichloroethane-d4	1.81444	1.68676		7.04	

All other compounds must meet a minimum RRF of 0.010.

1,2-Trans-dichloroethylene	1.37615	1.26436	8.12
O-xylene	.57240	.54176	5.35

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ASC Contract: NEESA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: NA

Lab File ID (Standard): B3105 Date Analyzed: 3-21-94

Instrument ID: MSD-B Time Analyzed: 13:43

GC Column: DB-624 ID: .53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	31973	9.67	132202	11.59	103067	17.59
	UPPER LIMIT	63946	10.17	264404	12.09	206134	18.09
	LOWER LIMIT	15987	9.17	66101	11.09	51534	17.09
	EPA SAMPLE NO.						
01	VBLKC1	30919	9.86	131784	11.76	106728	17.72
02	VSPK01	27414	9.52	123272	11.43	98805	17.41
03	CLI-DB-01MS	26550	9.45	117214	11.37	96860	17.36
04	CLI-DB-01MSD	25332	9.48	110410	11.38	90919	17.37
05	CLI-DB 01	25694	9.46	112539	11.38	94271	17.37
06	CLI-DP-01	27495	9.50	119620	11.40	102382	17.41
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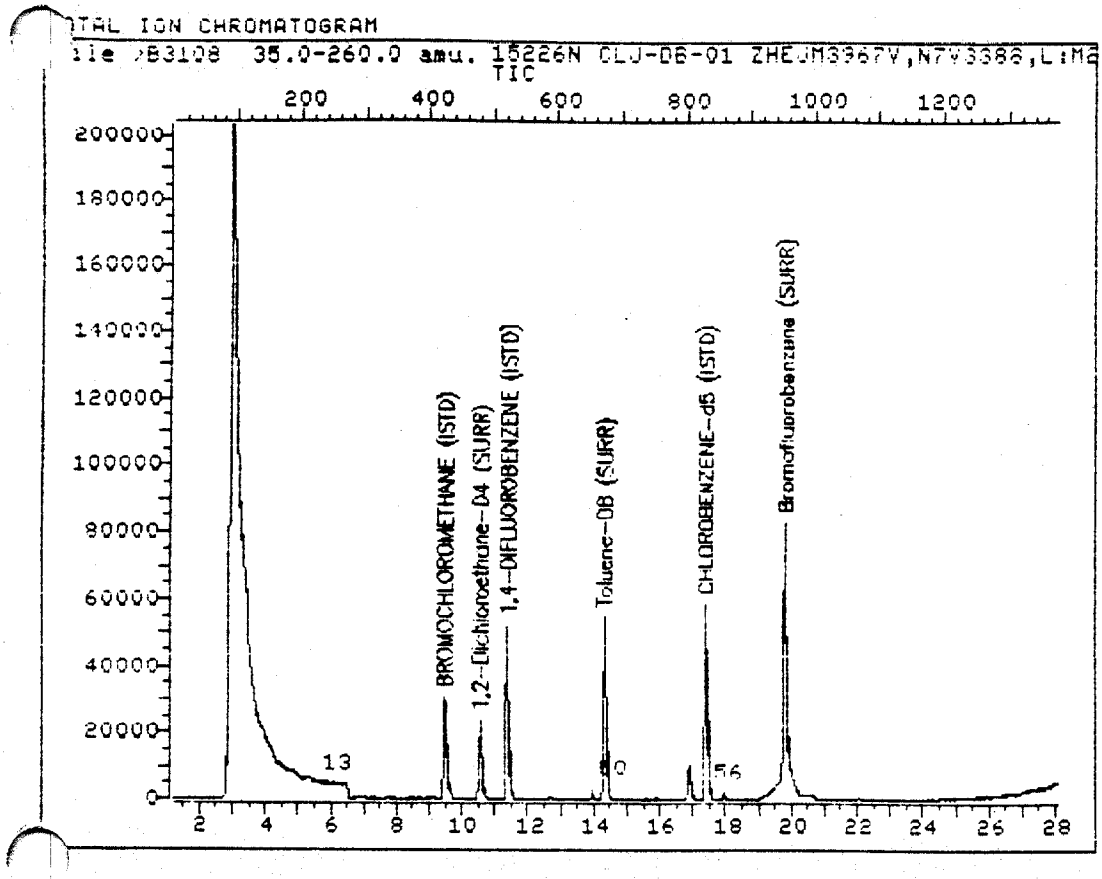
IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



Data File: >B3108::D6 Quant Output File: ^B3108::QT
Name: 15226N CLJ-DB-01 ZHE
Misc: JM3967V,N7V3388,L:M2,0.200,5.00:1, 200ul/5ml

Id File: IB321A::D4
Title: MSD-B DB624 0.53mmX75m VOLATILES BY GC/MS
Last Calibration: 940321 15:00

Operator ID: STEVE
Quant Time: 940321 17:20
Injected at: 940321 16:48

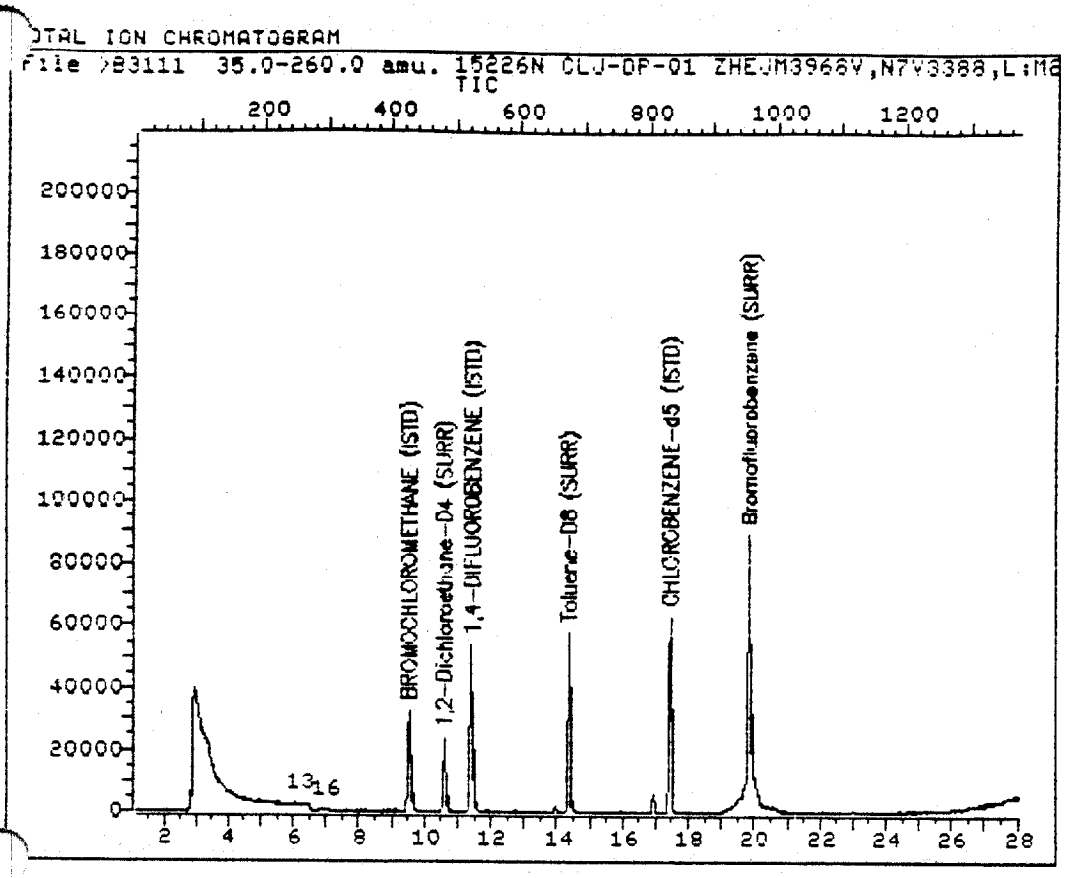
QUANT REPORT

Operator ID: STEVE Quant Rev: 7 Quant Time: 940321 17:20
Output File: ^B3108::QT Injected at: 940321 16:48
Data File: >B3108::D6 Dilution Factor: 1.00000
Name: 15226N CLJ-DB-01 ZHE
Misc: JM3967V,N7V3388,L:M2,0.200,5.00:1, 200ul/5ml

ID File: IB321A::D4
Title: MSD-B DB624 0.53mmX75m VOLATILES BY GC/MS
Last Calibration: 940321 15:00

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	9.46	128.0	25694	50.00	ug/l	87
13)	Acetone	6.04	43.0	1742	8.38	ug/l	72
26)	1,2-Dichloroethane-D4 (SURR)	10.54	65.0	43858	50.60	ug/l	90
29)	*1,4-DIFLUOROBENZENE (ISTD)	11.38	114.0	112539	50.00	ug/l	91
48)	*CHLOROBENZENE-d5 (ISTD)	17.37	117.0	94271	50.00	ug/l	91
49)	Toluene-D8 (SURR)	14.31	98.0	113941	48.22	ug/l	84
50)	Toluene	14.44	92.0	2381	1.60	ug/l	97
56)	Ethylbenzene	17.92	106.0	1806	2.07	ug/l	73
60)	Bromofluorobenzene (SURR)	19.80	95.0	87872	50.47	ug/l	93

* Compound is ISTD



Data File: >B3111::D6 Quant Output File: ^B3111::QT
Name: 15226N CLJ-DP-01 ZHE
Misc: JM3968V,N7V3388,L:M2,0.200,5.00:1, 200ul/5ml

Id File: IB321A::D4
Title: MSD-B DB624 0.53mmX75m VOLATILES BY GC/MS
Last Calibration: 940321 15:00

Operator ID: STEVE
Quant Time: 940321 19:16
Injected at: 940321 18:44

QUANT REPORT

Operator ID: STEVE
Output File: ^B3111::QT
Data File: >B3111::D6
Name: 15226N CLJ-DP-01 ZHE
Misc: JM3968V,N7V3388,L:M2,0.200,5.00:1, 200ul/5ml

Quant Rev: 7
Quant Time: 940321 19:16
Injected at: 940321 18:44
Dilution Factor: 1.00000

ID File: IB321A::D4
Title: MSD-B DB624 0.53mmX75m VOLATILES BY GC/MS
Last Calibration: 940321 15:00

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	9.50	128.0	27495	50.00	ug/l	95
13)	Acetone	6.05	43.0	4024	18.09	ug/l	84
16)	Methylene chloride	6.87	84.0	2101	3.04	ug/l	82
26)	1,2-Dichloroethane-D4 (SURR)	10.56	65.0	46292	49.91	ug/l	88
29)	*1,4-DIFLUOROBENZENE (ISTD)	11.40	114.0	119620	50.00	ug/l	95
48)	*CHLOROBENZENE-d5 (ISTD)	17.41	117.0	102382	50.00	ug/l	94
49)	Toluene-D8 (SURR)	14.33	98.0	122251	47.64	ug/l	82
60)	Bromofluorobenzene (SURR)	19.83	95.0	93910	49.67	ug/l	93

* Compound is ISTD

Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Southern Region (Morrisville, NC)

Attn: Kent Geis
Bill Perry

Project: 15226N - NEESA; Camp LeJuene, Jacksonville, NC

Sample(s): C6593 through C6598, CLJ-DWS-145, CLJ-DWS-146 and CLJ-DWS-15

Sample Type(s): Organic

Analysis Performed: Conventionals

Date Sample Received: February 25 and March 6, 1994

Date Order Received: May 10, 1994

Joblink(s): 615798

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by: _____ *Date:* 6/1/94
Thomas E. Gran, Ph.D., Vice President

16406 U.S. Route 224 East ■ P.O. Box 1404 ■ Findlay, Ohio 45839-1404 ■ 419-423-3526

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- Note any and all comments at the bottom of the tables in Appendix C.
- **ASC** will retain samples for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of $5.00/ sample will be imposed for unreturned samples.
- OHM Sample Numbers CLJ-DWS-5, 6, 9, 10, 11, 12, 13, 14, 72, 76, 77 and 78 were analyzed by GC/MS to confirm a GC matrix interference on the PCB analysis. There were no PCB hits found by GC/MS analysis for any of the samples. These results are found in the revised report, Joblinks 615277 and 615278.
- No QA/QC is available for the free Chlorine analysis.

APPENDIX A

DATA SUMMARY REPORT

NOTE: The Tentatively Identified Volatile (GC/MS) Screen result(s), if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 05/26/94

PAGE: 1

Company: OHM REMEDIATION SERVICES CORPORATION

	Sample Point ID:	**CLJ-DWS-15**	**CLJ-DWS145**	**CLJ-DWS146**
	ASC Sample Number:	JM7520	JM7519	JM7517
	Sample Date:			
	Facility Code:	015226N	015226N	015226N
Parameters	Units			
Conventional Data (CV10)				
Chlorine, Free	mg/L	<5.00	<5.00	<5.00

APPENDIX B

QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWS-15	JM7520

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlorine, Free	ND	5.00	-	

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWS145	JM7519

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlorine, Free	ND	5.00	-	

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWS146	JM7517

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Chlorine, Free	ND	5.00	-	

APPENDIX C

QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
Free Chlorine	SMEWW	410C Modified

METHODOLOGY REFERENCES

ASTM *American Society for Testing and Materials*, 1985 edition.

CAWW *Methods for Chemical Analysis of Water and Wastes*, April 1979 and Updated #1 March 1983.

CLP *USEPA Contract Laboratory Program*, Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.

EPA-500 *USEPA Methods for the Determination of Organic Compounds in Drinking Water,* EPA-600/4-88/039 December 1988.

EPA-600 *USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, EPA-600/4-82-057 July 1982.

NIOSH *National Institute for Occupational Safety and Health*, 3rd edition, 1984.

SMEWW *Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989.

STOA *Spot Tests In Organic Analysis*, 7th edition, 1966.

SW-846 *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, 3rd edition, September 1986 and Update #1 July 1992.

(1) This method was modified to incorporate the use of Boron Trifluoride (BF3) as the derivatizing reagent according to Method 6640 in *SMEWW*, 17th edition, 1989.

Title 22 *Waste Extraction Test*, Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- US Army Corps of Engineers . . . . . Chemical Analysis in Various Matrices

Approvals:

- Chemical Waste Management . . . . . Waste Characterization Analysis
- Envirosafe . . . . . Waste Characterization Analysis
- USDA . . . . . Permit for Importing Soils
- Florida DEP . . . . . Quality Assurance Plan #930034G
- Naval Facilities Engineering Service Center . . . . . Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	=	milligram per kilogram (ppm)
Mg/m^3	=	milligram per cubic meter
ug/kg	=	microgram per kilogram (ppb)
mg/L	=	milligram per liter (ppm)
ug/L	=	microgram per liter (ppb)
mg/W	=	milligram per wipe
ug/W	=	microgram per wipe
mg/SMP	=	milligram per sample
ug/SMP	=	microgram per sample
um/cm	=	microMho per centimeter
pCi/l	=	picocurie per liter
gm/cc	=	grams per cubic centimeter
ppm	=	parts per million
ppb	=	parts per billion
ND	=	Not detected at or above stated detection limit
<	=	less than
>	=	greater than
%	=	percent
BTU/lb	=	British Thermal Units per pound
Deg. C	=	Degrees Celsius
n/a	=	not applicable
Unk	=	unknown
std	=	result is relative to standard pH units
CV	=	Conventionals
IR	=	Infrared Spectrophotometric
GC	=	Gas Chromatograph Instrument
GC/MS	=	Gas Chromatography/Mass Spectrometer Instrument
GRO	=	Gasoline Range Organics
DRO	=	Diesel Range Organics
PCB	=	Polychlorinated Biphenyls (PCBs)
EP TOX	=	Extraction Procedure Toxicity
TCLP	=	Toxicity Characteristic Leaching Procedure
RCRA	=	Resource Conservation and Recovery Act

APPENDIX D

CHAIN-OF-CUSTODY RECORD(S)

6b.

Camp Lejeune 15226

QA/QC SUMMARY REPORT

SAMPLE NUMBER	SAMPLE DATE	SAMPLE LOCATION	COC NUMBER	LAB ID	LAB SAMPLE ID	DQO LEVEL	PACKAGE ID	AIRBILL NUMBER
CLJ-DWW-02	3/1/94	12K POOL SAMPLE: BATCH #2	127973	ASC	JM4135	IV	615282	7526016864
CLJ-TBLK-7	3/1/94	TRIP BLANK	127973	ASC	JM4136	-	-	7526016864

DATA SUMMARY REPORT

DATE: 11/02/94

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Conventional Data (CV10)		
Cyanide, Total	mg/L	<.009
Oil and Grease	mg/L	111
Solids, total suspended	mg/L	38.0
Total Dissolved Solids (TDS)	mg/L	148
pH (Electrode)	std	7.18
Total Pesticide and PCB Analysis, GC, (GS05)		
Aldrin	mg/L	<.0001
Alpha-BHC	mg/L	<.0001
Beta-BHC	mg/L	<.0001
Chlordane	mg/L	<.0005
4,4'-DDD	mg/L	.0008
4,4'-DDE	mg/L	.0003
4,4'-DDT	mg/L	.002
Delta-BHC	mg/L	<.0001
Dieldrin	mg/L	<.0001
Endosulfan sulfate	mg/L	<.0001
Endosulfan I	mg/L	<.0001
Endosulfan II	mg/L	<.0001
Endrin	mg/L	<.0001
Endrin aldehyde	mg/L	<.0001
Endrin ketone	mg/L	<.0001
Gamma-BHC	mg/L	<.0001
Heptachlor	mg/L	<.0001
Heptachlor epoxide	mg/L	<.0001
Methoxychlor	mg/L	<.0001
Toxaphene	mg/L	<.002
Aroclor 1016	mg/L	<.001
Aroclor 1221	mg/L	<.001
Aroclor 1232	mg/L	<.001
Aroclor 1242	mg/L	<.001
Aroclor 1248	mg/L	<.001
Aroclor 1254	mg/L	<.001
Aroclor 1260	mg/L	<.001

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
RCRA Total Metals Analysis, (ME50)		
Arsenic	mg/L	<.100
Barium	mg/L	.058
Cadmium	mg/L	<.005
Chromium	mg/L	<.010
Lead	mg/L	.397
Mercury	mg/L	<.001
Selenium	mg/L	<.100
Silver	mg/L	<.010
Total Base/Neutral/Acid Analysis, MS, (MS02)		
Acenaphthene	mg/L	<.010
Acenaphthylene	mg/L	<.010
Anthracene	mg/L	<.010
Benzidine	mg/L	<.010
Benzo(a)anthracene	mg/L	<.010
Benzo(b)fluoranthene	mg/L	<.010
Benzo(k)fluoranthene	mg/L	<.010
Benzo(ghi)perylene	mg/L	<.010
Benzo(a)pyrene	mg/L	<.010
bis(2-Chloroethyl) ether	mg/L	<.010
bis(2-Chloroethoxy)methane	mg/L	<.010
bis(2-Chloroisopropyl)ether	mg/L	<.010
bis(2-Ethylhexyl)phthalate	mg/L	.063
4-Bromophenyl phenyl ether	mg/L	<.010
Butyl benzyl phthalate	mg/L	<.010
Carbazole	mg/L	<.010
4-Chloroaniline	mg/L	<.010
p-Chloro-m-cresol	mg/L	<.010
2-Chloronaphthalene	mg/L	<.010
2-Chlorophenol	mg/L	<.010
4-Chlorophenyl phenyl ether	mg/L	<.010
Chrysene	mg/L	<.010
Dibenzo(a,h)anthracene	mg/L	<.010
Dibenzofuran	mg/L	<.010
Di-n-butyl phthalate	mg/L	.018

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Total Base/Neutral/Acid Analysis, MS, (MS02)

Parameters	Units	
1,2-Dichlorobenzene	mg/L	<.010
1,3-Dichlorobenzene	mg/L	<.010
1,4-Dichlorobenzene	mg/L	<.010
3,3'-Dichlorobenzidine	mg/L	<.010
2,4-Dichlorophenol	mg/L	<.010
Diethyl phthalate	mg/L	<.010
Dimethyl phthalate	mg/L	<.010
2,4-Dimethylphenol	mg/L	<.010
4,6-Dinitro-o-cresol	mg/L	<.025
2,4-Dinitrophenol	mg/L	<.050
2,4-Dinitrotoluene	mg/L	<.010
2,6-Dinitrotoluene	mg/L	<.010
Di-n-octyl phthalate	mg/L	<.010
Fluoranthene	mg/L	<.010
Fluorene	mg/L	<.010
Hexachlorobenzene	mg/L	<.010
Hexachlorobutadiene	mg/L	<.010
Hexachlorocyclopentadiene	mg/L	<.010
Hexachloroethane	mg/L	<.010
Isophorone	mg/L	<.010
2-Methylnaphthalene	mg/L	<.010
2-Methylphenol	mg/L	<.010
4-Methylphenol	mg/L	<.010
N-Nitrosodimethylamine	mg/L	<.010
N-Nitrosodi-n-propylamine	mg/L	<.010
N-Nitrosodiphenylamine	mg/L	<.010
Naphthalene	mg/L	<.010
2-Nitroaniline	mg/L	<.010
3-Nitroaniline	mg/L	<.010
4-Nitroaniline	mg/L	<.010
Nitrobenzene	mg/L	<.010
2-Nitrophenol	mg/L	<.010
4-Nitrophenol	mg/L	<.050
Pentachlorophenol	mg/L	<.010
Phenanthrene	mg/L	<.010

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Base/Neutral/Acid Analysis, MS, (MS02)		
Phenol	mg/L	<.010
Pyrene	mg/L	<.010
Pyridine	mg/L	<.010
1,2,4-Trichlorobenzene	mg/L	<.010
2,4,5-Trichlorophenol	mg/L	<.010
2,4,6-Trichlorophenol	mg/L	<.010
1,2,4,5-Tetrachlorobenzene	mg/L	<.010
2,3,4,6-Tetrachlorophenol	mg/L	<.010
2,6-Dichlorophenol	mg/L	<.010
2-Ethoxyethanol	mg/L	<.010
2-Nitropropane	mg/L	<.010
3-Chloropropionitrile	mg/L	<.010
4,4'-Methylenebis(2-chloroanil	mg/L	<.010
Benzoic acid	mg/L	<.025
Benzyl alcohol	mg/L	<.010
Cyclohexanone	mg/L	<.010
Hexachloropropene	mg/L	<.010
Indeno(1,2,3-c,d)pyrene	mg/L	<.010
Pentachlorobenzene	mg/L	<.010
Pentachloroethane	mg/L	<.010
Pentachloronitrobenzene	mg/L	<.010
Pronamide	mg/L	<.010
bis(2-Chloroethoxy)ethane	mg/L	<.010
Total Volatile Analysis, MS, (MV00)		
Acetone	mg/L	.025
Acrolein	mg/L	<.025
Acrylonitrile	mg/L	<.013
Benzene	mg/L	<.005
Bromoform	mg/L	<.005
Carbon disulfide	mg/L	<.005
Carbon tetrachloride	mg/L	<.005
Chlorobenzene	mg/L	<.005
Chlorodibromomethane	mg/L	<.005
Chloroethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
Chloroform	mg/L	<.005
2-Chloroethylvinyl ether	mg/L	<.005
3-Chloropropene	mg/L	<.005
1,2-Dibromo-3-chloropropane	mg/L	<.005
Dichlorobromomethane	mg/L	<.005
Dichlorodifluoromethane	mg/L	<.005
1,1-Dichloroethane	mg/L	<.005
1,2-Dichloroethane	mg/L	<.005
1,1-Dichloroethylene	mg/L	<.005
1,2-Dichloropropane	mg/L	<.005
cis-1,3-Dichloropropylene	mg/L	<.005
trans-1,3-Dichloropropylene	mg/L	<.005
Dibromomethane	mg/L	<.005
Ethylbenzene	mg/L	<.005
Ethylene dibromide	mg/L	<.005
Ethyl acetate	mg/L	<.050
Ethyl ether	mg/L	<.005
2-Hexanone	mg/L	<.005
Iodomethane	mg/L	<.005
Methyl bromide	mg/L	<.005
Methyl chloride	mg/L	<.005
Methylene chloride	mg/L	<.005
Methyl ethyl ketone	mg/L	<.010
Methyl-iso-butyl ketone	mg/L	<.010
Styrene	mg/L	<.005
1,1,1,2-Tetrachloroethane	mg/L	<.005
1,1,2,2-Tetrachloroethane	mg/L	<.005
Tetrachloroethylene	mg/L	<.005
Tetrahydrofuran	mg/L	<.005
Toluene	mg/L	<.005
1,1,1-Trichloroethane	mg/L	<.005
1,1,2-Trichloroethane	mg/L	<.005
Trichloroethylene	mg/L	<.005
1,2-Trans-dichloroethylene	mg/L	<.005
Trichlorofluoromethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
1,2,3-Trichloropropane	mg/L	<.005
1,1,2-Trichlorotrifluoroethane	mg/L	<.010
Vinyl acetate	mg/L	<.025
Vinyl chloride	mg/L	<.005
Xylenes	mg/L	<.005

Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Southern Region (Morrisville, NC)

Attn: Kent Geis

Project: 15226N - Camp LaJeune, Jacksonville, NC

Sample(s): CLJ-DWW-02

Sample Type(s): Liquid

Analysis Performed: Conventionals, Metals and Organics

Date Sample Received: March 2, 1994

Date Order Received: March 2, 1994

Joblink(s): 615282

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by: J. Hnatow for *Date:* 3-14-94
Thomas E. Gran, Ph.D., Vice President

16406 U.S. Route 224 East ■ P.O. Box 1404 ■ Findlay, Ohio 45839-1404 ■ 419-423-3526

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- The identity of all pesticide compounds were confirmed by secondary column analysis.
- Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- **ASC** will retain samples for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of $5.00/ sample will be imposed for unreturned samples.

APPENDIX A

DATA SUMMARY REPORT

NOTE: The GC/MS screen data, if applicable, is included in Appendix B.

DATA SUMMARY REPORT

DATE: 03/03/94

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Conventional Data (CV10)		
Cyanide, Total	mg/L	<.009
Oil and Grease	mg/L	111
Solids, total suspended	mg/L	38.0
Total Dissolved Solids (TDS)	mg/L	148
pH (Electrode)	std	7.18
Total Pesticide and PCB Analysis, GC, (GS05)		
Aldrin	mg/L	<.0001
Alpha-BHC	mg/L	<.0001
Beta-BHC	mg/L	<.0001
Chlordane	mg/L	<.0005
4,4'-DDD	mg/L	.0008
4,4'-DDE	mg/L	.0003
4,4'-DDT	mg/L	.002
Delta-BHC	mg/L	<.0001
Dieldrin	mg/L	<.0001
Endosulfan sulfate	mg/L	<.0001
Endosulfan I	mg/L	<.0001
Endosulfan II	mg/L	<.0001
Endrin	mg/L	<.0001
Endrin aldehyde	mg/L	<.0001
Endrin ketone	mg/L	<.0001
Gamma-BHC	mg/L	<.0001
Heptachlor	mg/L	<.0001
Heptachlor epoxide	mg/L	<.0001
Methoxychlor	mg/L	<.0001
Toxaphene	mg/L	<.002
Aroclor 1016	mg/L	<.001
Aroclor 1221	mg/L	<.001
Aroclor 1232	mg/L	<.001
Aroclor 1242	mg/L	<.001
Aroclor 1248	mg/L	<.001
Aroclor 1254	mg/L	<.001
Aroclor 1260	mg/L	<.001

DATA SUMMARY REPORT

DATE: 03/03/94

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
RCRA Total Metals Analysis, (ME50)		
Arsenic	mg/L	<.100
Barium	mg/L	.058
Cadmium	mg/L	<.005
Chromium	mg/L	<.010
Lead	mg/L	.397
Mercury	mg/L	<.001
Selenium	mg/L	<.100
Silver	mg/L	<.010
Total Base/Neutral/Acid Analysis, MS, (MS02)		
Acenaphthene	mg/L	<.010
Acenaphthylene	mg/L	<.010
Anthracene	mg/L	<.010
Benzidine	mg/L	<.010
Benzoic acid	mg/L	<.025
Benzyl alcohol	mg/L	<.010
Benzo(a)anthracene	mg/L	<.010
Benzo(b)fluoranthene	mg/L	<.010
Benzo(k)fluoranthene	mg/L	<.010
Benzo(ghi)perylene	mg/L	<.010
Benzo(a)pyrene	mg/L	<.010
bis(2-Chloroethoxy)ethane	mg/L	<.010
bis(2-Chloroethyl) ether	mg/L	<.010
bis(2-Chloroethoxy)methane	mg/L	<.010
bis(2-Chloroisopropyl)ether	mg/L	<.010
bis(2-Ethylhexyl)phthalate	mg/L	.063
4-Bromophenyl phenyl ether	mg/L	<.010
Butyl benzyl phthalate	mg/L	<.010
Carbazole	mg/L	<.010
4-Chloroaniline	mg/L	<.010
p-Chloro-m-cresol	mg/L	<.010
2-Chloronaphthalene	mg/L	<.010
2-Chlorophenol	mg/L	<.010
4-Chlorophenyl phenyl ether	mg/L	<.010
3-Chloropropionitrile	mg/L	<.010

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Total Base/Neutral/Acid Analysis, MS, (MS02)

Parameters	Units	
Chrysene	mg/L	<.010
Cyclohexanone	mg/L	<.010
Dibenzo(a,h)anthracene	mg/L	<.010
Dibenzofuran	mg/L	<.010
Di-n-butyl phthalate	mg/L	.018
1,2-Dichlorobenzene	mg/L	<.010
1,3-Dichlorobenzene	mg/L	<.010
1,4-Dichlorobenzene	mg/L	<.010
3,3'-Dichlorobenzidine	mg/L	<.010
2,4-Dichlorophenol	mg/L	<.010
2,6-Dichlorophenol	mg/L	<.010
Diethyl phthalate	mg/L	<.010
Dimethyl phthalate	mg/L	<.010
2,4-Dimethylphenol	mg/L	<.010
4,6-Dinitro-o-cresol	mg/L	<.025
2,4-Dinitrophenol	mg/L	<.050
2,4-Dinitrotoluene	mg/L	<.010
2,6-Dinitrotoluene	mg/L	<.010
Di-n-octyl phthalate	mg/L	<.010
2-Ethoxyethanol	mg/L	<.010
Fluoranthene	mg/L	<.010
Fluorene	mg/L	<.010
Hexachlorobenzene	mg/L	<.010
Hexachlorobutadiene	mg/L	<.010
Hexachlorocyclopentadiene	mg/L	<.010
Hexachloroethane	mg/L	<.010
Hexachloropropene	mg/L	<.010
Indeno(1,2,3-c,d)pyrene	mg/L	<.010
Isophorone	mg/L	<.010
4,4'-Methylenebis(2-chloroaniline)	mg/L	<.010
2-Methylnaphthalene	mg/L	<.010
2-Methylphenol	mg/L	<.010
4-Methylphenol	mg/L	<.010
2-Nitropropane	mg/L	<.010
N-Nitrosodimethylamine	mg/L	<.010

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Base/Neutral/Acid Analysis, MS, (MS02)		
N-Nitrosodi-n-propylamine	mg/L	<.010
N-Nitrosodiphenylamine	mg/L	<.010
Naphthalene	mg/L	<.010
2-Nitroaniline	mg/L	<.010
3-Nitroaniline	mg/L	<.010
4-Nitroaniline	mg/L	<.010
Nitrobenzene	mg/L	<.010
2-Nitrophenol	mg/L	<.010
4-Nitrophenol	mg/L	<.050
Pentachlorobenzene	mg/L	<.010
Pentachloronitrobenzene	mg/L	<.010
Pentachlorophenol	mg/L	<.010
Pentachloroethane	mg/L	<.010
Phenanthrene	mg/L	<.010
Phenol	mg/L	<.010
Pronamide	mg/L	<.010
Pyrene	mg/L	<.010
Pyridine	mg/L	<.010
1,2,4,5-Tetrachlorobenzene	mg/L	<.010
2,3,4,6-Tetrachlorophenol	mg/L	<.010
1,2,4-Trichlorobenzene	mg/L	<.010
2,4,5-Trichlorophenol	mg/L	<.010
2,4,6-Trichlorophenol	mg/L	<.010
Total Volatile Analysis, MS, (MV00)		
Acetone	mg/L	.025
Acrolein	mg/L	<.025
Acrylonitrile	mg/L	<.013
Benzene	mg/L	<.005
Bromoform	mg/L	<.005
Carbon disulfide	mg/L	<.005
Carbon tetrachloride	mg/L	<.005
Chlorobenzene	mg/L	<.005
Chlorodibromomethane	mg/L	<.005
Chloroethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
Chloroform	mg/L	<.005
2-Chloroethylvinyl ether	mg/L	<.005
3-Chloropropene	mg/L	<.005
1,2-Dibromo-3-chloropropane	mg/L	<.005
Dichlorobromomethane	mg/L	<.005
Dichlorodifluoromethane	mg/L	<.005
1,1-Dichloroethane	mg/L	<.005
1,2-Dichloroethane	mg/L	<.005
1,1-Dichloroethylene	mg/L	<.005
1,2-Dichloropropane	mg/L	<.005
cis-1,3-Dichloropropylene	mg/L	<.005
trans-1,3-Dichloropropylene	mg/L	<.005
Dibromomethane	mg/L	<.005
Ethylbenzene	mg/L	<.005
Ethylene dibromide	mg/L	<.005
Ethyl acetate	mg/L	<.050
Ethyl ether	mg/L	<.005
2-Hexanone	mg/L	<.005
Iodomethane	mg/L	<.005
Methyl bromide	mg/L	<.005
Methyl chloride	mg/L	<.005
Methylene chloride	mg/L	<.005
Methyl ethyl ketone	mg/L	<.010
Methyl-iso-butyl ketone	mg/L	<.010
Styrene	mg/L	<.005
1,1,1,2-Tetrachloroethane	mg/L	<.005
1,1,2,2-Tetrachloroethane	mg/L	<.005
Tetrachloroethylene	mg/L	<.005
Tetrahydrofuran	mg/L	<.005
Toluene	mg/L	<.005
1,1,1-Trichloroethane	mg/L	<.005
1,1,2-Trichloroethane	mg/L	<.005
Trichloroethylene	mg/L	<.005
1,2-Trans-dichloroethylene	mg/L	<.005
Trichlorofluoromethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
1,2,3-Trichloropropane	mg/L	<.005
1,1,2-Trichlorotrifluoroethane	mg/L	<.010
Vinyl acetate	mg/L	<.025
Vinyl chloride	mg/L	<.005
Xylenes	mg/L	<.005

APPENDIX B

QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds		Sample Results	Detection Limits	Blank Results	Batch Number
Cyanide, Total	mg/L	ND	.009	ND	Q1I3319
Oil and Grease	mg/L	111	5.00	ND	Q1I3317
Solids, total suspended	mg/L	38.0	10.0	-	
Total Dissolved Solids (TDS)	mg/L	148	10.0	-	
pH (Electrode)	std	7.18	-	-	

RCRA Total Metals Analysis, (ME50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q1M3881
Barium	.058	.020	ND	Q1M3881
Cadmium	ND	.005	ND	Q1M3881
Chromium	ND	.010	ND	Q1M3881
Lead	.397	.075	ND	Q1M3881
Mercury	ND	.001	ND	Q1G3882
Selenium	ND	.100	ND	Q1M3881
Silver	ND	.010	ND	Q1M3881

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Aldrin	ND	.0001	ND	Q1P40098
Alpha-BHC	ND	.0001	ND	Q1P40098
Beta-BHC	ND	.0001	ND	Q1P40098
Chlordane	ND	.0005	ND	Q1P40098
4,4'-DDD	.0008	.0001	ND	Q1P40098
4,4'-DDE	.0003	.0001	ND	Q1P40098
4,4'-DDT	.002	.0001	ND	Q1P40098
Delta-BHC	ND	.0001	ND	Q1P40098
Dieldrin	ND	.0001	ND	Q1P40098
Endosulfan sulfate	ND	.0001	ND	Q1P40098
Endosulfan I	ND	.0001	ND	Q1P40098
Endosulfan II	ND	.0001	ND	Q1P40098
Endrin	ND	.0001	ND	Q1P40098
Endrin aldehyde	ND	.0001	ND	Q1P40098
Endrin ketone	ND	.0001	ND	Q1P40098
Gamma-BHC	ND	.0001	ND	Q1P40098
Heptachlor	ND	.0001	ND	Q1P40098
Heptachlor epoxide	ND	.0001	ND	Q1P40098
Methoxychlor	ND	.0001	ND	Q1P40098
Toxaphene	ND	.002	ND	Q1P40098
Aroclor 1016	ND	.001	ND	Q1P40098
Aroclor 1221	ND	.001	ND	Q1P40098
Aroclor 1232	ND	.001	ND	Q1P40098
Aroclor 1242	ND	.001	ND	Q1P40098
Aroclor 1248	ND	.001	ND	Q1P40098
Aroclor 1254	ND	.001	ND	Q1P40098
Aroclor 1260	ND	.001	ND	Q1P40098

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Acenaphthene	ND	.010	ND	Q1C40198
Acenaphthylene	ND	.010	ND	Q1C40198
Anthracene	ND	.010	ND	Q1C40198
Benzidine	ND	.010	ND	Q1C40198
Benzoic acid	ND	.025	ND	Q1C40198
Benzyl alcohol	ND	.010	ND	Q1C40198
Benzo(a)anthracene	ND	.010	ND	Q1C40198
Benzo(b)fluoranthene	ND	.010	ND	Q1C40198
Benzo(k)fluoranthene	ND	.010	ND	Q1C40198
Benzo(ghi)perylene	ND	.010	ND	Q1C40198
Benzo(a)pyrene	ND	.010	ND	Q1C40198
bis(2-Chloroethoxy)ethane	ND	.010	ND	Q1C40198
bis(2-Chloroethyl) ether	ND	.010	ND	Q1C40198
bis(2-Chloroethoxy)methane	ND	.010	ND	Q1C40198
bis(2-Chloroisopropyl)ether	ND	.010	ND	Q1C40198
bis(2-Ethylhexyl)phthalate	.063	.010	ND	Q1C40198
4-Bromophenyl phenyl ether	ND	.010	ND	Q1C40198
Butyl benzyl phthalate	ND	.010	ND	Q1C40198
Carbazole	ND	.010	ND	Q1C40198
4-Chloroaniline	ND	.010	ND	Q1C40198
p-Chloro-m-cresol	ND	.010	ND	Q1C40198
2-Chloronaphthalene	ND	.010	ND	Q1C40198
2-Chlorophenol	ND	.010	ND	Q1C40198
4-Chlorophenyl phenyl ether	ND	.010	ND	Q1C40198
3-Chloropropionitrile	ND	.010	ND	Q1C40198
Chrysene	ND	.010	ND	Q1C40198
Cyclohexanone	ND	.010	ND	Q1C40198
Dibenzo(a,h)anthracene	ND	.010	ND	Q1C40198
Dibenzofuran	ND	.010	ND	Q1C40198
Di-n-butyl phthalate	.018	.010	ND	Q1C40198
1,2-Dichlorobenzene	ND	.010	ND	Q1C40198
1,3-Dichlorobenzene	ND	.010	ND	Q1C40198
1,4-Dichlorobenzene	ND	.010	ND	Q1C40198
3,3'-Dichlorobenzidine	ND	.010	ND	Q1C40198
2,4-Dichlorophenol	ND	.010	ND	Q1C40198
2,6-Dichlorophenol	ND	.010	ND	Q1C40198
Diethyl phthalate	ND	.010	ND	Q1C40198
Dimethyl phthalate	ND	.010	ND	Q1C40198
2,4-Dimethylphenol	ND	.010	ND	Q1C40198
4,6-Dinitro-o-cresol	ND	.025	ND	Q1C40198
2,4-Dinitrophenol	ND	.050	ND	Q1C40198
2,4-Dinitrotoluene	ND	.010	ND	Q1C40198
2,6-Dinitrotoluene	ND	.010	ND	Q1C40198
Di-n-octyl phthalate	ND	.010	ND	Q1C40198
2-Ethoxyethanol	ND	.010	ND	Q1C40198
Fluoranthene	ND	.010	ND	Q1C40198
Fluorene	ND	.010	ND	Q1C40198
Hexachlorobenzene	ND	.010	ND	Q1C40198
Hexachlorobutadiene	ND	.010	ND	Q1C40198
Hexachlorocyclopentadiene	ND	.010	ND	Q1C40198

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Hexachloroethane	ND	.010	ND	Q1C40198
Hexachloropropene	ND	.010	ND	Q1C40198
Indeno(1,2,3-c,d)pyrene	ND	.010	ND	Q1C40198
Isophorone	ND	.010	ND	Q1C40198
4,4'-Methylenebis(2-chloroani-line)	ND	.010	ND	Q1C40198
2-Methylnaphthalene	ND	.010	ND	Q1C40198
2-Methylphenol	ND	.010	ND	Q1C40198
4-Methylphenol	ND	.010	ND	Q1C40198
2-Nitropropane	ND	.010	ND	Q1C40198
N-Nitrosodimethylamine	ND	.010	ND	Q1C40198
N-Nitrosodi-n-propylamine	ND	.010	ND	Q1C40198
N-Nitrosodiphenylamine	ND	.010	ND	Q1C40198
Naphthalene	ND	.010	ND	Q1C40198
2-Nitroaniline	ND	.010	ND	Q1C40198
3-Nitroaniline	ND	.010	ND	Q1C40198
4-Nitroaniline	ND	.010	ND	Q1C40198
Nitrobenzene	ND	.010	ND	Q1C40198
2-Nitrophenol	ND	.010	ND	Q1C40198
4-Nitrophenol	ND	.050	ND	Q1C40198
Pentachlorobenzene	ND	.010	ND	Q1C40198
Pentachloronitrobenzene	ND	.010	ND	Q1C40198
Pentachlorophenol	ND	.010	ND	Q1C40198
Pentachloroethane	ND	.010	ND	Q1C40198
Phenanthrene	ND	.010	ND	Q1C40198
Phenol	ND	.010	ND	Q1C40198
Pronamide	ND	.010	ND	Q1C40198
Pyrene	ND	.010	ND	Q1C40198
Pyridine	ND	.010	ND	Q1C40198
1,2,4,5-Tetrachlorobenzene	ND	.010	ND	Q1C40198
2,3,4,6-Tetrachlorophenol	ND	.010	ND	Q1C40198
1,2,4-Trichlorobenzene	ND	.010	ND	Q1C40198
2,4,5-Trichlorophenol	ND	.010	ND	Q1C40198
2,4,6-Trichlorophenol	ND	.010	ND	Q1C40198

3-Methyl- and 4-Methylphenol coelute and are reported as the total

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Acetone	.025	.005	ND	Q1V3330
Acrolein	ND	.025	ND	Q1V3330
Acrylonitrile	ND	.013	ND	Q1V3330
Benzene	ND	.005	ND	Q1V3330
Bromoform	ND	.005	ND	Q1V3330
Carbon disulfide	ND	.005	ND	Q1V3330
Carbon tetrachloride	ND	.005	ND	Q1V3330
Chlorobenzene	ND	.005	ND	Q1V3330
Chlorodibromomethane	ND	.005	ND	Q1V3330
Chloroethane	ND	.005	ND	Q1V3330
Chloroform	ND	.005	ND	Q1V3330
2-Chloroethylvinyl ether	ND	.005	ND	Q1V3330
3-Chloropropene	ND	.005	ND	Q1V3330
1,2-Dibromo-3-chloropropane	ND	.005	ND	Q1V3330
Dichlorobromomethane	ND	.005	ND	Q1V3330
Dichlorodifluoromethane	ND	.005	ND	Q1V3330
1,1-Dichloroethane	ND	.005	ND	Q1V3330
1,2-Dichloroethane	ND	.005	ND	Q1V3330
1,1-Dichloroethylene	ND	.005	ND	Q1V3330
1,2-Dichloropropane	ND	.005	ND	Q1V3330
cis-1,3-Dichloropropylene	ND	.005	ND	Q1V3330
trans-1,3-Dichloropropylene	ND	.005	ND	Q1V3330
Dibromomethane	ND	.005	ND	Q1V3330
Ethylbenzene	ND	.005	ND	Q1V3330
Ethylene dibromide	ND	.005	ND	Q1V3330
Ethyl acetate	ND	.050	ND	Q1V3330
Ethyl ether	ND	.005	ND	Q1V3330
2-Hexanone	ND	.005	ND	Q1V3330
Iodomethane	ND	.005	ND	Q1V3330
Methyl bromide	ND	.005	ND	Q1V3330
Methyl chloride	ND	.005	ND	Q1V3330
Methylene chloride	ND	.005	ND	Q1V3330
Methyl ethyl ketone	ND	.010	ND	Q1V3330
Methyl-iso-butyl ketone	ND	.010	ND	Q1V3330
Styrene	ND	.005	ND	Q1V3330
1,1,1,2-Tetrachloroethane	ND	.005	ND	Q1V3330
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q1V3330
Tetrachloroethylene	ND	.005	ND	Q1V3330
Tetrahydrofuran	ND	.005	ND	Q1V3330
Toluene	ND	.005	ND	Q1V3330
1,1,1-Trichloroethane	ND	.005	ND	Q1V3330
1,1,2-Trichloroethane	ND	.005	ND	Q1V3330
Trichloroethylene	ND	.005	ND	Q1V3330
1,2-Trans-dichloroethylene	ND	.005	ND	Q1V3330
Trichlorofluoromethane	ND	.005	ND	Q1V3330
1,2,3-Trichloropropane	ND	.005	ND	Q1V3330
1,1,2-Trichlorotrifluoroethane	ND	.010	.026	Q1V3330
Vinyl acetate	ND	.025	ND	Q1V3330
Vinyl chloride	ND	.005	ND	Q1V3330
Xylenes	ND	.005	ND	Q1V3330

- Variable QC matrix spike recoveries were attributed to sample matrix interference.

APPENDIX C

QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
pH, Electrode	SW-846	9040
Solids, Total Suspended	CAWW	160.2
Solids, Total Dissolved	CAWW	160.1
Oil & Grease	CAWW	413.1
Cyanide, Total	CLP	335.2
Metals		
Total Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Organics		
Semi-volatile Compounds by GC/MS	SW-846	8270
Volatile Compounds by GC/MS	SW-846	8240
Pesticides and PCBs by GC	SW-846	8080

METHODOLOGY REFERENCES

ASTM	*American Society for Testing and Materials*, 1985 edition.
CAWW	*Methods for Chemical Analysis of Water and Wastes*, April 1979 and Updated #1 March 1983.
CLP	*USEPA Contract Laboratory Program*, Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
EPA-500	*USEPA Methods for the Determination of Organic Compounds in Drinking Water,* EPA-600/4-88/039 December 1988.
EPA-600	*USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, EPA-600/4-82-057 July 1982.
NIOSH	*National Institute for Occupational Safety and Health*, 3rd edition, 1984.
SMEWW	*Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989.
STOA	*Spot Tests In Organic Analysis*, 7th edition, 1966.
SW-846	*Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, 3rd edition, September 1986 and Update #1 July 1992.
(1)	This method was modified to incorporate the use of Boron Trifluoride (BF3) as the derivatizing reagent according to Method 6640 in *SMEWW*, 17th edition, 1989.
Title 22	*Waste Extraction Test*, Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- US Army Corps of Engineers . . . . . Chemical Analysis in Various Matrices

Approvals:

- Chemical Waste Management . . . . . Waste Characterization Analysis
- Envirosafe . . . . . Waste Characterization Analysis
- USDA . . . . . Permit for Importing Soils
- Florida DEP . . . . . Quality Assurance Plan #930034G
- Naval Energy and Environmental Support Activity . . . . . Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	=	milligram per kilogram (ppm)
Mg/m^3	=	milligram per cubic meter
ug/kg	=	microgram per kilogram (ppb)
mg/L	=	milligram per liter (ppm)
mg/W	=	milligram per wipe
ug/L	=	microgram per liter (ppb)
ug/W	=	microgram per wipe
ug/SMP	=	microgram per sample
um/cm	=	microMho per centimeter
pCi/l	=	picocurie per liter
ppm	=	parts per million
ppb	=	parts per billion
ND	=	Not detected at or above stated detection limit
<	=	less than
>	=	greater than
%	=	percent
BTU/lb	=	British Thermal Units per pound
Deg. C	=	Degrees Celsius
gm/cc	=	grams per cubic centimeter
n/a	=	not applicable
std	=	result is relative to standard pH units
CV	=	Conventionals
IR	=	Infrared Spectrophotometric
GC	=	Gas Chromatograph Instrument
GC/MS	=	Gas Chromatography/Mass Spectrometer Instrument
GRO	=	Gasoline Range Organics
DRO	=	Diesel Range Organics
PCB	=	Polychlorinated Biphenyls (PCBs)
EP TOX	=	Extraction Procedure Toxicity
TCLP	=	Toxicity Characteristic Leaching Procedure
RCRA	=	Resource Conservation and Recovery Act

Quality Assurance Data

Conventional Data (CV10)

Compounds		Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Cyanide, Total	mg/L	ND	108	96.5	82	3	Q1I3319
Oil and Grease	mg/L	ND	94	-	-	-	Q1I3317

QUALITY ASSURANCE DATA

RCRA TOTAL METALS ANALYSIS, (ME50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	94	ND	87	4	Q1M3881
Barium	ND	98	.058	90	5	Q1M3881
Cadmium	ND	93	ND	86	3	Q1M3881
Chromium	ND	94	ND	87	3	Q1M3881
Lead	ND	90	.397	82	5	Q1M3881
Mercury	ND	100	ND	88	3	Q1G3882
Selenium	ND	91	ND	85	4	Q1M3881
Silver	ND	89	ND	96	11	Q1M3881

Quality Assurance Data

Total Pesticide and PCB Analysis, GC, (GS05)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	60	ND	73	6	Q1P40098
Alpha-BHC	ND	65	ND	69	9	Q1P40098
Beta-BHC	ND	83	ND	81	8	Q1P40098
Chlordane	ND	88	ND	89	4	Q1P40098
4,4'-DDD	ND	70	.0008	75	1	Q1P40098
4,4'-DDE	ND	75	.0003	83	2	Q1P40098
4,4'-DDT	ND	92	.002	94	1	Q1P40098
Delta-BHC	ND	75	ND	79	3	Q1P40098
Dieldrin	ND	76	ND	74	5	Q1P40098
Endosulfan sulfate	ND	58	ND	64	4	Q1P40098
Endosulfan I	ND	90	ND	91	5	Q1P40098
Endosulfan II	ND	80	ND	81	4	Q1P40098
Endrin	ND	74	ND	78	2	Q1P40098
Endrin aldehyde	ND	63	ND	59	18	Q1P40098
Endrin ketone	ND	65	ND	66	6	Q1P40098
Gamma-BHC	ND	67	ND	70	5	Q1P40098
Heptachlor	ND	71	ND	86	7	Q1P40098
Heptachlor epoxide	ND	78	ND	84	5	Q1P40098
Methoxychlor	ND	76	ND	74	5	Q1P40098

QUALITY ASSURANCE DATA

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	94	ND	97	5	Q1C40198
Acenaphthylene	ND	99	ND	102	5	Q1C40198
Anthracene	ND	85	ND	88	15	Q1C40198
Benzoic acid	ND	26	ND	39	-	Q1C40198
Benzo(a)pyrene	ND	102	ND	112	30	Q1C40198
bis(2-Ethylhexyl)phthalate	ND	106	.063	125	13	Q1C40198
Butyl benzyl phthalate	ND	98	ND	105	10	Q1C40198
Carbazole	ND	86	ND	93	13	Q1C40198
4-Chloroaniline	ND	32	ND	22	5	Q1C40198
p-Chloro-m-cresol	ND	85	ND	90	9	Q1C40198
2-Chlorophenol	ND	86	ND	90	6	Q1C40198
Chrysene	ND	102	ND	114	20	Q1C40198
Cyclohexanone	ND	21	ND	22	6	Q1C40198
Di-n-butyl phthalate	ND	99	.018	112	15	Q1C40198
1,2-Dichlorobenzene	ND	70	ND	77	1	Q1C40198
1,4-Dichlorobenzene	ND	65	ND	73	2	Q1C40198
3,3'-Dichlorobenzidine	ND	76	ND	35	1	Q1C40198
2,4-Dichlorophenol	ND	83	ND	82	10	Q1C40198
2,4-Dinitrophenol	ND	54	ND	45	-	Q1C40198
2,4-Dinitrotoluene	ND	104	ND	100	9	Q1C40198
Hexachloroethane	ND	53	ND	68	3	Q1C40198
Isophorone	ND	93	ND	93	4	Q1C40198
4,4'-Methylenebis(2-chloroaniline)	ND	71	ND	23	60	Q1C40198
2-Methylnaphthalene	ND	79	ND	90	8	Q1C40198
2-Methylphenol	ND	76	ND	82	2	Q1C40198
N-Nitrosodi-n-propylamine	ND	91	ND	94	4	Q1C40198
4-Nitroaniline	ND	104	ND	91	3	Q1C40198
4-Nitrophenol	ND	54	ND	7	-	Q1C40198
Pentachloronitrobenzene	ND	90	ND	101	12	Q1C40198
Pentachlorophenol	ND	132	ND	160	15	Q1C40198
Phenol	ND	50	ND	69	2	Q1C40198
Pyrene	ND	102	ND	120	12	Q1C40198
2,3,4,6-Tetrachlorophenol	ND	84	ND	88	11	Q1C40198
1,2,4-Trichlorobenzene	ND	70	ND	82	10	Q1C40198
2,4,5-Trichlorophenol	ND	99	ND	93	4	Q1C40198
2,4,6-Trichlorophenol	ND	92	ND	95	11	Q1C40198

3-Methyl- and 4-Methylphenol coelute and are reported as the total
Matrix spike recoveries below the detection limits were observed for analytes designated with a dash for the RPD of replicate matrix spikes.

QUALITY ASSURANCE DATA

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acetone	ND	106	.025	81	20	Q1V3330
Acrolein	ND	88	ND	6	-	Q1V3330
Acrylonitrile	ND	96	ND	106	12	Q1V3330
Benzene	ND	99	ND	100	22	Q1V3330
Bromoform	ND	100	ND	101	14	Q1V3330
Carbon disulfide	ND	92	ND	97	6	Q1V3330
Carbon tetrachloride	ND	98	ND	100	8	Q1V3330
Chlorobenzene	ND	101	ND	97	47	Q1V3330
Chlorodibromomethane	ND	100	ND	97	16	Q1V3330
Chloroethane	ND	88	ND	94	4	Q1V3330
Chloroform	ND	98	ND	97	8	Q1V3330
2-Chloroethylvinyl ether	ND	54	ND	103	19	Q1V3330
3-Chloropropene	ND	92	ND	98	7	Q1V3330
1,2-Dibromo-3-chloropropane	ND	105	ND	111	16	Q1V3330
Dichlorobromomethane	ND	98	ND	96	12	Q1V3330
Dichlorodifluoromethane	ND	93	ND	99	8	Q1V3330
1,1-Dichloroethane	ND	95	ND	98	9	Q1V3330
1,2-Dichloroethane	ND	97	ND	97	14	Q1V3330
1,1-Dichloroethylene	ND	95	ND	98	8	Q1V3330
1,2-Dichloropropane	ND	101	ND	99	13	Q1V3330
cis-1,3-Dichloropropylene	ND	92	ND	90	13	Q1V3330
trans-1,3-Dichloropropylene	ND	104	ND	101	16	Q1V3330
Dibromomethane	ND	97	ND	96	16	Q1V3330
Ethylbenzene	ND	101	ND	101	10	Q1V3330
Ethylene dibromide	ND	103	ND	104	13	Q1V3330
Ethyl acetate	ND	99	ND	62	14	Q1V3330
Ethyl ether	ND	93	ND	92	14	Q1V3330
2-Hexanone	ND	95	ND	113	14	Q1V3330
Iodomethane	ND	94	ND	95	8	Q1V3330
Methyl bromide	ND	90	ND	100	1	Q1V3330
Methyl chloride	ND	92	ND	99	1	Q1V3330
Methylene chloride	ND	91	ND	92	9	Q1V3330
Methyl ethyl ketone	ND	118	ND	101	30	Q1V3330
Methyl-iso-butyl ketone	ND	98	ND	108	14	Q1V3330
Styrene	ND	104	ND	99	12	Q1V3330
1,1,1,2-Tetrachloroethane	ND	101	ND	99	12	Q1V3330
1,1,2,2-Tetrachloroethane	ND	105	ND	104	18	Q1V3330
Tetrachloroethylene	ND	101	ND	98	11	Q1V3330
Tetrahydrofuran	ND	92	ND	100	16	Q1V3330
Toluene	ND	99	ND	98	13	Q1V3330
1,1,1-Trichloroethane	ND	94	ND	98	4	Q1V3330
1,1,2-Trichloroethane	ND	101	ND	100	15	Q1V3330
Trichloroethylene	ND	97	ND	100	8	Q1V3330
1,2-Trans-dichloroethylene	ND	93	ND	97	6	Q1V3330
Trichlorofluoromethane	ND	93	ND	97	5	Q1V3330
1,2,3-Trichloropropane	ND	103	ND	107	13	Q1V3330
1,1,2-Trichlorotrifluoroethane	.026	44	ND	98	10	Q1V3330
Vinyl acetate	ND	101	ND	11	-	Q1V3330
Vinyl chloride	ND	94	ND	95	5	Q1V3330
Xylenes	ND	101	ND	100	12	Q1V3330

QUALITY ASSURANCE DATA
SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
QC BATCH: Q1C40198 **Aqueous (Semi-Volatile organics by MS)**							
SAMPLE ID							
BLANK	67	45	113	83	99	120	0
BLANK SPIKE	65	48	102	83	91	105	0
CLJ-DWW-02	51	36	88	69	92	101	0
CLJ-DWW-02 MD	77	63	88	89	90	107	0
CLJ-DWW-02 MS	76	67	92	88	97	121	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	B816	A500	# OUT
QC BATCH: Q1P40098 **Aqueous (Pesticide compounds by GC)**			
SAMPLE ID			
BLANK	47	45	0
BLANK SPIKE	56	59	0
CLJ-DWW-02	79	27	0
CLJ-DWW-02 MD	83	43	0
CLJ-DWW-02 MS	76	44	0
QC LIMITS	(37-116)	(14-147)	

SURROGATE ID	A047	B185	B668	# OUT
QC BATCH: Q1V3330 **Aqueous (Volatile organics by MS)**				
SAMPLE ID				
BLANK	93	94	99	0
BLANK SPIKE	99	98	99	0
CLJ-DWW-02	95	95	101	0
CLJ-DWW-02 MD	106	103	104	0
CLJ-DWW-02 MS	94	94	95	0
QC LIMITS	(76-114)	(88-110)	(86-115)	

SURROGATE ID

A047 = 1,2-Dichloroethane-D4
B185 = Toluene-D8
B668 = Bromofluorobenzene
A159 = 2-Fluorophenol
B732 = Phenol-D6
A121 = 2,4,6-Tribromophenol
A884 = Nitrobenzene-D5
A158 = 2-Fluorobiphenyl
B142 = Terphenyl-D14
B816 = 2,4,5,6-Tetrachloro-m-xylene
A500 = Decachlorobiphenyl

* Values outside of method quality control limits
D Surrogate diluted out

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Southern Region (Morrisville, NC)

Attn: Kent Geis

Project: 15226N - Camp LaJeune, Jacksonville, NC

Sample(s): CLJ-DWW-02

Sample Type(s): Liquid

Analysis Performed: Conventionals, Metals and Organics

Date Sample Received: March 2, 1994

Date Order Received: March 2, 1994

Joblink(s): 615282

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by: _____ *Date:* 3-14-94
Thomas E. Gran, Ph.D., Vice President

16406 U.S. Route 224 East ■ P.O. Box 1404 ■ Findlay, Ohio 45839-1404 ■ 419-423-3526

PROJECT NARRATIVE

The following items relate to the samples and analytical data contained in this report.

- The identity of all pesticide compounds were confirmed by secondary column analysis.
- Note any and all comments at the bottom of the tables in Appendix B and/or Appendix C.
- **ASC** will retain samples for a maximum of thirty (30) days after completion of the analysis, samples will be held for a longer period of time, if appropriate arrangements are made in advance. A nominal disposal charge of $5.00/ sample will be imposed for unreturned samples.

APPENDIX A

DATA SUMMARY REPORT

NOTE: The GC/MS screen data, if applicable, is included in Appendix B.

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Conventional Data (CV10)		
Cyanide, Total	mg/L	<.009
Oil and Grease	mg/L	111
Solids, total suspended	mg/L	38.0
Total Dissolved Solids (TDS)	mg/L	148
pH (Electrode)	std	7.18
Total Pesticide and PCB Analysis, GC, (GS05)		
Aldrin	mg/L	<.0001
Alpha-BHC	mg/L	<.0001
Beta-BHC	mg/L	<.0001
Chlordane	mg/L	<.0005
4,4'-DDD	mg/L	.0008
4,4'-DDE	mg/L	.0003
4,4'-DDT	mg/L	.002
Delta-BHC	mg/L	<.0001
Dieldrin	mg/L	<.0001
Endosulfan sulfate	mg/L	<.0001
Endosulfan I	mg/L	<.0001
Endosulfan II	mg/L	<.0001
Endrin	mg/L	<.0001
Endrin aldehyde	mg/L	<.0001
Endrin ketone	mg/L	<.0001
Gamma-BHC	mg/L	<.0001
Heptachlor	mg/L	<.0001
Heptachlor epoxide	mg/L	<.0001
Methoxychlor	mg/L	<.0001
Toxaphene	mg/L	<.002
Aroclor 1016	mg/L	<.001
Aroclor 1221	mg/L	<.001
Aroclor 1232	mg/L	<.001
Aroclor 1242	mg/L	<.001
Aroclor 1248	mg/L	<.001
Aroclor 1254	mg/L	<.001
Aroclor 1260	mg/L	<.001

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
RCRA Total Metals Analysis, (ME50)		
Arsenic	mg/L	<.100
Barium	mg/L	.058
Cadmium	mg/L	<.005
Chromium	mg/L	<.010
Lead	mg/L	.397
Mercury	mg/L	<.001
Selenium	mg/L	<.100
Silver	mg/L	<.010
Total Base/Neutral/Acid Analysis, MS, (MS02)		
Acenaphthene	mg/L	<.010
Acenaphthylene	mg/L	<.010
Anthracene	mg/L	<.010
Benzidine	mg/L	<.010
Benzoic acid	mg/L	<.025
Benzyl alcohol	mg/L	<.010
Benzo(a)anthracene	mg/L	<.010
Benzo(b)fluoranthene	mg/L	<.010
Benzo(k)fluoranthene	mg/L	<.010
Benzo(ghi)perylene	mg/L	<.010
Benzo(a)pyrene	mg/L	<.010
bis(2-Chloroethoxy)ethane	mg/L	<.010
bis(2-Chloroethyl) ether	mg/L	<.010
bis(2-Chloroethoxy)methane	mg/L	<.010
bis(2-Chloroisopropyl)ether	mg/L	<.010
bis(2-Ethylhexyl)phthalate	mg/L	.063
4-Bromophenyl phenyl ether	mg/L	<.010
Butyl benzyl phthalate	mg/L	<.010
Carbazole	mg/L	<.010
4-Chloroaniline	mg/L	<.010
p-Chloro-m-cresol	mg/L	<.010
2-Chloronaphthalene	mg/L	<.010
2-Chlorophenol	mg/L	<.010
4-Chlorophenyl phenyl ether	mg/L	<.010
3-Chloropropionitrile	mg/L	<.010

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Total Base/Neutral/Acid Analysis, MS, (MS02)

Parameters	Units	
Chrysene	mg/L	<.010
Cyclohexanone	mg/L	<.010
Dibenzo(a,h)anthracene	mg/L	<.010
Dibenzofuran	mg/L	<.010
Di-n-butyl phthalate	mg/L	.018
1,2-Dichlorobenzene	mg/L	<.010
1,3-Dichlorobenzene	mg/L	<.010
1,4-Dichlorobenzene	mg/L	<.010
3,3'-Dichlorobenzidine	mg/L	<.010
2,4-Dichlorophenol	mg/L	<.010
2,6-Dichlorophenol	mg/L	<.010
Diethyl phthalate	mg/L	<.010
Dimethyl phthalate	mg/L	<.010
2,4-Dimethylphenol	mg/L	<.010
4,6-Dinitro-o-cresol	mg/L	<.025
2,4-Dinitrophenol	mg/L	<.050
2,4-Dinitrotoluene	mg/L	<.010
2,6-Dinitrotoluene	mg/L	<.010
Di-n-octyl phthalate	mg/L	<.010
2-Ethoxyethanol	mg/L	<.010
Fluoranthene	mg/L	<.010
Fluorene	mg/L	<.010
Hexachlorobenzene	mg/L	<.010
Hexachlorobutadiene	mg/L	<.010
Hexachlorocyclopentadiene	mg/L	<.010
Hexachloroethane	mg/L	<.010
Hexachloropropene	mg/L	<.010
Indeno(1,2,3-c,d)pyrene	mg/L	<.010
Isophorone	mg/L	<.010
4,4'-Methylenebis(2-chloroaniline)	mg/L	<.010
2-Methylnaphthalene	mg/L	<.010
2-Methylphenol	mg/L	<.010
4-Methylphenol	mg/L	<.010
2-Nitropropane	mg/L	<.010
N-Nitrosodimethylamine	mg/L	<.010

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Base/Neutral/Acid Analysis, MS, (MS02)		
N-Nitrosodi-n-propylamine	mg/L	<.010
N-Nitrosodiphenylamine	mg/L	<.010
Naphthalene	mg/L	<.010
2-Nitroaniline	mg/L	<.010
3-Nitroaniline	mg/L	<.010
4-Nitroaniline	mg/L	<.010
Nitrobenzene	mg/L	<.010
2-Nitrophenol	mg/L	<.010
4-Nitrophenol	mg/L	<.050
Pentachlorobenzene	mg/L	<.010
Pentachloronitrobenzene	mg/L	<.010
Pentachlorophenol	mg/L	<.010
Pentachloroethane	mg/L	<.010
Phenanthrene	mg/L	<.010
Phenol	mg/L	<.010
Pronamide	mg/L	<.010
Pyrene	mg/L	<.010
Pyridine	mg/L	<.010
1,2,4,5-Tetrachlorobenzene	mg/L	<.010
2,3,4,6-Tetrachlorophenol	mg/L	<.010
1,2,4-Trichlorobenzene	mg/L	<.010
2,4,5-Trichlorophenol	mg/L	<.010
2,4,6-Trichlorophenol	mg/L	<.010
Total Volatile Analysis, MS, (MV00)		
Acetone	mg/L	.025
Acrolein	mg/L	<.025
Acrylonitrile	mg/L	<.013
Benzene	mg/L	<.005
Bromoform	mg/L	<.005
Carbon disulfide	mg/L	<.005
Carbon tetrachloride	mg/L	<.005
Chlorobenzene	mg/L	<.005
Chlorodibromomethane	mg/L	<.005
Chloroethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
Chloroform	mg/L	<.005
2-Chloroethylvinyl ether	mg/L	<.005
3-Chloropropene	mg/L	<.005
1,2-Dibromo-3-chloropropane	mg/L	<.005
Dichlorobromomethane	mg/L	<.005
Dichlorodifluoromethane	mg/L	<.005
1,1-Dichloroethane	mg/L	<.005
1,2-Dichloroethane	mg/L	<.005
1,1-Dichloroethylene	mg/L	<.005
1,2-Dichloropropane	mg/L	<.005
cis-1,3-Dichloropropylene	mg/L	<.005
trans-1,3-Dichloropropylene	mg/L	<.005
Dibromomethane	mg/L	<.005
Ethylbenzene	mg/L	<.005
Ethylene dibromide	mg/L	<.005
Ethyl acetate	mg/L	<.050
Ethyl ether	mg/L	<.005
2-Hexanone	mg/L	<.005
Iodomethane	mg/L	<.005
Methyl bromide	mg/L	<.005
Methyl chloride	mg/L	<.005
Methylene chloride	mg/L	<.005
Methyl ethyl ketone	mg/L	<.010
Methyl-iso-butyl ketone	mg/L	<.010
Styrene	mg/L	<.005
1,1,1,2-Tetrachloroethane	mg/L	<.005
1,1,2,2-Tetrachloroethane	mg/L	<.005
Tetrachloroethylene	mg/L	<.005
Tetrahydrofuran	mg/L	<.005
Toluene	mg/L	<.005
1,1,1-Trichloroethane	mg/L	<.005
1,1,2-Trichloroethane	mg/L	<.005
Trichloroethylene	mg/L	<.005
1,2-Trans-dichloroethylene	mg/L	<.005
Trichlorofluoromethane	mg/L	<.005

DATA SUMMARY REPORT

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID: **CLJ-DWW-02**
ASC Sample Number: JM4135
Sample Date: 940301
Facility Code: 015226N

Parameters	Units	
Total Volatile Analysis, MS, (MV00)		
1,2,3-Trichloropropane	mg/L	<.005
1,1,2-Trichlorotrifluoroethane	mg/L	<.010
Vinyl acetate	mg/L	<.025
Vinyl chloride	mg/L	<.005
Xylenes	mg/L	<.005

APPENDIX B

QUANTITATIVE RESULTS

CONVENTIONAL DATA (CV10)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds		**Sample Results**	Detection Limits	Blank Results	Batch Number
Cyanide, Total	mg/L	ND	.009	ND	Q1I3319
Oil and Grease	mg/L	111	5.00	ND	Q1I3317
Solids, total suspended	mg/L	38.0	10.0	-	
Total Dissolved Solids (TDS)	mg/L	148	10.0	-	
pH (Electrode)	std	7.18	-	-	

RCRA Total Metals Analysis, (ME50)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Arsenic	ND	.100	ND	Q1M3881
Barium	.058	.020	ND	Q1M3881
Cadmium	ND	.005	ND	Q1M3881
Chromium	ND	.010	ND	Q1M3881
Lead	.397	.075	ND	Q1M3881
Mercury	ND	.001	ND	Q1G3882
Selenium	ND	.100	ND	Q1M3881
Silver	ND	.010	ND	Q1M3881

TOTAL PESTICIDE AND PCB ANALYSIS, GC, (GS05)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Aldrin	ND	.0001	ND	Q1P40098
Alpha-BHC	ND	.0001	ND	Q1P40098
Beta-BHC	ND	.0001	ND	Q1P40098
Chlordane	ND	.0005	ND	Q1P40098
4,4'-DDD	.0008	.0001	ND	Q1P40098
4,4'-DDE	.0003	.0001	ND	Q1P40098
4,4'-DDT	.002	.0001	ND	Q1P40098
Delta-BHC	ND	.0001	ND	Q1P40098
Dieldrin	ND	.0001	ND	Q1P40098
Endosulfan sulfate	ND	.0001	ND	Q1P40098
Endosulfan I	ND	.0001	ND	Q1P40098
Endosulfan II	ND	.0001	ND	Q1P40098
Endrin	ND	.0001	ND	Q1P40098
Endrin aldehyde	ND	.0001	ND	Q1P40098
Endrin ketone	ND	.0001	ND	Q1P40098
Gamma-BHC	ND	.0001	ND	Q1P40098
Heptachlor	ND	.0001	ND	Q1P40098
Heptachlor epoxide	ND	.0001	ND	Q1P40098
Methoxychlor	ND	.0001	ND	Q1P40098
Toxaphene	ND	.002	ND	Q1P40098
Aroclor 1016	ND	.001	ND	Q1P40098
Aroclor 1221	ND	.001	ND	Q1P40098
Aroclor 1232	ND	.001	ND	Q1P40098
Aroclor 1242	ND	.001	ND	Q1P40098
Aroclor 1248	ND	.001	ND	Q1P40098
Aroclor 1254	ND	.001	ND	Q1P40098
Aroclor 1260	ND	.001	ND	Q1P40098

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Acenaphthene	ND	.010	ND	Q1C40198
Acenaphthylene	ND	.010	ND	Q1C40198
Anthracene	ND	.010	ND	Q1C40198
Benzidine	ND	.010	ND	Q1C40198
Benzoic acid	ND	.025	ND	Q1C40198
Benzyl alcohol	ND	.010	ND	Q1C40198
Benzo(a)anthracene	ND	.010	ND	Q1C40198
Benzo(b)fluoranthene	ND	.010	ND	Q1C40198
Benzo(k)fluoranthene	ND	.010	ND	Q1C40198
Benzo(ghi)perylene	ND	.010	ND	Q1C40198
Benzo(a)pyrene	ND	.010	ND	Q1C40198
bis(2-Chloroethoxy)ethane	ND	.010	ND	Q1C40198
bis(2-Chloroethyl) ether	ND	.010	ND	Q1C40198
bis(2-Chloroethoxy)methane	ND	.010	ND	Q1C40198
bis(2-Chloroisopropyl)ether	ND	.010	ND	Q1C40198
bis(2-Ethylhexyl)phthalate	.063	.010	ND	Q1C40198
4-Bromophenyl phenyl ether	ND	.010	ND	Q1C40198
Butyl benzyl phthalate	ND	.010	ND	Q1C40198
Carbazole	ND	.010	ND	Q1C40198
4-Chloroaniline	ND	.010	ND	Q1C40198
p-Chloro-m-cresol	ND	.010	ND	Q1C40198
2-Chloronaphthalene	ND	.010	ND	Q1C40198
2-Chlorophenol	ND	.010	ND	Q1C40198
4-Chlorophenyl phenyl ether	ND	.010	ND	Q1C40198
3-Chloropropionitrile	ND	.010	ND	Q1C40198
Chrysene	ND	.010	ND	Q1C40198
Cyclohexanone	ND	.010	ND	Q1C40198
Dibenzo(a,h)anthracene	ND	.010	ND	Q1C40198
Dibenzofuran	ND	.010	ND	Q1C40198
Di-n-butyl phthalate	.018	.010	ND	Q1C40198
1,2-Dichlorobenzene	ND	.010	ND	Q1C40198
1,3-Dichlorobenzene	ND	.010	ND	Q1C40198
1,4-Dichlorobenzene	ND	.010	ND	Q1C40198
3,3'-Dichlorobenzidine	ND	.010	ND	Q1C40198
2,4-Dichlorophenol	ND	.010	ND	Q1C40198
2,6-Dichlorophenol	ND	.010	ND	Q1C40198
Diethyl phthalate	ND	.010	ND	Q1C40198
Dimethyl phthalate	ND	.010	ND	Q1C40198
2,4-Dimethylphenol	ND	.010	ND	Q1C40198
4,6-Dinitro-o-cresol	ND	.025	ND	Q1C40198
2,4-Dinitrophenol	ND	.050	ND	Q1C40198
2,4-Dinitrotoluene	ND	.010	ND	Q1C40198
2,6-Dinitrotoluene	ND	.010	ND	Q1C40198
Di-n-octyl phthalate	ND	.010	ND	Q1C40198
2-Ethoxyethanol	ND	.010	ND	Q1C40198
Fluoranthene	ND	.010	ND	Q1C40198
Fluorene	ND	.010	ND	Q1C40198
Hexachlorobenzene	ND	.010	ND	Q1C40198
Hexachlorobutadiene	ND	.010	ND	Q1C40198
Hexachlorocyclopentadiene	ND	.010	ND	Q1C40198

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Hexachloroethane	ND	.010	ND	Q1C40198
Hexachloropropene	ND	.010	ND	Q1C40198
Indeno(1,2,3-c,d)pyrene	ND	.010	ND	Q1C40198
Isophorone	ND	.010	ND	Q1C40198
4,4'-Methylenebis(2-chloroaniline)	ND	.010	ND	Q1C40198
2-Methylnaphthalene	ND	.010	ND	Q1C40198
2-Methylphenol	ND	.010	ND	Q1C40198
4-Methylphenol	ND	.010	ND	Q1C40198
2-Nitropropane	ND	.010	ND	Q1C40198
N-Nitrosodimethylamine	ND	.010	ND	Q1C40198
N-Nitrosodi-n-propylamine	ND	.010	ND	Q1C40198
N-Nitrosodiphenylamine	ND	.010	ND	Q1C40198
Naphthalene	ND	.010	ND	Q1C40198
2-Nitroaniline	ND	.010	ND	Q1C40198
3-Nitroaniline	ND	.010	ND	Q1C40198
4-Nitroaniline	ND	.010	ND	Q1C40198
Nitrobenzene	ND	.010	ND	Q1C40198
2-Nitrophenol	ND	.010	ND	Q1C40198
4-Nitrophenol	ND	.050	ND	Q1C40198
Pentachlorobenzene	ND	.010	ND	Q1C40198
Pentachloronitrobenzene	ND	.010	ND	Q1C40198
Pentachlorophenol	ND	.010	ND	Q1C40198
Pentachloroethane	ND	.010	ND	Q1C40198
Phenanthrene	ND	.010	ND	Q1C40198
Phenol	ND	.010	ND	Q1C40198
Pronamide	ND	.010	ND	Q1C40198
Pyrene	ND	.010	ND	Q1C40198
Pyridine	ND	.010	ND	Q1C40198
1,2,4,5-Tetrachlorobenzene	ND	.010	ND	Q1C40198
2,3,4,6-Tetrachlorophenol	ND	.010	ND	Q1C40198
1,2,4-Trichlorobenzene	ND	.010	ND	Q1C40198
2,4,5-Trichlorophenol	ND	.010	ND	Q1C40198
2,4,6-Trichlorophenol	ND	.010	ND	Q1C40198

3-Methyl- and 4-Methylphenol coelute and are reported as the total

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Company Name	Facility	Sample Point	ASC Sample No.
OHM REMEDIATION SERVICES CORPORATION	015226N	CLJ-DWW-02	JM4135

Compounds	**Sample Results** mg/L	Detection Limits mg/L	Blank Results mg/L	Batch Number
Acetone	.025	.005	ND	Q1V3330
Acrolein	ND	.025	ND	Q1V3330
Acrylonitrile	ND	.013	ND	Q1V3330
Benzene	ND	.005	ND	Q1V3330
Bromoform	ND	.005	ND	Q1V3330
Carbon disulfide	ND	.005	ND	Q1V3330
Carbon tetrachloride	ND	.005	ND	Q1V3330
Chlorobenzene	ND	.005	ND	Q1V3330
Chlorodibromomethane	ND	.005	ND	Q1V3330
Chloroethane	ND	.005	ND	Q1V3330
Chloroform	ND	.005	ND	Q1V3330
2-Chloroethylvinyl ether	ND	.005	ND	Q1V3330
3-Chloropropene	ND	.005	ND	Q1V3330
1,2-Dibromo-3-chloropropane	ND	.005	ND	Q1V3330
Dichlorobromomethane	ND	.005	ND	Q1V3330
Dichlorodifluoromethane	ND	.005	ND	Q1V3330
1,1-Dichloroethane	ND	.005	ND	Q1V3330
1,2-Dichloroethane	ND	.005	ND	Q1V3330
1,1-Dichloroethylene	ND	.005	ND	Q1V3330
1,2-Dichloropropane	ND	.005	ND	Q1V3330
cis-1,3-Dichloropropylene	ND	.005	ND	Q1V3330
trans-1,3-Dichloropropylene	ND	.005	ND	Q1V3330
Dibromomethane	ND	.005	ND	Q1V3330
Ethylbenzene	ND	.005	ND	Q1V3330
Ethylene dibromide	ND	.005	ND	Q1V3330
Ethyl acetate	ND	.050	ND	Q1V3330
Ethyl ether	ND	.005	ND	Q1V3330
2-Hexanone	ND	.005	ND	Q1V3330
Iodomethane	ND	.005	ND	Q1V3330
Methyl bromide	ND	.005	ND	Q1V3330
Methyl chloride	ND	.005	ND	Q1V3330
Methylene chloride	ND	.005	ND	Q1V3330
Methyl ethyl ketone	ND	.010	ND	Q1V3330
Methyl-iso-butyl ketone	ND	.010	ND	Q1V3330
Styrene	ND	.005	ND	Q1V3330
1,1,1,2-Tetrachloroethane	ND	.005	ND	Q1V3330
1,1,2,2-Tetrachloroethane	ND	.005	ND	Q1V3330
Tetrachloroethylene	ND	.005	ND	Q1V3330
Tetrahydrofuran	ND	.005	ND	Q1V3330
Toluene	ND	.005	ND	Q1V3330
1,1,1-Trichloroethane	ND	.005	ND	Q1V3330
1,1,2-Trichloroethane	ND	.005	ND	Q1V3330
Trichloroethylene	ND	.005	ND	Q1V3330
1,2-Trans-dichloroethylene	ND	.005	ND	Q1V3330
Trichlorofluoromethane	ND	.005	ND	Q1V3330
1,2,3-Trichloropropane	ND	.005	ND	Q1V3330
1,1,2-Trichlorotrifluoroethane	ND	.010	.026	Q1V3330
Vinyl acetate	ND	.025	ND	Q1V3330
Vinyl chloride	ND	.005	ND	Q1V3330
Xylenes	ND	.005	ND	Q1V3330

- Variable QC matrix spike recoveries were attributed to sample matrix interference.

APPENDIX C

QUALITY ASSURANCE DATA

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
pH, Electrode	SW-846	9040
Solids, Total Suspended	CAWW	160.2
Solids, Total Dissolved	CAWW	160.1
Oil & Grease	CAWW	413.1
Cyanide, Total	CLP	335.2
Metals		
Total Metals	SW-846	6010
Mercury by Cold Vapor	SW-846	7470
Organics		
Semi-volatile Compounds by GC/MS	SW-846	8270
Volatile Compounds by GC/MS	SW-846	8240
Pesticides and PCBs by GC	SW-846	8080

METHODOLOGY REFERENCES

ASTM	*American Society for Testing and Materials*, 1985 edition.
CAWW	*Methods for Chemical Analysis of Water and Wastes*, April 1979 and Updated #1 March 1983.
CLP	*USEPA Contract Laboratory Program*, Document #OLMO1.0, updates December 1990 #OLMO1.1 and February 1991 #OLMO1.1.1.
EPA-500	*USEPA Methods for the Determination of Organic Compounds in Drinking Water,* EPA-600/4-88/039 December 1988.
EPA-600	*USEPA Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater*, EPA-600/4-82-057 July 1982.
NIOSH	*National Institute for Occupational Safety and Health*, 3rd edition, 1984.
SMEWW	*Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989.
STOA	*Spot Tests In Organic Analysis*, 7th edition, 1966.
SW-846	*Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, 3rd edition, September 1986 and Update #1 July 1992.
(1)	This method was modified to incorporate the use of Boron Trifluoride (BF3) as the derivatizing reagent according to Method 6640 in *SMEWW*, 17th edition, 1989.
Title 22	*Waste Extraction Test*, Title 22, Section 66261.126 Appendix 2 of the California Administrative Code, May 1991.

ASC Certifications

State	Agency	Certification #
Alabama	ADEM	40830
California	CADOH	1178
Colorado	CODOH	OH113
Delaware	DEHSS	OH113
Kansas	KSDHE	E-202 & E-1173
Louisiana	LADOHH	92-10
Maryland	MDDHMH	210
Massachusetts	MADEP	M-OH113
New Jersey	NJDEPE	74603
New York	NYDOH	10712
North Carolina	NCDEM	392
Ohio	OHEPA	OH113
Oklahoma	OKDEQ	9216
Pennsylvania	PADER	68-450
South Carolina	SCDEHNR	92002
Tennessee	TNDOH/TNDEC	2978
Virginia	VADGS	00011
Washington	WADOE	C154
Wisconsin	WIDNR	999037160

Validated by:

- US Army Corps of Engineers . . . . . Chemical Analysis in Various Matrices

Approvals:

- Chemical Waste Management . . . . . Waste Characterization Analysis
- Envirosafe . . . . . Waste Characterization Analysis
- USDA . . . . . Permit for Importing Soils
- Florida DEP . . . . . Quality Assurance Plan #930034G
- Naval Energy and Environmental Support Activity . . . . . Chemical Analysis in Various Matrices

REPORT KEY

mg/kg	=	milligram per kilogram (ppm)
Mg/m^3	=	milligram per cubic meter
ug/kg	=	microgram per kilogram (ppb)
mg/L	=	milligram per liter (ppm)
mg/W	=	milligram per wipe
ug/L	=	microgram per liter (ppb)
ug/W	=	microgram per wipe
ug/SMP	=	microgram per sample
um/cm	=	microMho per centimeter
pCi/l	=	picocurie per liter
ppm	=	parts per million
ppb	=	parts per billion
ND	=	Not detected at or above stated detection limit
<	=	less than
>	=	greater than
%	=	percent
BTU/lb	=	British Thermal Units per pound
Deg. C	=	Degrees Celsius
gm/cc	=	grams per cubic centimeter
n/a	=	not applicable
std	=	result is relative to standard pH units
CV	=	Conventionals
IR	=	Infrared Spectrophotometric
GC	=	Gas Chromatograph Instrument
GC/MS	=	Gas Chromatography/Mass Spectrometer Instrument
GRO	=	Gasoline Range Organics
DRO	=	Diesel Range Organics
PCB	=	Polychlorinated Biphenyls (PCBs)
EP TOX	=	Extraction Procedure Toxicity
TCLP	=	Toxicity Characteristic Leaching Procedure
RCRA	=	Resource Conservation and Recovery Act

Quality Assurance Data

Conventional Data (CV10)

Compounds		Blank Results	Blank Spike Recov	Unspiked Sample Results	Matrix Spike Recov	Relative Percent Diff	Batch Number
Cyanide, Total	mg/L	ND	108	96.5	82	3	Q1I3319
Oil and Grease	mg/L	ND	94	-	-	-	Q1I3317

Quality Assurance Data

RCRA Total Metals Analysis, (ME50)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Arsenic	ND	94	ND	87	4	Q1M3881
Barium	ND	98	.058	90	5	Q1M3881
Cadmium	ND	93	ND	86	3	Q1M3881
Chromium	ND	94	ND	87	3	Q1M3881
Lead	ND	90	.397	82	5	Q1M3881
Mercury	ND	100	ND	88	3	Q1G3882
Selenium	ND	91	ND	85	4	Q1M3881
Silver	ND	89	ND	96	11	Q1M3881

Quality Assurance Data

Total Pesticide and PCB Analysis, GC, (GS05)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Aldrin	ND	60	ND	73	6	Q1P40098
Alpha-BHC	ND	65	ND	69	9	Q1P40098
Beta-BHC	ND	83	ND	81	8	Q1P40098
Chlordane	ND	88	ND	89	4	Q1P40098
4,4'-DDD	ND	70	.0008	75	1	Q1P40098
4,4'-DDE	ND	75	.0003	83	2	Q1P40098
4,4'-DDT	ND	92	.002	94	1	Q1P40098
Delta-BHC	ND	75	ND	79	3	Q1P40098
Dieldrin	ND	76	ND	74	5	Q1P40098
Endosulfan sulfate	ND	58	ND	64	4	Q1P40098
Endosulfan I	ND	90	ND	91	5	Q1P40098
Endosulfan II	ND	80	ND	81	4	Q1P40098
Endrin	ND	74	ND	78	2	Q1P40098
Endrin aldehyde	ND	63	ND	59	18	Q1P40098
Endrin ketone	ND	65	ND	66	6	Q1P40098
Gamma-BHC	ND	67	ND	70	5	Q1P40098
Heptachlor	ND	71	ND	86	7	Q1P40098
Heptachlor epoxide	ND	78	ND	84	5	Q1P40098
Methoxychlor	ND	76	ND	74	5	Q1P40098

QUALITY ASSURANCE DATA

TOTAL BASE/NEUTRAL/ACID ANALYSIS, MS, (MS02)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acenaphthene	ND	94	ND	97	5	Q1C40198
Acenaphthylene	ND	99	ND	102	5	Q1C40198
Anthracene	ND	85	ND	88	15	Q1C40198
Benzoic acid	ND	26	ND	39	-	Q1C40198
Benzo(a)pyrene	ND	102	ND	112	30	Q1C40198
bis(2-Ethylhexyl)phthalate	ND	106	.063	125	13	Q1C40198
Butyl benzyl phthalate	ND	98	ND	105	10	Q1C40198
Carbazole	ND	86	ND	93	13	Q1C40198
4-Chloroaniline	ND	32	ND	22	5	Q1C40198
p-Chloro-m-cresol	ND	85	ND	90	9	Q1C40198
2-Chlorophenol	ND	86	ND	90	6	Q1C40198
Chrysene	ND	102	ND	114	20	Q1C40198
Cyclohexanone	ND	21	ND	22	6	Q1C40198
Di-n-butyl phthalate	ND	99	.018	112	15	Q1C40198
1,2-Dichlorobenzene	ND	70	ND	77	1	Q1C40198
1,4-Dichlorobenzene	ND	65	ND	73	2	Q1C40198
3,3'-Dichlorobenzidine	ND	76	ND	35	1	Q1C40198
2,4-Dichlorophenol	ND	83	ND	82	10	Q1C40198
2,4-Dinitrophenol	ND	54	ND	45	-	Q1C40198
2,4-Dinitrotoluene	ND	104	ND	100	9	Q1C40198
Hexachloroethane	ND	53	ND	68	3	Q1C40198
Isophorone	ND	93	ND	93	4	Q1C40198
4,4'-Methylenebis(2-chloroaniline)	ND	71	ND	23	60	Q1C40198
2-Methylnaphthalene	ND	79	ND	90	8	Q1C40198
2-Methylphenol	ND	76	ND	82	2	Q1C40198
N-Nitrosodi-n-propylamine	ND	91	ND	94	4	Q1C40198
4-Nitroaniline	ND	104	ND	91	3	Q1C40198
4-Nitrophenol	ND	54	ND	7	-	Q1C40198
Pentachloronitrobenzene	ND	90	ND	101	12	Q1C40198
Pentachlorophenol	ND	132	ND	160	15	Q1C40198
Phenol	ND	50	ND	69	2	Q1C40198
Pyrene	ND	102	ND	120	12	Q1C40198
2,3,4,6-Tetrachlorophenol	ND	84	ND	88	11	Q1C40198
1,2,4-Trichlorobenzene	ND	70	ND	82	10	Q1C40198
2,4,5-Trichlorophenol	ND	99	ND	93	4	Q1C40198
2,4,6-Trichlorophenol	ND	92	ND	95	11	Q1C40198

3-Methyl- and 4-Methylphenol coelute and are reported as the total
Matrix spike recoveries below the detection limits were observed for analytes designated with a dash for the RPD of replicate matrix spikes.

QUALITY ASSURANCE DATA

TOTAL VOLATILE ANALYSIS, MS, (MV00)

Compounds	Blank Results mg/L	Blank Spike Recov	Unspiked Sample Results mg/L	Matrix Spike Recov	Relative Percent Diff	Batch Number
Acetone	ND	106	.025	81	20	Q1V3330
Acrolein	ND	88	ND	6	-	Q1V3330
Acrylonitrile	ND	96	ND	106	12	Q1V3330
Benzene	ND	99	ND	100	22	Q1V3330
Bromoform	ND	100	ND	101	14	Q1V3330
Carbon disulfide	ND	92	ND	97	6	Q1V3330
Carbon tetrachloride	ND	98	ND	100	8	Q1V3330
Chlorobenzene	ND	101	ND	97	47	Q1V3330
Chlorodibromomethane	ND	100	ND	97	16	Q1V3330
Chloroethane	ND	88	ND	94	4	Q1V3330
Chloroform	ND	98	ND	97	8	Q1V3330
2-Chloroethylvinyl ether	ND	54	ND	103	19	Q1V3330
3-Chloropropene	ND	92	ND	98	7	Q1V3330
1,2-Dibromo-3-chloropropane	ND	105	ND	111	16	Q1V3330
Dichlorobromomethane	ND	98	ND	96	12	Q1V3330
Dichlorodifluoromethane	ND	93	ND	99	8	Q1V3330
1,1-Dichloroethane	ND	95	ND	98	9	Q1V3330
1,2-Dichloroethane	ND	97	ND	97	14	Q1V3330
1,1-Dichloroethylene	ND	95	ND	98	8	Q1V3330
1,2-Dichloropropane	ND	101	ND	99	13	Q1V3330
cis-1,3-Dichloropropylene	ND	92	ND	90	13	Q1V3330
trans-1,3-Dichloropropylene	ND	104	ND	101	16	Q1V3330
Dibromomethane	ND	97	ND	96	16	Q1V3330
Ethylbenzene	ND	101	ND	101	10	Q1V3330
Ethylene dibromide	ND	103	ND	104	13	Q1V3330
Ethyl acetate	ND	99	ND	62	14	Q1V3330
Ethyl ether	ND	93	ND	92	14	Q1V3330
2-Hexanone	ND	95	ND	113	14	Q1V3330
Iodomethane	ND	94	ND	95	8	Q1V3330
Methyl bromide	ND	90	ND	100	1	Q1V3330
Methyl chloride	ND	92	ND	99	1	Q1V3330
Methylene chloride	ND	91	ND	92	9	Q1V3330
Methyl ethyl ketone	ND	118	ND	101	30	Q1V3330
Methyl-iso-butyl ketone	ND	98	ND	108	14	Q1V3330
Styrene	ND	104	ND	99	12	Q1V3330
1,1,1,2-Tetrachloroethane	ND	101	ND	99	12	Q1V3330
1,1,2,2-Tetrachloroethane	ND	105	ND	104	18	Q1V3330
Tetrachloroethylene	ND	101	ND	98	11	Q1V3330
Tetrahydrofuran	ND	92	ND	100	16	Q1V3330
Toluene	ND	99	ND	98	13	Q1V3330
1,1,1-Trichloroethane	ND	94	ND	98	4	Q1V3330
1,1,2-Trichloroethane	ND	101	ND	100	15	Q1V3330
Trichloroethylene	ND	97	ND	100	8	Q1V3330
1,2-Trans-dichloroethylene	ND	93	ND	97	6	Q1V3330
Trichlorofluoromethane	ND	93	ND	97	5	Q1V3330
1,2,3-Trichloropropane	ND	103	ND	107	13	Q1V3330
1,1,2-Trichlorotrifluoroethane	.026	44	ND	98	10	Q1V3330
Vinyl acetate	ND	101	ND	11	-	Q1V3330
Vinyl chloride	ND	94	ND	95	5	Q1V3330
Xylenes	ND	101	ND	100	12	Q1V3330

QUALITY ASSURANCE DATA
SURROGATE SUMMARY REPORT

SURROGATE ID	A159	B732	A121	A884	A158	B142	# OUT
QC BATCH: Q1C40198 **Aqueous (Semi-Volatile organics by MS)**							
SAMPLE ID							
BLANK	67	45	113	83	99	120	0
BLANK SPIKE	65	48	102	83	91	105	0
CLJ-DWW-02	51	36	88	69	92	101	0
CLJ-DWW-02 MD	77	63	88	89	90	107	0
CLJ-DWW-02 MS	76	67	92	88	97	121	0
QC LIMITS	(21-110)	(10-110)	(10-123)	(35-114)	(43-116)	(33-141)	

SURROGATE ID	B816	A500	# OUT
QC BATCH: Q1P40098 **Aqueous (Pesticide compounds by GC)**			
SAMPLE ID			
BLANK	47	45	0
BLANK SPIKE	56	59	0
CLJ-DWW-02	79	27	0
CLJ-DWW-02 MD	83	43	0
CLJ-DWW-02 MS	76	44	0
QC LIMITS	(37-116)	(14-147)	

SURROGATE ID	A047	B185	B668	# OUT
QC BATCH: Q1V3330 **Aqueous (Volatile organics by MS)**				
SAMPLE ID				
BLANK	93	94	99	0
BLANK SPIKE	99	98	99	0
CLJ-DWW-02	95	95	101	0
CLJ-DWW-02 MD	106	103	104	0
CLJ-DWW-02 MS	94	94	95	0
QC LIMITS	(76-114)	(88-110)	(86-115)	

SURROGATE ID

A047 = 1,2-Dichloroethane-D4
B185 = Toluene-D8
B668 = Bromofluorobenzene
A159 = 2-Fluorophenol
B732 = Phenol-D6
A121 = 2,4,6-Tribromophenol
A884 = Nitrobenzene-D5
A158 = 2-Fluorobiphenyl
B142 = Terphenyl-D14
B816 = 2,4,5,6-Tetrachloro-m-xylene
A500 = Decachlorobiphenyl

* Values outside of method quality control limits
D Surrogate diluted out

It is ASC's laboratory policy to allow one surrogate per sample fraction (acid, base-neutral or pesticide) to exceed the stated QC limits. This policy is based upon the USEPA SOW for the Contract Laboratory Program (CLP).

APPENDIX D

CHAIN-OF-CUSTODY RECORD(S)

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

OHM Remediation Services
100 Dominion Drive
Suite 100
Morrisville, NC 27560-9259
Attn: Kent Guis

March 31, 1994

Job Number: 99-TCLP

P.O. Number: N/A

This is the Certificate of Analysis for the following samples:

Client Project ID:	Camp LeJune
Date Received by Lab:	February 24, 1994
Number of Samples:	One (1)
Sample Type:	Soil

I. Introduction

On February 24, 1994, one (1) soil sample arrived at the ITAS-Knoxville, Tennessee, laboratory from OHM, Jacksonville, North Carolina in support of the Camp LeJune project. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results. Please note that the data are not blank corrected.

The sample was prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

Reviewed and Approved:

Sheree' A. Schneider
Project Manager

II. Analytical Results/Methodology (Continued)

The sample was analyzed for the TCLP regulated volatile organic compounds by gas chromatography/mass spectroscopy (GC/MS) based on EPA SW-846 method 8240.

The TCLP leachate was analyzed for the regulated semivolatile organic compounds by gas chromatography/mass spectroscopy (GC/MS) based on EPA SW-846 method 8270.

The TCLP leachate was analyzed for the regulated pesticides by gas chromatography/electron capture detection (GC/ECD) based on EPA SW-846 method 8080.

The TCLP leachate was analyzed for the regulated herbicides by gas chromatography/electron capture detection (GC/ECD) based on EPA SW-846 method 8150.

The TCLP leachate was analyzed for the regulated metals by inductively coupled plasma spectroscopy (ICP) and cold vapor atomic absorption spectroscopy (CVAA) based on EPA SW-846 methods 6010 and 7470, respectively.

The sample was analyzed for total high boiling petroleum hydrocarbons as diesel range organics (DRO) by gas chromatography/flame ionization detection (GC/FID) based on Tennessee modified method 8015.

The sample was analyzed for total low boiling petroleum hydrocarbons as gasoline-range organics (GRO) by gas chromatography/flame ionization detection (GC/FID) based on Tennessee modified method 8015.

The pH of the sample was determined using EPA methods 150.1 and 9040.

The sample was analyzed for reactive cyanide by section 7.3.3.2, SW-846, Test Methods to Determine Cyanide Released from Wastes.

The sample was analyzed for reactive sulfide by section 7.3.4.2, SW-846, Test Methods to Determine Hydrogen Sulfide Released from Waste.

The sample was analyzed for ignitability according to USEPA, SW-846 Method 1010.

III. Quality Control

Routine laboratory level I QC was followed.

The sample was analyzed for cyanide by manual distillation followed by automated colorimetric determination using the LACHAT QuikChem automated flow injection analyzer (QuikChem Method No. 10-204-00-2-B).

The pH of the sample was measured by electrometric procedure on March 8, 1994; the activity of the hydrogen ions was determined by potentiometric measurement using a standard hydrogen electrode and a reference electrode.

The sample was analyzed for TCLP volatiles on February 28 and March 3, 1994 by purge and trap with a J&W DB-624 column on a Hewlett-Packard 5970 GC/MS/DS unit. Carbon disulfide in VSTD020, VSTD050, VSTD100, and VSTD200 and m/p xylenes in VSTD200 required manual integration in the initial calibration analyzed on January 26, 1994, m/p xylene required manual integration in VSTD200 in the initial calibration analyzed on February 23, 1994.

The sample was analyzed for TCLP semivolatiles March 8-10, 1994 by direct injection of sample extract on a Restek XTI-5 capillary column on a Finnigan 4500 GC/MS/DS unit. A laboratory control sample (LCS) was analyzed as BLCS1.

The sample was analyzed for TCLP pesticides on March 9, 1994 using a XTI-5 column on a HP5890M GC. The sample, associated method blank, and LCS were treated to remove interferences using a mercury cleanup procedure. A continuing standard was analyzed with every ten (10) samples. The check standard was compared to the initial linearity using acceptance criteria of $\pm$ 15% difference.

The sample was analyzed for the TCLP herbicides 2,4-D, and 2,4,5-TP (Silvex) by gas chromatography using an electron capture detector. A RTX-35 column was used on a Hewlett Packard 5890 GC.

The TCLP extract was digested on March 2, 1994 for ICP and GFAA. The extract for mercury analysis was prepared just prior to analysis. The CVAA analysis for mercury was performed on March 2, 1994. The GFAA analysis for selenium was performed on March 5, 1994; the TCLP metals were analyzed by ICP on March 3, 1994. All run QC was acceptable.

The sample was analyzed for total high boiling petroleum hydrocarbons as diesel fuel by gas chromatography/flame ionization detection using an SPB-1 column on a Hewlett Packard GC.

III. Quality Control (Continued)

The sample was analyzed for low boiling petroleum hydrocarbons as gasoline by gas chromatography/flame ionization detection using a DB-624 column on a VARIAN 3400 GC.

The sample was analyzed for reactive cyanide on February 23, 1994.

The sample was analyzed for reactive sulfide on February 23, 1994.

The sample was analyzed for ignitability on February 23, 1994.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP VOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: CLJ-CSS-028D
Lab Sample ID: AA2044

Compound	Result	
vinyl chloride	0.050	U
1,1-dichloroethene	0.025	U
chloroform	0.025	U
1,2-dichloroethane	0.025	U
methyl ethyl ketone	0.029	J
carbon tetrachloride	0.025	U
trichloroethene	0.025	U
benzene	0.025	U
tetrachloroethene	0.025	U
chlorobenzene	0.025	U

Date of Analysis: 03/03/94
Dilution Factor: 5.0

J - Indicates an estimated value less than the detection limit.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP VOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm)

Sample Matrix: Water

Client Sample ID: Method Blank (VBLK3P)
Lab Sample ID: PB0303

Compound	Result	
vinyl chloride	0.010	U
1,1-dichloroethene	0.005	U
chloroform	0.005	U
1,2-dichloroethane	0.005	U
methyl ethyl ketone	0.010	U
carbon tetrachloride	0.005	U
trichloroethene	0.005	U
benzene	0.005	U
tetrachloroethene	0.005	U
chlorobenzene	0.005	U

Date of Analysis: 03/03/94
Dilution Factor: 1.0

J - Indicates an estimated value less than the detection limit.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP VOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: TCLP Blank
Lab Sample ID: AA2486

Compound	Result	
vinyl chloride	0.050	U
1,1-dichloroethene	0.025	U
chloroform	0.025	U
1,2-dichloroethane	0.025	U
methyl ethyl ketone	0.022	J
carbon tetrachloride	0.025	U
trichloroethene	0.025	U
benzene	0.025	U
tetrachloroethene	0.025	U
chlorobenzene	0.025	U

Date of Analysis: 03/03/94
Dilution Factor: 5.0

J - Indicates an estimated value less than the detection limit.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP VOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: TCLP LCS
Lab Sample ID: AA2487

Compound	Result	
vinyl chloride	0.320	+
1,1-dichloroethene	0.210	+
chloroform	0.240	+
1,2-dichloroethane	0.260	+
methyl ethyl ketone	0.360	+
carbon tetrachloride	0.250	+
trichloroethene	0.240	+
benzene	0.240	+
tetrachloroethene	0.230	+
chlorobenzene	0.240	+

Date of Analysis: 03/03/94
Dilution Factor: 5.0

+ - Positive result.
J - Indicates an estimated value less than the detection limit.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP SEMIVOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: Method Blank (SBLK1B)
Lab Sample ID: AA2469

Compound	Concentration	
total cresols	0.04	U
pyridine	0.40	U
1,4-dichlorobenzene	0.04	U
hexachloroethane	0.04	U
nitrobenzene	0.04	U
hexachlorobutadiene	0.04	U
2,4,6-trichlorophenol	0.04	U
2,4,5-trichlorophenol	0.20	U
2,4-dinitrotoluene	0.04	U
hexachlorobenzene	0.04	U
pentachlorophenol	0.20	U

Extraction Date: 03/02/94
Analysis Date: 03/08/94
Dilution Factor: 1.0

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.
J - Indicates an estimated value less than the detection limit.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

682-1-89

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP SEMIVOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: CLJ-CSS-028D
Lab Sample ID: AA2045

Compound	Concentration	
total cresols	0.04	U
pyridine	0.40	U
1,4-dichlorobenzene	0.04	U
hexachloroethane	0.04	U
nitrobenzene	0.04	U
hexachlorobutadiene	0.04	U
2,4,6-trichlorophenol	0.04	U
2,4,5-trichlorophenol	0.20	U
2,4-dinitrotoluene	0.04	U
hexachlorobenzene	0.04	U
pentachlorophenol	0.20	U

Extraction Date: 03/02/94
Analysis Date: 03/08/94
Dilution Factor: 1.0

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.
J - Indicates an estimated value less than the detection limit.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TCLP SEMIVOLATILE ORGANIC ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: BLCS1
Lab Sample ID: AA2470

Compound	Concentration	
total cresols	1.054	+
pyridine	0.561	+
1,4-dichlorobenzene	0.410	+
hexachloroethane	0.400	+
nitrobenzene	0.380	+
hexachlorobutadiene	0.400	+
2,4,6-trichlorophenol	0.440	+
2,4,5-trichlorophenol	0.580	+
2,4-dinitrotoluene	0.040	+
hexachlorobenzene	0.110	+
pentachlorophenol	0.520	+

Extraction Date: 03/02/94
Analysis Date: 03/08/94
Dilution Factor: 1.0

+ - Positive result.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.
J - Indicates an estimated value less than the detection limit.

The samples were prepared in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

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TCLP PESTICIDES ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: CLJ-CSS-028D
Lab Sample ID: AA2064

Compound	Uncorrected Concentration	
lindane	0.008	U
heptachlor	0.001	U
heptachlor epoxide	0.001	U
endrin	0.004	U
methoxychlor	0.08	U
chlordane	0.006	U
toxaphene	0.1	U

TCLP Date: 02/28/94
Extraction Date: 03/02/94
Analysis Date: 03/09/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

Sample extracted in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

TCLP PESTICIDES ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: Method Blank
Lab Sample ID: AA2469

Compound	Uncorrected Concentration	
lindane	0.008	U
heptachlor	0.001	U
heptachlor epoxide	0.001	U
endrin	0.004	U
methoxychlor	0.08	U
chlordane	0.006	U
toxaphene	0.1	U

TCLP Date: 02/28/94
Extraction Date: 03/02/94
Analysis Date: 03/09/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

Sample extracted in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

SPIKED BLANK ANALYSIS

Results in: mg/liter (ppm) in the leachate

Sample Matrix: Water

Client Sample ID: Laboratory Control Sample
Lab Sample ID: AA2470

Compound	Conc. Spike Added	Conc. Blank Spike	% Rec.
lindane	0.040	0.033	83
heptachlor	0.020	0.014	70
heptachlor epoxide	0.020	0.014	70
endrin	0.040	0.028	70
methoxychlor	0.40	0.37	92

Date of Preparation: 02/28/94, 03/02/94
Date of Analysis: 03/08/94

TCLP HERBICIDES ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: CLJ-CSS-028D
Lab Sample ID: AA2464

Compound	Uncorrected Concentration
2,4-D	0.12 U
2,4,5-TP (silvex)	0.02 U

TCLP Date: 03/01/94
Extraction Date: 03/02/94
Analysis Date: 03/04/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

Sample extracted in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998. Friday, June 29, 1990.

TCLP HERBICIDES ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: Method Blank
Lab Sample ID: AA2469

Compound	Uncorrected Concentration
2,4-D	0.12 U
2,4,5-TP (silvex)	0.02 U

TCLP Date: 03/01/94
Extraction Date: 03/02/94
Analysis Date: 03/04/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

Sample extracted in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

TCLP HERBICIDES ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: Blank Spike
Lab Sample ID: AA2470

Compound	Uncorrected Concentration
2,4-D	0.91 +
2,4,5-TP (silvex)	0.90 +

TCLP Date: 03/01/94
Extraction Date: 03/02/94
Analysis Date: 03/04/94

\+ - Positive result.

Sample extracted in accordance with the "Toxicity Characteristic Leaching Procedure," Federal Register, Vol. 55, No. 126, pp. 26986-26998, Friday, June 29, 1990.

SPIKED BLANK ANALYSIS

Results in: mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID: Blank Spike
Lab Sample ID: AA2470

Compound	Conc. Spike Added	Conc. Blank Spike	% Rec.
2,4-D	1.0	0.91	91
2,4,5-TP (Silvex)	1.0	0.90	90

Date of Analysis: 03/04/94

WATER SURROGATE PERCENT RECOVERY SUMMARY

		HERBICIDE
Client Sample ID	Lab Sample ID	2,4-DCPA
CLJ-CSS-028D	AA2464	104
Method Blank	AA2469	108
Blank Spike	AA2470	150

2,4-DCPA - 2,4-Dichlorophenylacetic acid

QC limits not yet established.

METALS ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID:	Method Blank		CLJ-CSS-028D	
Lab Sample ID:	PBW0302AS (ICP), APBW0302BS (GFAA), CPBW0302A (CVAA)		AA2064	
arsenic	0.08	U	0.08	U
barium	0.002	U	0.75	+
cadmium	0.005	U	0.012	+
chromium	0.010	U	0.01	U
lead	0.05	U	0.05	U
selenium	0.215	+	0.002	U
silver	0.005	U	0.005	U
mercury	0.0002	U	0.0002	U

Digestion Date: 03/02/94 (ICP), 03/02/94 (CVAA), 03/02/94 (GFAA)
Analysis Date: 03/03/94 (ICP), 03/02/94 (CVAA), 03/05/94 (GFAA)

+ - Positive result.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

METALS ANALYSIS

Results in mg/liter (ppm) in the leachate

Sample Matrix: Soil

Client Sample ID:	TCLP Blank		TCLP LCS	
Lab Sample ID:	AA2469		AA2470	
arsenic	0.08	U	4.9	+
barium	0.002	U	5.0	+
cadmium	0.005	U	1.0	+
chromium	0.010	U	5.0	+
lead	0.05	U	5.1	+
selenium	0.002	U	0.042	+
silver	0.0063	B	0.98	+
mercury	0.0002	U	0.0045	+

Digestion Date: 03/02/94 (ICP), 03/02/94 (CVAA), 03/02/94 (GFAA)
Analysis Date: 03/03/94 (ICP), 03/02/94 (CVAA), 03/05/94 (GFAA)

+ - Positive result.
B - Analyte was found in the blank as well as the sample.
U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

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TOTAL LOW BOILING PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS

Results in mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID	Lab Sample ID	As Compared To Gasoline Range Organics
CLJ-CSS-028D	AA2045	5 U
Method Blank	AA3253	5 U

Date of Extraction: 03/07/94
Date of Analysis: 03/07/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

SOIL SURROGATE PERCENT RECOVERY SUMMARY

LOW BOILING PETROLEUM HYDROCARBONS

Client Sample ID	Bromofluorobenzene (FID) (50-126%)*
CLJ-CSS-028D	94
Method Blank	104

FID = Quantitated from the flame ionization detector.

*Values in parentheses represent required QC limits.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

SPIKED BLANK ANALYSIS

Results in: mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID: Laboratory Control Sample
Lab Sample ID: B4299

Compound	Conc. Spike Added	Conc. Blank Spike	% Rec.
low boiling petroleum hydrocarbons as compared to gasoline range organics	120	120	100

Date of Analysis: 03/07/94

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OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TOTAL HIGH BOILING PETROLEUM HYDROCARBONS

Results in mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID: CLJ-CSS-028D
Lab Sample ID: AA2045

Compound	Results
total high boiling petroleum hydrocarbons, as diesel fuel	5 U

Date of Extraction: 03/07/94
Date of Analysis: 03/11/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

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OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TOTAL HIGH BOILING PETROLEUM HYDROCARBONS

Results in mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID: Method Blank
Lab Sample ID: AA3068

Compound	Results
total high boiling petroleum hydrocarbons, as diesel fuel	5 U

Date of Extraction: 03/07/94
Date of Analysis: 03/11/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

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OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

TOTAL HIGH BOILING PETROLEUM HYDROCARBONS

Results in mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID: Blank Spike
Lab Sample ID: AA3069

Compound	Results
total high boiling petroleum hydrocarbons, as diesel fuel	36 +

Date of Extraction: 03/07/94
Date of Analysis: 03/11/94

\+ - Positive result.

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OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

SPIKED BLANK ANALYSIS

Results in: mg/kg (ppm)

Sample Matrix: Soil

Client Sample ID: Blank Spike
Lab Sample ID: AA3069

Compound	Conc. Spike Added	Conc. Blank Spike	% Rec.
total high boiling petroleum hydrocarbons, as diesel fuel	34	36	106

Date of Analysis: 03/11/94

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SOIL SURROGATE PERCENT RECOVERY SUMMARY

		HIGH BOILING HYDROCARBONS	
Client Sample ID	Lab Sample ID	C23	C32
CLJ-CSS-028D	AA2045	100	110
Method Blank	AA3068	115	124
Blank Spike	AA3069	140	125

	QC LIMITS
C32 - c-dotriacontane	(59-179%)*
C23 - c-tricosane	(41-149%)*

* - Values in parentheses represent QC control limits.

pH ANALYSIS

Results in standard units (s.u.)

Sample Matrix: Soil

Client Sample ID	Lab Sample ID	Result
Method Blank	-	*
CLJ-CSS-028D	AA2045	4.3

Date of Analysis: 03/08/94

* - A method blank is not applicable for this analysis.

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

REACTIVE CYANIDE ANALYSIS

Results in mg/kg (ppm)

Sample matrix: Soil

Client ID	Laboratory Sample ID	Concentration
CLJ-CSS-028D	AA2045	0.32 U

Analysis Date: 03/07/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

682-1-89

OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

REACTIVE SULFIDE ANALYSIS

Results in mg/kg (ppm)

Sample matrix: Soil

Client ID	Laboratory Sample ID	Concentration
CLJ-CSS-028D	AA2045	13 U

Analysis Date: 03/10/94

U - Compound was analyzed for but not detected. The number is the detection limit for the sample.

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OHM Remediation Services
March 31, 1994

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Camp LeJune

Job Number: 99-TCLP

IGNITABILITY ANALYSIS

Results in : Fahrenheit (°F)

Sample matrix: Soil

Client ID	Laboratory Sample ID	Concentration
CLJ-CSS-028D	AA2045	>150

Analysis Date: 03/07/94

> - Less than.

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SECTION 1C

Camp Lejeune 15226

SAMPLE SUMMARY REPORT

SAMPLE NUMBER	SAMPLE DATE	SAMPLE LOCATION	COC NUMBER	LAB ID	LAB SAMPLE ID	DQO LEVEL	PACKAGE ID	AIRBILL NUMBER
CLJ-CSS-034	3/3/94	BATT. EXCAV.; E. TRENCH; E. WALL (1ST FLAG)	127970	ASC	JM4354	IV	615320	7526016816
CLJ-CSS-035	3/3/94	BATT. EXCAV.; E. TRENCH; FLOOR (1ST FLAG)	127970	ASC	JM4355	IV	615320	7526016816
CLJ-CSS-036	3/3/94	BATT. EXCAV.; E. TRENCH; W. WALL (1ST FLAG)	127970	ASC	JM4356	IV	615320	7526016816
CLJ-CSS-037	3/3/94	BATT. EXCAV.; E. TRENCH; E. WALL (2ND FLAG)	127970	ASC	JM4357	IV	615320	7526016816
CLJ-CSS-038	3/3/94	BATT. EXCAV.; E. TRENCH; FLOOR (2ND FLAG)	127970	ASC	JM4358	IV	615320	7526016816
CLJ-CSS-039	3/3/94	BATT. EXCAV.; E. TRENCH; W. WALL (2ND FLAG)	127970	ASC	JM4359	IV	615320	7526016816
CLJ-CSS-040	3/3/94	BATT. EXCAV.; E. TRENCH; E. WALL (3RD FLAG)	127970	ASC	JM4360	IV	615320	7526016816
CLJ-CSS-041	3/3/94	BATT. EXCAV.; E. TRENCH; FLOOR (3RD FLAG)	127970	ASC	JM4361	IV	615320	7526016816
CLJ-CSS-042	3/3/94	BATT. EXCAV.; E. TRENCH; W. WALL (3RD FLAG)	127970	ASC	JM4362	IV	615320	7526016816
CLJ-CSS-043	3/3/94	BATT. EXCAV.; E. TRENCH; E. WALL (4TH FLAG)	127969	ASC	JM4363	IV	615320	7526016816
CLJ-CSS-044	3/3/94	BATT. EXCAV.; E. TRENCH; FLOOR (4TH FLAG)	127969	ASC	JM4364	IV	615320	7526016816
CLJ-CSS-045	3/3/94	BATT. EXCAV.; E. TRENCH; W. WALL (4TH FLAG)	127969	ASC	JM4365	IV	615320	7526016816
CLJ-CSS-046	3/3/94	BATT. EXCAV.; E. TRENCH; S. WALL	127969	ASC	JM4366	IV	615320	7526016816
CLJ-CSS-047	3/3/94	BATT. EXCAV.; E. TRENCH; N. WALL	127969	ASC	JM4353	IV	615320	7526016816

DATA SUMMARY REPORT

DATE: 11/02/94

Company: OHM REMEDIATION SERVICES CORPORATION

Sample Point ID:		CLJ-CSS-33	CLJ-CSS-34	CLJ-CSS-35	CLJ-CSS-36	CLJ-CSS-37	CLJ-CSS-38	CLJ-CSS-39	CLJ-CSS-40
ASC Sample Number:		JM4353	JM4354	JM4355	JM4356	JM4357	JM4358	JM4359	JM4360
Sample Date:		940303	940303	940303	940303	940303	940303	940303	940303
Facility Code:		015226N	015226N	015226N	015226N	015226N	015226N	015226N	015226N
Parameters	Units								
Conventional Data (CV10)									
pH (Electrode)	std	4.59	4.68	4.22	3.87	4.55	4.06	4.45	4.96
RCRA TCLP Leachate Metals Analysis, (ME52)									
Arsenic	mg/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Barium	mg/L	.168	.344	.325	.300	.258	.430	.248	.285
Cadmium	mg/L	<.005	<.005	<.005	<.005	<.001	.004	.001	<.001
Chromium	mg/L	<.020	<.004	<.020	<.020	<.004	.007	<.004	<.004
Lead	mg/L	<.002	<.002	.021	<.002	<.002	.009	.011	<.002
Mercury	mg/L	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
Selenium	mg/L	<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Silver	mg/L	<.020	<.020	<.020	<.020	<.008	<.008	<.008	<.008

DATA SUMMARY REPORT

DATE: 11/02/94

Company: OHM REMEDIATION SERVICES CORPORATION

Parameters	Units	CLJ-CSS-41	CLJ-CSS-42	CLJ-CSS-43	CLJ-CSS-44	CLJ-CSS-45	CLJ-CSS-46
Sample Point ID:		**CLJ-CSS-41**	**CLJ-CSS-42**	**CLJ-CSS-43**	**CLJ-CSS-44**	**CLJ-CSS-45**	**CLJ-CSS-46**
ASC Sample Number:		JM4361	JM4362	JM4363	JM4364	JM4365	JM4366
Sample Date:		940303	940303	940303	940303	940303	940303
Facility Code:		015226N	015226N	015226N	015226N	015226N	015226N
Conventional Data (CV10)							
pH (Electrode)	std	3.94	3.99	4.58	3.93	4.77	4.23
RCRA TCLP Leachate Metals Analysis, (ME52)							
Arsenic	mg/L	<.001	<.001	<.001	<.001	<.001	<.001
Barium	mg/L	.268	.300	.296	.260	.344	.297
Cadmium	mg/L	.003	.001	<.001	.001	<.005	<.001
Chromium	mg/L	.005	<.004	<.004	<.004	<.020	.006
Lead	mg/L	.019	.011	<.002	.083	.005	<.002
Mercury	mg/L	<.0001	<.0001	<.001	<.0001	<.001	<.001
Selenium	mg/L	<.001	<.001	<.001	<.001	<.001	<.001
Silver	mg/L	<.008	<.008	<.008	<.008	<.020	<.008

Analytical Services Corp.

ANALYTICAL REPORT

Client: OHM Remediation Services Corporation
Southern Region (Morrisville, NC)

Attn: Kent Geis
Bill Perry

Project: 15226N - NEESA; Camp LeJeune, Jacksonville, NC

Sample(s): CLJ-CSS-33 through CLJ-CSS-46

Sample Type(s): Solid

Analysis Performed: Conventionals and RCRA TCLP Leachate Parameters

Date Sample Received: March 7, 1994

Date Order Received: March 7, 1994

Joblink(s): 615320

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. Analytical Services Corporation assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed and Approved by: _____ *Date:* 5-20-94
Thomas E. Gran, Ph.D., Vice President

16406 U.S. Route 224 East ■ P.O. Box 1404 ■ Findlay, Ohio 45839-1404 ■ 419-423-3526

SUMMARY OF ANALYTICAL METHODOLOGY

Parameter	Reference	Method
Conventionals		
pH, Electrode (soil)	CLP	1.7.1.1
RCRA TCLP		
Leachate Preparation	SW-846	1311
Metals (except mercury)	SW-846	6010
Mercury by Cold Vapor	SW-846	7470

SDG NARRATIVE

Conventionals

The pH results are in standard units not mg/kg.

The method qualifier for pH (Electrode) is "pH". The CLP manual does not address this result or the method for reporting.

TCLP Metals

Since the samples were analyzed for TCLP analytes the items listed (color before, artifacts, etc.) at the bottom of Form I-IN were not reported.

All of the Initial and Continuing Calibration verifications were inside the QC limits.

Due to the bottles used for the TCLP leachate preparation a small amount of Barium is present in the samples. The level is well below any level of concern for this project using this analysis. ASC believes that this will not affect the validity of data for this project.

The ICP Interference Check samples were within the required QC criteria.

The matrix spike and post spike recoveries for Arsenic were outside control limits. All Arsenic data associated with the spike for Sample #CLJ-DS-11D have been flagged with the appropriate qualifier.

The matrix spike recovery for Selenium and the Duplicate result for Lead were outside control limits for Sample #CLJ-CSS-42. All samples associated with these results have been flagged with the appropriate qualifier.

The laboratory Control Sample exhibited recoveries with a range between 64 to 127%.

Autosamplers were not utilized for the ICP analysis. The CLP SOW requires samples to be analyzed at the same time interval from sample to sample. Since autosamplers were not utilized, the manual aspirations were kept at the same time interval as closely as possible. This has no impact on the validity of the data as reported.

Autosampler problems were encountered during the Arsenic LCS analysis. All samples analyzed when the problems occurred were re-analyzed. Some sample matrix interferences were noted for Arsenic and Selenium analyses. All Lead analyses required a 5x dilution due to severe sample matrix interferences.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ N/A NA

DW No.: NA

EPA Sample No.	Lab Sample ID.
CLJ-CSS-33	JM4353
CLJ-CSS-34	JM4354
CLJ-CSS-35	JM4355
CLJ-CSS-36	JM4356
CLJ-CSS-37	JM4357
CLJ-CSS-38	JM4358
CLJ-CSS-39	JM4359
CLJ-CSS-40	JM4360
CLJ-CSS-41	JM4361
CLJ-CSS-42	JM4362

Were ICP interelement corrections applied? Yes/NO Yes

Were ICP background corrections applied? Yes/NO Yes
If YES - were raw data generated before application of background corrections? Yes/NO No

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: J. Hnatow **Name:** Joseph Hnatow

Date: 5/16/94 **Title:** Operations Manager

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-3SS-3~~ N/A

DW No.: NA

EPA Sample No.	Lab Sample ID.
CLJ-CSS-43	JM4363
CLJ-CSS-44	JM4364
CLJ-CSS-45	JM4365
CLJ-CSS-46	JM4366
~~CLJ-DS-10~~	~~JM4367~~
~~CLJ-DS-11~~	~~JM4368~~
~~CLJ-DS-11D~~	~~JM4369~~

Were ICP interelement corrections applied? Yes/NO Yes

Were ICP background corrections applied? Yes/NO Yes
If YES - were raw data generated before application of background corrections? Yes/NO No

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: J Hnatow **Name:** Joseph Hnatow

Date: 5/16/94 **Title:** Operations Manager

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-33

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ NA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4353

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	168			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U		F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLS-CSS-34

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLS-CSS-3~~ MA MA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4354

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	249			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U	W	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-35

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ N/A

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4355

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	325			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	2.3	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	41.5			F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-36

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ NA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4356

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	300			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.4	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U		F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-37

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ MA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4357

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	258			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U	W	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1) 0008

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-38

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ N/A M1

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4358

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	430			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	4.0	B		P
7440-47-3	Chromium	6.6	B		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	93.7			F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1)

0009

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-39

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ NA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4359

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	248			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.3	B		P
7440-47-3	Chromium	4.2			P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U		F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1) 0010

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-4C

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ NA

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4360

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	285			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U	W	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-41

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4361

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U		F
7440-39-3	Barium	268			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	2.9	B		P
7440-47-3	Chromium	4.6	B		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	37.4			F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1)

0012

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-42

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4362

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	300			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.2	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	11.1			F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-43

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ N/A 433

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4363

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	296			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U		F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-44

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ N/A

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4364

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	260			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.4	B		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	33.2		W	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

INORGANIC ANALYSIS DATA SHEET (1) 0015

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-45

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ N/A

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4365

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	344			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	4.2	U		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U	W	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.72			CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

INORGANIC ANALYSIS DATA SHEET (1) 0016

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA SAMPLE #:** CLJ-CSS-46

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ N/A

Matrix: (soil/water) WATER **Level:** (low/med) LOW **Lab Sample ID:** JM4366

% Solids: ____ **Date Received:** 03/07/94

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	NR			
7440-36-0	Antimony	NR			
7440-38-2	Arsenic	1.0	U	W	F
7440-39-3	Barium	297			P
7440-41-7	Beryllium	NR			
7440-42-8	Boron	NR			
7440-43-9	Cadmium	1.1	U		P
7440-47-3	Chromium	6.1	B		P
7440-48-4	Cobalt	NR			
7439-50-8	Copper	NR			
7439-89-6	Iron	NR			
7439-92-1	Lead	2.3	U	E	F
7439-96-5	Manganese	NR			
7439-97-6	Mercury	0.14	U		CV
7439-98-7	Molybdenum	NR			
7440-02-0	Nickel	NR			
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	8.0	U		P
7440-24-6	Strontium	NR			
7440-28-0	Thallium	NR			
7440-62-2	Vanadium	NR			
7440-66-6	Zinc	NR			

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: Severe interference was noted for lead in this sample 5X diluted post spike was 7.7% rec.

INITIAL AND CONTINUING CALIBRATION VERIFICATION
(2A)

0017

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~C25-C55-33~~ NA

Initial Calibration Source: NIST **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic	32.8	34.7	106	20.5	22.1	108	20.9	102	F
Barium	9240	9340	101	4740	4680	103	4660	98.3	P
Beryllium									
Boron									
Cadmium	2530	2630	104	1260	1320	105	1310	104	P
Chromium	973	1000	103	484	504	104	504	104	P
Cobalt									
Copper									
Iron									
Lead	35.3	37.6	107	21.2	20.2	95.3	20.7	97.6	F
Manganese									
Mercury	5.0	5.4	108	5.0	5.6	112	5.4	108	CV
Molybdenum									
Nickel									
Selenium									
Silver	1260	1280	102	579	598	103	600	104	P
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0018

Lab Name: *Analytical Services Corp* **Contract:** Neesn

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLP-OSS-32~~ NA

Initial Calibration Source: NIST **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	20.8	101	21.6	105	F
Barium				4740	4660	98.3	4650	98.2	P
Beryllium									
Boron									
Cadmium				1260	1290	102	1290	102	P
Chromium				484	502	104	498	103	P
Cobalt									
Copper									
Iron									
Lead				21.2	21.2	100	22.2	105	F
Manganese									
Mercury	5.0	5.0	100	5.0	4.6	92	4.6	92	CV
Molybdenum									
Nickel									
Selenium									
Silver				579	595	103	596	103	P
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0019

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ N/A 33

Initial Calibration Source: NIST **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	21.2	103	22.2	108	F
Barium				4740	4680	98.7			P
Beryllium									
Boron									
Cadmium				1260	1290	102			P
Chromium				484	506	105			P
Cobalt									
Copper									
Iron									
Lead				21.2	22.6	107	22.8	108	F
Manganese									
Mercury				5.0	5.2	104	5.2	104	CV
Molybdenum									
Nickel									
Selenium									
Silver				579	593	102	~~5.~~		P
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0020

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLS-CSS-3~~ NA

Initial Calibration Source: NIST **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.5	21.8	106			F
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.2	21.0	99.1	21.6	102	F
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium									
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0021

Lab Name: *Analytical Services Corp* **Contract:** Neesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLS-055-S~~ NA

Initial Calibration Source: _____ **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.2	21.6	102	21.9	103	F
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium									
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0022

Lab Name: *Analytical Services Corp* **Contract:** Neesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLS-CSS-3~~ NA

Initial Calibration Source: _____ **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.2	22.2	105	23.2	109	F
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium									
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0023

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** N/A

Initial Calibration Source: _____ **Continuing Calibration Source:** NIST

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				21.2	21.2	100			
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium									
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0024

Lab Name: *Analytical Services Corp* **Contract:** NeosA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Initial Calibration Source: APG **Continuing Calibration Source:** APG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium	39.1	38.5	98.5	23.5	25.5	109	24.2	103	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0025

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLP ESS~~ NA 33

Initial Calibration Source: _____ **Continuing Calibration Source:** APG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium				23.5	22.9	97.4	22.7	96.6	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0026

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~[illegible]~~ N/A

Initial Calibration Source: _____ **Continuing Calibration Source:** APG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium				23.5	23.1	98.3	24.1	103	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0027

Lab Name: *Analytical Services Corp* **Contract:** Neesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NIA

Initial Calibration Source: _____ **Continuing Calibration Source:** HPG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium				23.5	21.5	91.5	23.7	101	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION (2A)

0028

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~GLS-CSS-5~~ N/A

Initial Calibration Source: _____ **Continuing Calibration Source:** APG

Concentration Units: ug/L

ANALYTE	INTIAL CALIBRATION True	Found	%R(1)	CONTINUING CALIBRATION True	Found	%R(1)	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium				23.5	21.9	93.2	22.6	96.2	F
Silver									
Strontium									
Thallium									
Vanadium									
Zinc									

(1)Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

CRDL STANDARD FOR AA AND ICP (2B)

Lab Name: *Analytical Services Corp* **Contract:** Neesa

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~[illegible]~~ [illegible]

AA CRDL Standard Source: Ventures **ICP CRDL Standard Source:** Ventures

Concentration Units: ug/L

ANALYTE	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)
Aluminum								
Antimony								
Arsenic	10.0	11.5	115					
Barium				402	388	96.4	384	95.6
Beryllium								
Boron								
Cadmium				10.8	9.67	89.5	9.25	85.6
Chromium				21.0	21.8	104	23.3	111
Cobalt								
Copper								
Iron								
Lead	3.0	3.8	127					
Manganese								
Mercury	0.2	0.15	75.0					
Molybdenum								
Nickel								
Selenium								
Silver				22.0	14.2	64.5	14.2	64.5
Strontium								
Thallium								
Vanadium								
Zinc								

CRDL STANDARD FOR AA AND ICP (2B) 0030

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** N/A

AA CRDL Standard Source: NIST **ICP CRDL Standard Source:** _____

Concentration Units: ug/L

ANALYTE	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Boron								
Cadmium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Manganese								
Mercury	0.2	0.16	80					
Molybdenum								
Nickel								
Selenium	5.1	4.0	78.4					
Silver								
Strontium								
Thallium								
Vanadium								
Zinc								

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic	1.3	U	-.2	U	-.4	U	-.4	U	0.2	U	F
Barium	0.5	U	0.8	U	0.5	U	1.1	B	0.5	U	P
Beryllium											
Boron											
Cadmium	-0.5	U	-0.6	U	-0.6	U	0.2	U	-0.4	U	P
Chromium	-1.0	U	-0.9	U	1.2	U	2.2	U	1.0	U	P
Cobalt											
Copper											
Iron											
Lead	-1.6	U	-1.4	U	-1.4	U	-1.3	U	-0.9	U	F
Manganese											
Mercury	-0.22	B	-.15	B	-.12	U	-.15	B	-.18	B	CV
Molybdenum											
Nickel											
Selenium	-1.4	B	-0.8	U	-1.2	U	-0.4	U	-1.1	U	F
Silver	-4.2	U	-1.2	U	-4.5	U	-0.5	U	-3.7	U	P
Strontium											
Thallium											
Vanadium											
Zinc											

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** Neesa **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** NA CLF-6583

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic			-0.3	U	-0.7	U	0.1	U			
Barium			0.3	U	0.4	U					
Beryllium											
Boron											
Cadmium			-0.6	U	-0.8	U					
Chromium			-0.7	U	0.3	U					
Cobalt											
Copper											
Iron											
Lead			-0.9	U	-1.3	U	-1.3	U	-0.7	U	F
Manganese											
Mercury	-.14	B	.01	U	-.01	U	.02	U	.02	U	CV
Molybdenum											
Nickel											
Selenium			-1.3	B	-1.8	B	-1.8	B	-0.4	U	F
Silver			-4.0	U	-2.7	U					
Strontium											
Thallium											
Vanadium											
Zinc											

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic			-0.1	U							
Barium											
Beryllium											
Boron											
Cadmium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			-1.4	U	-1.0	U	-1.1	U			F
Manganese											
Mercury			.01	U							CV
Molybdenum											
Nickel											
Selenium			-0.8	U	-0.8	U	-0.2	U			F
Silver											
Strontium											
Thallium											
Vanadium											
Zinc											

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSJ~~ NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Boron											
Cadmium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			-1.3	U	-1.3	U	-0.9	U			F
Manganese											
Mercury											
Molybdenum											
Nickel											
Selenium			-1.2	U							F
Silver											
Strontium											
Thallium											
Vanadium											
Zinc											

BLANKS (3)

Lab Name: *Analytical Services Corp* **Contract:** Neesa **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** ~~[illegible]~~ NA

Prep Blank Matrix: (soil/water) WATER

Prep Blank Concentration Units: (ug/L or mg/kg) ug/L

ANALYTE	INITIAL CALIBRATION BLANK (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Boron											
Cadmium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			-1.0	U							
Manganese											
Mercury											
Molybdenum											
Nickel											
Selenium											
Silver											
Strontium											
Thallium											
Vanadium											
Zinc											

ICP INTERFERENCE CHECK SAMPLE (4)

0036

Lab Name: *Analytical Services Corp* **Contract:** NeesA **Lab Code:** NA

Case #: NA **SAS #:** NA **SDG #:** ~~CES-CSS-3~~ NA

ICP ID #: 61 **ISC Source:** Venture

Concentration Units: ug/L

ANALYTE	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic								
Barium	∅	471	2.0	420	99.6	1.7	462	98.0
Beryllium								
Boron								
Cadmium	∅	874	-7.9	929	106	-8.4	898	103
Chromium	∅	462	-5.3	477	103	-6.8	464	100
Cobalt								
Copper								
Iron								
Lead								
Manganese								
Mercury								
Molybdenum								
Nickel								
Selenium								
Silver	∅	923	-9.7	943	102	-7.2	921	99.8
Strontium								
Thallium								
Vanadium								
Zinc								

SPIKE SAMPLE RECOVERY (5A)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** CLJ-GSS-4

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **Level** (low/med): LOW **% Solids for Sample:** _____

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	20.8		-0.7	U	20	104		F
Barium	75-125	9700		300		10400	90.4		P
Beryllium									
Boron									
Cadmium	75-125	995		1.2	B	1050	94.6		P
Chromium	75-125	5110		3.5	U	5430	94.1		P
Cobalt									
Copper									
Iron									
Lead	75-125	34.3		11.1		20.0	116		F
Manganese									
Mercury	75-125	1.86		-.12	U	2.0	93		CV
Molybdenum									
Nickel									
Selenium	75-125	14.0		-0.7	U	20.0	70	N	F
Silver	75-125	86.0		-3.0	U	93.5	92.0		P
Strontium									
Thallium									
Vanadium									
Zinc									

COMMENTS: _____

SPIKE SAMPLE RECOVERY (5A)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** [illegible]

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **Level** (low/med): LOW **% Solids for Sample:** _____

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	13.1		-.3	U	20	65.5	N	F
Barium	75-125	9410		108		10400	89.4		P
Beryllium									
Boron									
Cadmium	75-125	977		9.9		1050	92.1		P
Chromium	75-125	5030		6.9		5430	92.5		P
Cobalt									
Copper									
Iron									
Lead	75-125	85.2		64.8		20	102		F
Manganese									
Mercury	75-125	2.47		.05	U	2.0	124		CV
Molybdenum									
Nickel									
Selenium	75-125	16.7		0.1	U	20.0	83.5		F
Silver	75-125	89.4		-1.8	U	93.5	95.6		P
Strontium									
Thallium									
Vanadium									
Zinc									

COMMENTS: _____

POST DIGEST SPIKE SAMPLE RECOVERY (5B)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** CLJ-DS-111

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA ~~CLJ-DS-13~~

IC Matrix: (soil/water) WATER **Level** (low/med): LOW

Concentration Units: ug/L

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic	75-125	13.1		-0.3	U	20	65.5	N	F
Barium	75-125	9410		108		10400	89.4		P
Beryllium									
Boron									
Cadmium	75-125	977		9.9		1050	92.1		P
Chromium	75-125	5030		6.9		5430	92.5		P
Cobalt									
Copper									
Iron									
Lead									
Manganese									
Mercury									
Molybdenum									
Nickel									
Selenium									
Silver	75-125	89.4		-1.8	U	93.5	95.6		P
Srontium									
Thallium									
Vanadium									
Zinc									

COMMENTS:

DUPLICATES (6)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** CLJ-CSS-4

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ NA 3

Matrix: (soil/water) WATER **% Solids for Sample:** ____

Level (low/med): LOW **% Solids for Duplicate:** ____

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT	SAMPLE (S)	C	DUPLICATE (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic		-0.7	U	-0.7	U			F
Barium	20	300		298		0.7		P
Beryllium								
Boron								
Cadmium		1.2		1.1		8.7		P
Chromium		3.5	U	3.3	U			P
Cobalt								
Copper								
Iron								
Lead		11.1	B	19.2		53		P
Manganese								
Mercury		-.12	U	-.06	U			CV
Molybdenum								
Nickel								
Selenium		-0.7	U	-0.5	U			F
Silver		-3.0	U	-1.7	U			P
Strontium								
Thallium								
Vanadium								
Zinc								

DUPLICATES (6)

Lab Name: *Analytical Services Corp* **Contract:** NeesA **EPA Sample #:** CLJ-DS-1

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Matrix: (soil/water) WATER **% Solids for Sample:** ____

Level (low/med): LOW **% Solids for Duplicate:** ____

Concentration Units (ug/L or mg/kg dry weight): ug/L

ANALYTE	CONTROL LIMIT	SAMPLE (S)	C	DUPLICATE (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic		-0.3	U	0.1	U			F
Barium	20	108		104		3.8		P
Beryllium								
Boron								
Cadmium	20	9.9		9.4		5.2		P
Chromium		6.9	B	2.4	U			P
Cobalt								
Copper								
Iron								
Lead	20	64.8		63.1		3.0		P
Manganese								
Mercury		.05	U	.07	U			CV
Molybdenum								
Nickel								
Selenium		0.1	U	0.2	U			F
Silver		-1.8	U	-4.3	U			P
Strontium								
Thallium								
Vanadium								
Zinc								

LABORATORY CONTROL SAMPLE (7)

Lab Name: *Analytical Services Corp* **Contract:** NeesA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** NA

Liquid LCS Source: Ventures **Aqueous LCS Source:** _____

ANALYTE	AQUEOUS (ug/L) True	Found	%R	SOLID (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic	20.0	20.0	100						
Barium	10400	9194	88.4						
Beryllium									
Boron									
Cadmium	1050	948	90.3						
Chromium	5430	4910	90.4						
Cobalt									
Copper									
Iron									
Lead	20.0	21.4	107						
Manganese									
Mercury	2.0	2.0	100						
Molybdenum									
Nickel									
Selenium	20.0	19.3	96.5						
Silver	93.5	89.8	96.0						
Strontium									
Thallium									
Vanadium									
Zinc									

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-35~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-37A		1558	50.6			X																			
CCV		1606				X																			
CCB		1613				X																			
CLJ-CSS-38		1620				X																			
CLJ-CSS-38A		1628	86.2			X																			
CLJ-CSS-39		1635				X																			
CLJ-CSS-39A		1642	62.8			X																			
CLJ-CSS-40		1650				X																			
CLJ-CSS-40A		1657																							
CLJ-CSS-40A		1705	69.1			X																			
CLJ-CSS-41		1712																							
CLJ-CSS-41A		1719	52.2			X																			
TCLP BLK		1727																							
TCLP BLK A		1734																							
CCV		1741				X																			

FORM XIV - IN

0900

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CCB		1749				X																			
PBW		1756				X																			
PBWA		1804	92.4			X																			
LCSW		1811				X																			
LCSWA		1819	93.1			X																			
CLJ-DS-110S		1826				X																			
CLJ-DS-110S		1834																							
CLJ-DS-110S		1841																							
CLJ-DS-110		1849				X																			
CLJ-DS-110A		1856	49.8			X																			
CLJ-DS-110D		1904				X																			
CLJ-DS-110DA		1912	61.0			X																			
CCV		1919				X																			
CCB		1927				X																			
CLJ-CSS-43		1934				X																			

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ **Method:** F
Instrument ID Number: 51 **Start Date:** 07/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-43A		1942	56.5			X																			
CLJ-CSS-44		1949				X																			
CLJ-CSS-44A		1957																							
CLJ-CSS-44A		2005	61.9			X																			
CLJ-CSS-45		2012				X																			
CLJ-CSS-45A		2020																							
CLJ-CSS-45A		2027	53.8			X																			
CLJ-CSS-46		2035				X																			
CLJ-CSS-46A		2042	54.5			X																			
CCV		2050				X																			
CCB		2057				X																			
CLJ-DS-10		2105				X																			
CLJ-DS-10A		2112																							
CLJ-DS-10A		2120	76.7			X																			
CLJ-DS-11		2127				X																			

FORM XIV - IN

0062

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** CLJ-CSS-SS **Method:** F
Instrument ID Number: 51 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-DS-11A		2135	55.3			X																			
TCLP BLK		2142				X																			
TCLP BLK A		2149	74.6																						
TCLP BLK A		2157	67.5			X																			
CCV		2204				X																			
CCB		2212				X																			

3/25/94

FORM XIV - IN

0063

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
Cal Blank		1303													X										
S1		1309													X										
S2		1315													X										
S3		1321													X										
S4		1327													X										
ICV		1438																							
ICB		1444																							
ICV		1450													X										
ICB		1456													X										
CRA		1502													X										
PBW		1512													X										
PBWA		1518	105												X										
LCSW		1525													X										
LCSWA		1531	100												X										
CLJ-CSS-425		1537													X										

FORM XIV - IN

0064

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F

Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-42S		1544																							
CLJ-CSS-42S		1550																							
CLJ-CSS-42		1556																							
CLJ-CSS-42A		1603																							
CCV		1614																							
CCV		1624													X										
CCB		1630													X										
CLJ-CSS-42S	5	1636													X										
CLJ-CSS-42S	5	1643																							
CLJ-CSS-42	5	1649													X										
CLJ-CSS-42A	5	1655													X										
CLJ-CSS-42D	5	1702													X										
CLJ-CSS-42DA	5	1708													X										
CLJ-CSS-33		1714																							
CLJ-CSS-33A		1720																							

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CCV		1728													X										
CCB		1734													X										
CLJ-CSS-33	5	1740													X										
CLJ-CSS-33A	5	1746	111												X										
CLJ-CSS-34		1753																							
CLJ-CSS-34A		1759																							
CLJ-CSS-54	5	1806													X										
CLJ-CSS-34A	5	1812	119												X										
CLJ-CSS-35		1818																							
CLJ-CSS-35A		1824																							
CLJ-CSS-35	10	1832													X										
CLJ-CSS-35A	10	1838	107												X										
CCV		1844													X										
CCB		1850													X										
CLJ-CSS-36		1856																							

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA DM **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ **Method:** F
Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-36A		1902																							
CLJ-CSS-36	5	1909													X										
CLJ-CSS-36A	5	1915	110												X										
CLJ-CSS-37		1921																							
CLJ-CSS-37A		1927																							
CLJ-CSS-37	5	1934													X										
CLJ-CSS-37A	5	1940	114												X										
CLJ-CSS-38		1946																							
CLJ-CSS-38A		1952																							
CCV		2000													X										
CCB		2006													X										
CLJ-CSS-38	25	2012													X										
CLJ-CSS-38A	25	2018	115												X										
CLJ-CSS-39		2025																							
CLJ-CSS-39A		2031																							

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ **Method:** F
Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-39	5	2037																							
CLJ-CSS-39	5	2043													X										
CLJ-CSS-39A	5	2049	113												X										
CLJ-CSS-40		2055																							
CLJ-CSS-40A		2101																							
CCV		2109													X										
CCB		2115													X										
CLJ-CSS-40	5	2121													X										
CLJ-CSS-40A	5	2127	117												X										
CLJ-CSS-41		2133																							
CLJ-CSS-41A		2139																							
CLJ-CSS-41		2145																							
CLJ-CSS-41		2152													X										
CLJ-CSS-41A		2158	109												X										
TCLP BLK		2204																							

FORM XIV - IN

0068

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ **Method:** F
Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
TCLP BLKA		2210																							
CCV		2220													X										
CCB		2226													X										
TCLP BLK		2233													X										
TCLP BLKA		2239													X										
PBW		2245													X										
PBWA		2251	91.7												X										
LCSW		2257																							
LCSW		2304													X										
LCSWA		2310	103												X										
CLJ-DS-110S		2316																							
CLJ-DS-110S		2322																							
CLJ-DS-110S		2329																							
CCV		2335													X										
CCB		2341													X										

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-35~~ **Method:** F

Instrument ID Number: 41 **Start Date:** 03/16/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-11D		2347																							
CLJ-CSS-11D		2354																							
CLJ-CSS-11DA		0000																							
CLJ-CSS-11DS	5	0010																							
CLJ-CSS-11DS	5	0017																							
CLJ-CSS-11D	5	0023													X										
CLJ-CSS-11DA	5	0029	107												X										
CLJ-CSS-11DD	5	0032													X										
CLJ-CSS-11DDS	5	0042	103												X										
CCV		0048													X										
CCB		0054													X										
CLJ-CSS-43		0101																							
CLJ-CSS-43A		0107																							
CLJ-CSS-43	5	0114													X										
CLJ-CSS-43A	5	0120	108												X										

FORM XIV - IN

0070

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-39~~ **Method:** F
Instrument ID Number: 41 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-44		0126																							
CLJ-CSS-44		0133																							
CLJ-CSS-44		0140																							
CLJ-CSS-44		0146																							
CLJ-CSS-44		0153																							
CCV		0159													X										
CCV		0206													X										
CLJ-CSS-44		0212																							
CLJ-CSS-44	10	0217													X										
CLJ-CSS-44A	10	0224	120												X										
CLJ-CSS-45		0230																							
CLJ-CSS-45B		0236																							
CLJ-CSS-45	5	0244													X										
CLJ-CSS-45A	5	0250	108												X										
CLJ-CSS-46		0256																							

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ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeosA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 41 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-46A		0302																							
CCV		0309													X										
CCB		0315													X										
CLJ-CSS-46	5	0321													X										
CLJ-CSS-46A	5	0327	7.7												X										
CLJ-DS-10		0336																							
CLJ-DS-10		0342																							
CLJ-DS-10A		0348																							
CLJ-DS-10	5	0354													X										
CLJ-DS-10A	5	0400	11.7												X										
CLJ-DS-11		0407																							
CLJ-DS-11A		0413																							
CCV		0419																							
CCV		0425																							
CCV		0428																							

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ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 41 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CCV		0434													X										
CCB		0440													X										
CLJ-DS-11		0446																							
CLJ-DS-11		0452																							
CLJ-DS-11A		0458																							
CCV		0505																							
CCV		0511													X										
CCB		0518																							
CLJ-DS-11		0522																							
CCB		0528													X										
CLJ-DS-11		0534																							
CLJ-DS-11	100	0541													X										
CLJ-DS-11A	100	0547	108																						
TCLP BLK		0553																							
TCLP BLKA		0559																							

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLS CSS-33~~ **Method:** F
Instrument ID Number: 41 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
TCLPBLK	5	0605													X										
TCLPBLKA	5	0612	115												X										
CCV		0618													X										
CCB		0624													X										
CRA		0630																							

3/28/94

FORM XIV - IN

0074

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLS-CSS-33~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 3/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
Cal Blank		1259																		X					
S1		1305																		X					
S2		1312																		X					
S3		1319																		X					
S4		1326																		X					
S5		1333																		X					
S6		1339																		X					
ICV		1444																		X					
ICB		1451																		X					
CRA		1458																							
CRA		1505																		X					
PBW		1512																		X					
PBWA		1519																							
PBWA		1526	87.0																	X					
LCSW		1533																		X					

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 3/16/94 **End Date:** 3/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
LCSWA		1540	106																	X					
CLJ-CSS-42S		1547																		X					
CLJ-CSS-42S		1554																							
CLJ-CSS-42		1601																		X					
CLJ-CSS-42A		1608	61.0																	X					
CLJ-CSS-42D		1615																		X					
CLJ-CSS-42DA		1622	49.0																	X					
CCV		1630																		X					
CCB		1637																		X					
CLJ-CSS-33		1643																		X					
CLJ-CSS-33A		1650	60.0																	X					
CLJ-CSS-34		1657																		X					
CLJ-CSS-34A		1704	47.0																	X					
CLJ-CSS-35		1711																							
CLJ-CSS-35A		1718																							

FORM XIV - IN

0076

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CCV		1728																							
CCV		1736																		X					
CCB		1744																		X					
CLJ-CSS-35		1750																		X					
CLJ-CSS-35A		1757	54.0																	X					
CLJ-CSS-36		1804																		X					
CLJ-CSS-36A		1811	58.0																	X					
CLJ-CSS-37		1819																		X					
CLJ-CSS-37A		1826																							
CLJ-CSS-37A		1833	50.0																	X					
CLJ-CSS-38		1840																							
CLJ-CSS-38A		1847																							
CCV		1855																		X					
CCB		1901																		X					
CLJ-CSS-38		1908																		X					

FORM XIV - IN

0077

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-38~~ NA **Method:** F
Instrument ID Number: 51 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CLJ-CSS-38A		1915																							
CLJ-CSS-38A		1922	51.0																	X					
CLJ-CSS-39		1928																		X					
CLJ-CSS-39A		1935	40.0																	X					
CLJ-CSS-40		1942																							
CCV		1958																		X					
CCB		2005																		X					
CLJ-CSS-40		2012																		X					
CLJ-CSS-40A		2018																							
CLJ-CSS-40A		2025	56.0																	X					
CLJ-CSS-41		2032																		X					
CLJ-CSS-41A		2039																							
CLJ-CSS-41A		2046	63.6																	X					
TCLP BLK		2053																		X					
TCLP BLK		2100	53.0																	X					

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLI CSS-93~~ **Method:** F
Instrument ID Number: 51 **Start Date:** 03/16/94 **End Date:** 03/16/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CCV		2108																		X					
CCB		2115																		X					
PBW		2121																							
PBWA		2128																							
CCV		2136																		X					
CCB		2143																		X					
PBW		2150																							
PBW		2157																							
PBWA		2204																							
PBW		2214																		X					
PBWA		2221	109																	X					
LCSW		2228																							
LCSW		2235																		X					
LCSWA		2242	97.4																	X					
CLI-05-11DS		2249																		X					

FORM XIV - IN

0079

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NoesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ **Method:** F
Instrument ID Number: 51 **Start Date:** 03/16/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CLJ-DS-110S		2256																							
CCV		2305																							
CCV		2312																							
CCV		2317																		X					
CCB		2323																		X					
CLJ-DS-110		2330																		X					
CLJ-DS-110A		2337	77.0																	X					
CLJ-DS-110D		2344																		X					
CLJ-DS-110DS		2351	49.0																	X					
CLJ-CSS-43		2358																		X					
CLJ-CSS-43A		0005																							
CLJ-CSS-43A		0012	77.0																	X					
CLJ-CSS-44		0020																		X					
CLJ-CSS-44A		0027	54.0																	X					
CCV		0034																		X					

FORM XIV - IN

0080

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA NJ **Method:** F
Instrument ID Number: 51 **Start Date:** 03/17/94 **End Date:** 03/27/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CCB		0041																		X					
CLJ-CSS-45		0048																		X					
CLJ-CSS-45A		0055	59.0																	X					
CLJ-CSS-46		0102																		X					
CLJ-CSS-46A		0109																							
CLJ-CSS-46A		0116	81.0																	X					
CLJ-DS-10		0123																		X					
CLJ-DS-10A		0130	74.0																	X					
CLJ-DS-11		0136																		X					
CLJ-DS-11A		0143	64.0																	X					
CCV		0151																							
CCV		0158																		X					
CCB		0204																		X					
TCLP BLK		0211																		X					
TCLP BLK A		0218	75.0																	X					

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLP-CSS-33~~ **Method:** F
Instrument ID Number: 51 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	SE	AG	SR	TL	V	ZN
CCV		0225																		X					
CCB		0231																		X					

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FORM XIV - IN

0082

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLS-CSS-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
S1		0855															X								
S1		0858															X								
S1		0901															X								
S2		0905															X								
S2		0908															X								
S2		0912															X								
S3		0915															X								
S3		0918															X								
S3		0922															X								
S4		0925															X								
S4		0929															X								
S4		0932															X								
S5		0935															X								
S5		0939															X								
S5		0942															X								

FORM XIV - IN

0083

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~L6J5-CSS-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
56		0946															X								
56		0949															X								
56		0952															X								
ICB		0956																							
ICB		1001															X								
ICV		1004															X								
CRA		1008																							
CRA		1011																							
CRA		1016															X								
ZZZZZ		1019																							
ZZZZZ		1023																							
ZZZZZ		1026																							
ZZZZZ		1029																							
ZZZZZ		1033																							
ZZZZZ		1036																							

FORM XIV - IN

0084

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/12/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CCB		1639															X								
CCV		1043															X								
PBW		1046															X								
LCSW		1049															X								
CLJ-CSS-42S		1053															X								
CLJ-CSS-42S		1056																							
CLJ-CSS-42		1059															X								
CLJ-CSS-42D		1103															X								
CLJ-CSS-33		1106															X								
CLJ-CSS-34		1109															X								
CLJ-CSS-35		1112															X								
CCB		1118															X								
CCV		1121															X								
CLJ-CSS-36		1125															X								
CLJ-CSS-37		1128															X								

FORM XIV - IN

0085

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/17/94 **End Date:** 03/17/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CLJ-CSS-38		1132																							
CLJ-CSS-39		1135																							
CLJ-CSS-40		1138																							
CLJ-CSS-41		1141																							
TCLPBLANK		1145																							
Z		1148																							
Z		1151																							
Z		1154																							
CCB		1158																							
CCV		1201																							

FORM XIV - IN

0080

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ 055-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/15/94 **End Date:** 03/15/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
S1		1327															X								
S1		1331															X								
S1		1334															X								
S2		1337															X								
S2		1341															X								
S2		1344															X								
S3		1348															X								
S3		1351															X								
S3		1354															X								
S4		1358															X								
S4		1401															X								
S4		1404															X								
S5		1408															X								
S5		1411															X								
S5		1415															X								

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-055-33~~ **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/15/94 **End Date:** 03/15/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
S6		1418															X								
S6		1421															X								
S6		1425															X								
ICB		1428															X								
ICV		1432																							
ICV		1435																							
ICV		1439															X								
CRA		1442															X								
CCB		1549															X								
CCV		1552															X								
ZZZZZ		1556																							
ZZZZZ		1559																							
ZZZZZ		1602																							
ZZZZZ		1605																							
ZZZZZ		1609																							

FORM XIV - IN

0088

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeosA
Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-43~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/15/94 **End Date:** 03/15/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
PBW		1612															X								
LCSW		1615																							
CLJ-DS-11DS		1618																							
CCB		1624															X								
CCV		1629															X								
LCSW		1642															X								
CLJ-DS-11DS		1645															X								
CLJ-DS-11DS		1648																							
CLJ-DS-11D		1651															X								
CLJ-DS-11DD		1655															X								
CLJ-CSS-43		1658															X								
CLJ-CSS-44		1701															X								
CLJ-CSS-45		1704															X								
CLJ-CSS-46		1708															X								
CLJ-DS-10		1711															X								

FORM XIV - IN

ANALYSIS RUN LOG (14)

Lab Name: Analytical Services Corp **Lab Code:** NA **Contract:** NeesA
Case #: NA **SAS #:** NA **SDG #:** ~~03-CSS-33~~ NA **Method:** CV
Instrument ID Number: 200 **Start Date:** 03/15/94 **End Date:** 03/15/94

EPA Sample Number	D/F	Time	% R	Analytes																					
				AL	SB	AS	BA	BE	B	CD	CR	CO	CU	FE	PB	MN	HG	MO	NI	S	AG	SR	TL	V	ZN
CCB		1714															X								
CCV		1718															X								
CLJ-DS-11		1721															X								
TCLP Blank		1724															X								
ZZZZZ		1727																							
ZZZZZ		1731																							
ZZZZZ		1734																							
ZZZZZ		1737																							
ZZZZZ		1740																							
ZZZZZ		1744																							
ZZZZZ		1747																							
ZZZZZ		1750																							
CCB		1754															X								
CCV		1757															X								

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FORM XIV - IN

0090

INSTRUMENT DETECTION LIMITS - QUARTERLY (11)

0091

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~C15-QS-33~~ NA #1 **ICP ID #:** 61

Date: 2-15-94 **Flame AA ID #:** _____ **Furnace AA ID #:** 51

ANALYTE	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		
Antimony			60		
Arsenic			10		
Barium	493.41		200	1.0	P
Beryllium			5		
Boron					
Cadmium	214.44		5	1.1	P
Chromium	267.72		10	4.2	P
Cobalt			50		
Copper			100		
Iron			100		
Lead	220.35		5	18.4	P
Manganese			15		
Mercury			0.2		
Molybdenum					
Nickel			40		
Selenium			5	-	
Silver	328.07		10	8.0	P
Strontium					
Thallium			10		
Vanadium			50		
Zinc			20		

COMMENTS: _____

INSTRUMENT DETECTION LIMITS - QUARTERLY (11)

0092

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** NA **ICP ID #:** _____

Date: 2-11-94 **Flame AA ID #:** _____ **Furnace AA ID #:** 51

ANALYTE	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		
Antimony			60		
Arsenic	193.7	BZ	10	1.0	F
Barium			200		
Beryllium			5		
Boron					
Cadmium			5		
Chromium			10		
Cobalt			50		
Copper			100		
Iron			100		
Lead	283.3	BZ	3	2.0	F
Manganese			15		
Mercury			0.2		
Molybdenum					
Nickel			40		
Selenium	196.00	BZ	5	1.3	F
Silver			10		
Strontium					
Thallium			10		
Vanadium			50		
Zinc			20		

COMMENTS: _____

INSTRUMENT DETECTION LIMITS - QUARTERLY (11)

0093

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CJJ-33~~ NA MY **ICP ID #:** _____

Date: 2-11-94 **Flame AA ID #:** _____ **Furnace AA ID #:** 41

ANALYTE	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		
Antimony			60		
Arsenic	193.7	BZ	10	1.4	F
Barium			200		
Beryllium			5		
Boron					
Cadmium			5		
Chromium			10		
Cobalt			50		
Copper			100		
Iron			100		
Lead	283.3	BZ	3	2.3	F
Manganese			15		
Mercury			0.2		
Molybdenum					
Nickel			40		
Selenium			5		
Silver			10		
Strontium					
Thallium			10		
Vanadium			50		
Zinc			20		

COMMENTS: _____

ICP INTERELEMENT CORRECTION FACTORS -0094
QUARTERLY (12A)

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-00533~~ NA NA **ICP ID #:** 61

Date: _____

ANALYTE	Wave-length (nm)	Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	V
Aluminum						
Antimony						
Arsenic						
Barium	493.41					
Beryllium						
Boron						
Cadmium	214.44	.00007		.000046		-.00021
Chromium	267.72					.00008
Cobalt						
Copper						
Iron						
Lead	220.35	.001195		.000104		
Manganese						
Mercury						
Molybdenum						
Nickel						
Selenium						
Silver	328.07					-.00242
Strontium						
Thallium						
Vanadium						
Zinc						

COMMENTS: _____

ICP INTERELEMENT CORRECTION FACTORS - QUARTERLY (12B)

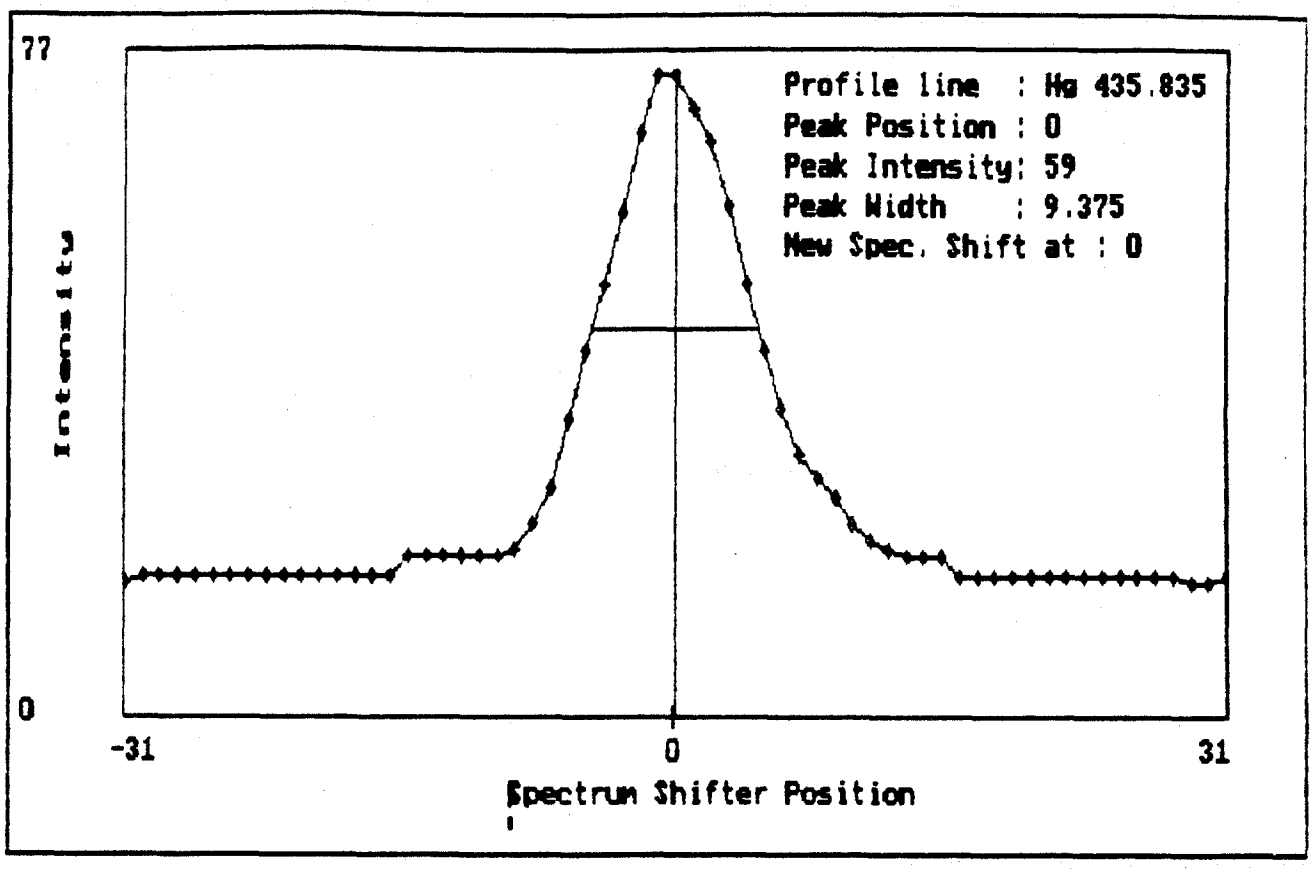
Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NeesA

Case #: NA **SAS #:** NA **SDG #:** ~~CLS 655~~ NA NA-33 **ICP ID #:** 61

Date: _____

ANALYTE	Wave-length (nm)	Interelement Correction Factors For:				
		Mo	Mn	Cr	Co	Ni
Aluminum						
Antimony						
Arsenic						
Barium	493.41					
Beryllium						
Boron						
Cadmium	214.44					
Chromium	267.72	-.00048	.00022			
Cobalt						
Copper						
Iron						
Lead	220.35			-.00078	-.0191	.000752
Manganese						
Mercury						
Molybdenum						
Nickel						
Selenium						
Silver	328.07	-.00084	.000111			
Strontium						
Thallium						
Vanadium						
Zinc						

COMMENTS: _____


77
0
Intensity
Profile line : Hg 435.835
Peak Position : 0
Peak Intensity: 59
Peak Width : 9.375
New Spec. Shift at : 0
-31
0
31
Spectrum Shifter Position

Method: ICAP3 Standard: STD1-Blank

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Avge	.0000	-.0002	.0029	.0017	-.0014	-.0022	.0023
SDev	.0006	.0001	.0048	.0023	.0057	.0037	.0014
%RSD	.0000	51.16	161.5	138.9	391.7	168.7	61.86
#1	-.0003	-.0001	.0083	.0043	.0047	.0005	.0007
#2	.0007	-.0002	.0012	.0002	-.0025	-.0007	.0032
#3	-.0003	-.0003	-.0007	.0005	-.0065	-.0063	.0032

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Fe	Al3082
Avge	-.0002	.0006	.0012	-.0007	-.0343	-.0012	.0008
SDev	.0008	.0003	.0006	.0003	.0169	.0005	.0068
%RSD	458.3	40.57	48.79	35.25	49.16	41.66	812.6
#1	-.0008	.0005	.0005	-.0010	-.0148	-.0017	-.0043
#2	.0007	.0004	.0015	-.0005	-.0433	-.0007	.0085
#3	-.0003	.0009	.0016	-.0007	-.0447	-.0013	-.0017

Elem	Be3130	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179
Avge	.0007	.0007	.0004	.0006	.0012	-.0011	-.0003
SDev	.0001	.0003	.0005	.0016	.0017	.0028	.0007
%RSD	13.32	35.25	114.6	283.5	149.1	261.5	242.5
#1	.0008	.0005	.0000	.0023	.0000	-.0037	-.0010
#2	.0007	.0010	.0010	.0000	.0003	.0018	.0003
#3	.0007	.0007	.0003	-.0007	.0032	-.0013	-.0002

Elem	Na5889	Sr4215	Co2286	K_7664	V_2924	B_1826
Avge	.7661	.0000	.0006	.0197	-.0016	.2058
SDev	.0058	.0000	.0011	.0052	.0007	.0016
%RSD	.7603	.0000	196.6	26.42	41.81	.7975
#1	.7645	.0000	.0017	.0257	-.0020	.2072
#2	.7725	.0000	-.0005	.0167	-.0008	.2063
#3	.7612	.0000	.0004	.0167	-.0020	.2040

Method: ICAP3 Standard: STD3 0729

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Avge	1.896	12.21	35.00	2.072	2.788	3.171	.5601
SDev	.010	.04	.16	.003	.009	.008	.0015
%RSD	.5250	.3670	.4623	.1653	.3139	.2483	.2765
#1	1.903	12.23	34.83	2.072	2.779	3.177	.5588
#2	1.900	12.25	35.15	2.076	2.796	3.162	.5618
#3	1.885	12.16	35.01	2.069	2.787	3.174	.5597

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Avge	.4669	2.177	3.375	1.516	3.748	5.005	.5696
SDev	.0046	.007	.009	.004	.007	.011	.0013
%RSD	.9868	.3189	.2812	.2703	.1750	.2192	.2235
#1	.4617	2.170	3.369	1.513	3.751	5.002	.5693
#2	.4690	2.184	3.385	1.520	3.753	5.017	.5710
#3	.4702	2.176	3.369	1.513	3.741	4.997	.5685

Elem	Mn2576	Sb2068	Mg2790	Ca3179	Na5889	Co2286	K_7664
Avge	8.705	1.217	7.548	17.38	17.30	6.708	.3557
SDev	.025	.010	.020	.03	.03	.012	.0016
%RSD	.2873	.7959	.2687	.1903	.1691	.1818	.4519
#1	8.706	1.206	7.525	17.36	17.30	6.696	.3545
#2	8.730	1.225	7.564	17.42	17.34	6.720	.3550
#3	8.680	1.219	7.555	17.37	17.28	6.707	.3575

Elem	V_2924
Avge	2.187
SDev	.004
%RSD	.1874
#1	2.185
#2	2.191
#3	2.184

Method: ICAP3 Standard: STD4 0775

Elem	Fe
Avge	10.21
SDev	.07
%RSD	.7271
#1	10.15
#2	10.29
#3	10.18

Method: ICAP3 Standard: STD2 0761

Elem	Ti3349	Mo2020	Sr4215	B_1826
Avge	3.720	.4016	1.945	6.303
SDev	.035	.0034	.020	.061
%RSD	.9427	.8549	1.028	.9719
#1	3.689	.3980	1.928	6.238
#2	3.758	.4048	1.967	6.360
#3	3.714	.4020	1.941	6.312

Method: ICAP3 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
As1890	189.042	STD3 0729	STD1-Blank	5.27442	.000000	03/17/94 09:32:50
Ba4934	493.409	STD3 0729	STD1-Blank	1.63734	.000364	03/17/94 09:32:50
Cd2144	214.423	STD3 0729	STD1-Blank	.142879	-.000421	03/17/94 09:32:50
Cr2677	267.716	STD3 0729	STD1-Blank	.965976	-.001610	03/17/94 09:32:50
Pb2203	220.353	STD3 0729	STD1-Blank	3.58537	.005179	03/17/94 09:32:50
Se1960	196.026	STD3 0729	STD1-Blank	3.15098	.006827	03/17/94 09:32:50
Ag3280	328.068	STD3 0729	STD1-Blank	4.48207	-.010458	03/17/94 09:32:50
Cu3247	324.754	STD3 0729	STD1-Blank	5.35205	.000892	03/17/94 09:32:50

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Zn2138	213.856	STD3 0729	STD1-Blank	2.29753	-.001436	03/17/94 09:32:50
Ni2316	231.604	STD3 0729	STD1-Blank	1.48223	-.001774	03/17/94 09:32:50
Tl1908	190.864	STD3 0729	STD1-Blank	6.59486	.004763	03/17/94 09:32:50
Fe	259.940	STD3 0729	STD1-Blank	2.66710	.003260	03/17/94 09:32:50
Fe	385.958	STD4 0775	STD1-Blank	19.5272	.669350	03/17/94 09:32:50
Al3082	308.215	STD3 0729	STD1-Blank	3.99654	-.003330	03/17/94 09:32:50
Be3130	313.042	STD3 0729	STD1-Blank	.878906	-.000635	03/17/94 09:32:50
Ti3349	334.941	STD2 0761	STD1-Blank	2.68853	-.001942	03/17/94 09:32:50
Mn2576	257.610	STD3 0729	STD1-Blank	.574397	-.000255	03/17/94 09:32:50
Mo2020	202.030	STD2 0761	STD1-Blank	2.94224	-.001635	03/17/94 09:32:50
Sb2068	206.838	STD3 0729	STD1-Blank	8.22669	-.009598	03/17/94 09:32:50
Mg2790	279.079	STD3 0729	STD1-Blank	6.62315	.006991	03/17/94 09:32:50
Ca3179	317.933	STD3 0729	STD1-Blank	2.87605	.000799	03/17/94 09:32:50
Na5889	588.995	STD3 0729	STD1-Blank	3.02320	-2.31594	03/17/94 09:32:50
Sr4215	421.552	STD2 0761	STD1-Blank	2.57062	.000000	03/17/94 09:32:50
Co2286	228.616	STD3 0729	STD1-Blank	.745466	-.000412	03/17/94 09:32:50
K_7664	766.491	STD3 0729	STD1-Blank	148.810	-2.92659	03/17/94 09:32:50
V_2924	292.402	STD3 0729	STD1-Blank	2.28467	.003681	03/17/94 09:32:50
B_1826	182.640	STD2 0761	STD1-Blank	.820008	-.168785	03/17/94 09:32:50

Method: ICAP3 Sample Name: STD3 CHECK Operator: DK
Run Time: 03/17/94 09:37:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	10.19	19.97	5.141	2.032	10.37	10.16	2.556
SDev	.08	.21	.051	.022	.11	.10	.027
%RSD	.7522	1.041	.9868	1.061	1.107	.9920	1.044
#1	10.14	19.83	5.141	2.019	10.29	10.07	2.533
#2	10.28	20.21	5.191	2.057	Q10.50	10.27	2.585
#3	10.15	19.86	5.090	2.021	10.31	10.14	2.551
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.00	20.00	5.000	2.000	10.00	10.00	2.500
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.431	5.060	5.086	10.15	10.06	20.36	.5025
SDev	.032	.051	.050	.09	.10	.20	.0053
%RSD	1.306	1.015	.9853	.8892	1.016	1.004	1.059
#1	2.398	5.018	5.066	10.07	9.993	20.20	.4994
#2	2.461	5.117	5.143	10.25	10.18	20.59	.5087
#3	2.434	5.044	5.050	10.12	10.01	20.29	.4995
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.500	5.000	5.000	10.00	10.00	20.00	.5000
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0027	5.072	-.0057	10.27	51.21	50.43	50.75

SDev	.0011	.050	.0020	.09	.53	.50	.54
%RSD	41.94	.9804	35.08	.8977	1.043	.9845	1.069
#1	.0025	5.039	-.0079	10.21	50.82	50.10	50.36
#2	.0039	5.129	-.0041	10.38	51.82	51.00	51.37
#3	.0016	5.048	-.0050	10.23	50.99	50.19	50.52
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value		5.000		10.00	50.00	50.00	50.00
Range		5.000		5.000	5.000	5.000	5.000

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0157	5.083	50.31	5.061	.0338
SDev	.0003	.051	.92	.050	.0020
%RSD	1.575	.9978	1.838	.9908	5.839
#1	.0159	5.042	49.65	5.025	.0354
#2	.0159	5.140	51.36	5.119	.0343
#3	.0154	5.067	49.90	5.041	.0316
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		5.000	50.00	5.000	
Range		5.000	5.000	5.000	

Method: ICAP3 Sample Name: ICV Operator: DK
Run Time: 03/17/94 09:48:46
Comment: IA,Q7M3943
Mode: CONC Corr. Factor: 1

wrong October see review DK 3/17/94

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.861	9.355	2.642	1.003	4.909	4.808	1.289
SDev	.038	.088	.014	.007	.036	.079	.010
%RSD	.7722	.9422	.5408	.6594	.7436	1.640	.7961
#1	4.846	9.353	2.654	1.003	4.928	4.829	1.292
#2	4.904	9.444	2.646	1.009	4.932	4.874	1.297
#3	4.834	9.268	2.626	.9957	4.867	4.720	1.277
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.830	9.310	2.610	1.070	4.950	4.870	1.260
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.269	2.578	2.629	4.552	4.817	9.887	Q.2523
SDev	.014	.024	.030	.066	.042	.081	.0021
%RSD	1.094	.9211	1.134	1.440	.8775	.8232	.8276
#1	1.273	2.579	2.622	4.539	4.822	9.877	Q.2523
#2	1.280	2.602	2.661	4.623	4.857	9.973	Q.2543
#3	1.253	2.554	2.603	4.494	4.772	9.811	Q.2502
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	1.350	2.460	2.540	4.670	4.680	9.460	.1890

Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.724	2.590	Q.2520	4.855	24.24	24.32	Q24.53
SDev	.041	.021	.0019	.037	.22	.19	.20
%RSD	.8776	.8026	.7344	.7696	.9108	.7917	.8342
#1	4.723	2.587	Q.2541	4.838	24.24	24.31	Q24.55
#2	4.766	2.612	Q.2511	4.898	24.46	24.51	Q24.73
#3	4.683	2.571	Q.2507	4.828	24.02	24.13	Q24.32
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail
Value	4.770	2.510	.1920	4.750	23.80	24.00	39.80
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	2.557	2.599	24.45	4.828	Q2.385
SDev	.022	.020	.67	.039	.016
%RSD	.8766	.7863	2.749	.8000	.6890
#1	2.554	2.601	25.15	4.829	Q2.381
#2	2.581	2.618	23.81	4.866	Q2.403
#3	2.536	2.577	24.38	4.789	Q2.371
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.520	2.520	23.80	4.780	4.640
Range	10.50	10.50	10.50	10.50	10.50

Method: ICAP3 Sample Name: ICV, C772 Operator: DK
Run Time: 03/17/94 09:54:32
Comment: IA,Q7M3943
Mode: CONC Corr. Factor: 1

DK 3/17/94

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.850	9.341	2.627	.9996	4.905	4.782	1.281
SDev	.005	.037	.006	.0040	.004	.058	.003
%RSD	.0999	.3979	.2255	.3985	.0838	1.205	.2695
#1	4.853	9.327	2.633	.9960	4.905	4.717	1.280
#2	4.844	9.314	2.622	.9989	4.909	4.824	1.278
#3	4.852	9.384	2.627	1.004	4.901	4.807	1.285
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.410	9.240	2.530	.9730	4.680	4.590	1.260
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.257	2.574	2.631	4.558	4.803	9.892	.2519
SDev	.004	.009	.012	.010	.010	.030	.0010
%RSD	.3287	.3551	.4717	.2256	.2035	.3036	.4132
#1	1.254	2.565	2.617	4.569	4.796	9.871	.2510

#2	1.254	2.574	2.642	4.555	4.800	9.879	.2516
#3	1.261	2.584	2.633	4.549	4.814	9.927	.2530
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.260	2.480	2.500	4.510	4.670	9.630	.2480
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.714	2.563	.2513	4.852	24.24	24.31	24.49
SDev	.017	.007	.0036	.037	.05	.07	.06
%RSD	.3610	.2648	1.444	.7651	.2079	.3015	.2627
#1	4.703	2.560	.2526	4.815	24.18	24.24	24.45
#2	4.706	2.558	.2541	4.852	24.26	24.30	24.46
#3	4.733	2.571	.2472	4.889	24.27	24.38	24.56
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.690	2.500	.2530	4.620	23.30	23.10	23.80
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	2.552	2.594	24.17	4.820	2.383		
SDev	.010	.008	.41	.016	.007		
%RSD	.3777	.3166	1.687	.3361	.2997		
#1	2.548	2.588	23.71	4.806	2.379		
#2	2.545	2.592	24.33	4.816	2.379		
#3	2.563	2.604	24.48	4.838	2.391		
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass		
Value	2.540	2.510	23.80	4.730	2.390		
Range	10.50	10.50	10.50	10.50	10.50		

Method: ICAP3 Sample Name: ICB Operator: DK
Run Time: 03/17/94 09:57:36
Comment: IC,Q7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0009	.0005	-.0005	-.0010	.0046	-.0019	-.0042
SDev	.0128	.0009	.0008	.0010	.0045	.0077	.0004
%RSD	1457.	163.7	142.3	100.2	99.14	399.6	10.17
#1	.0114	.0015	.0002	-.0016	-.0002	-.0052	-.0045
#2	-.0141	.0003	-.0013	.0002	.0052	-.0073	-.0037
#3	.0000	-.0002	-.0005	-.0016	.0087	.0068	-.0045
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0039	.0024	.0006	.0096	.0585	.0365	-.0000
SDev	.0052	.0013	.0016	.0098	.0007	.0148	.0000
%RSD	133.2	55.91	269.9	102.9	1.157	40.51	1.166

#1	.0098	.0039	-.0010	.0209	.0593	.0501	-.0000
#2	.0009	.0016	.0023	.0050	.0584	.0387	-.0000
#3	.0009	.0016	.0005	.0028	.0579	.0207	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0012	.0008	-.0015	.0110	.0600	.0145	.1737
SDev	.0008	.0003	.0007	.0148	.0134	.0035	.0365
%RSD	64.95	38.19	51.08	134.6	22.39	23.85	21.00
#1	.0021	.0011	-.0016	.0151	.0754	.0185	.2130
#2	.0007	.0005	-.0006	.0233	.0511	.0123	.1409
#3	.0007	.0007	-.0021	-.0054	.0534	.0128	.1671

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0000	.0015	-.4216	.0005	.0082
SDev	.0000	.0006	.2795	.0006	.0014
%RSD	.0000	41.41	66.29	115.8	16.60
#1	.0000	.0020	-.2728	.0010	.0093
#2	.0000	.0017	-.7440	-.0001	.0087
#3	.0000	.0008	-.2480	.0006	.0067

Method: ICAP3 Sample Name: CRI,0784 Operator: DK
Run Time: 03/17/94 10:02:53
Comment: IL,Q7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.2152	.3878	.0097	.0218	.1576	.2363	Q.0142
SDev	.0046	.0006	.0002	.0014	.0025	.0200	.0017
%RSD	2.119	.1416	2.347	6.623	1.589	8.472	12.14
#1	.2126	.3873	.0095	.0227	.1568	.2484	Q.0122
#2	.2126	.3884	.0099	.0201	.1556	.2132	Q.0152
#3	.2205	.3877	.0096	.0225	.1604	.2473	Q.0152
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.2208	.4021	.0108	.0210	.1600	.2014	.0220
Range	25.00	25.00	25.00	25.00	25.00	25.00	25.00

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0999	.0391	.0785	.2067	.2124	.4140	.0098
SDev	.0039	.0011	.0021	.0081	.0016	.0220	.0000
%RSD	3.891	2.811	2.687	3.905	.7538	5.317	.0147
#1	.0972	.0394	.0794	.1976	.2111	.3894	.0098
#2	.1044	.0379	.0761	.2096	.2142	.4320	.0098
#3	.0981	.0400	.0800	.2130	.2119	.4206	.0098
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.1043	.0412	.0882	.2086	.2101	.4069	.0101
Range	25.00	25.00	25.00	25.00	25.00	25.00	25.00

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0003	.0247	.0200	.1005	2.012	9.899	9.944
SDev	.0003	.0002	.0020	.0131	.026	.009	.030
%RSD	86.60	.8940	9.901	13.04	1.311	.0924	.2994
#1	-.0001	.0245	.0179	.0992	1.983	9.906	9.920
#2	-.0006	.0248	.0204	.1142	2.017	9.903	9.977
#3	-.0001	.0248	.0218	.0881	2.035	9.889	9.935
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0249	.0203	.1017	2.031	10.29	10.29
Range		25.00	25.00	25.00	25.00	25.00	25.00

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0001	.0526	9.962	.0995	Q.0117
SDev	.0003	.0015	.169	.0014	.0019
%RSD	173.2	2.891	1.695	1.450	16.17
#1	.0000	.0510	10.02	.1011	Q.0138
#2	.0004	.0528	9.772	.0988	Q.0109
#3	.0000	.0540	10.09	.0985	Q.0103
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Fail
Value		.0526		.1044	.0191
Range		25.00		25.00	25.00

Method: ICAP3 Sample Name: ICSA,0775 Operator: DK
Run Time: 03/17/94 10:10:17
Comment: IF,Q7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0050	.0020	-.0079	-.0053	.0105	.0223	-.0097
SDev	.0128	.0006	.0003	.0007	.0109	.0092	.0027
%RSD	253.6	28.64	4.212	12.40	103.9	41.00	27.78
#1	.0153	.0026	-.0076	-.0051	.0230	.0300	-.0120
#2	.0091	.0015	-.0082	-.0047	.0035	.0248	-.0067
#3	-.0093	.0019	-.0078	-.0060	.0049	.0122	-.0105

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0006	.0155	-.0085	.0187	179.2	490.0	-.0000
SDev	.0019	.0005	.0052	.0033	.1	.4	.0000
%RSD	311.5	3.214	60.27	17.72	.0730	.0804	3.235
#1	-.0000	.0157	-.0027	.0166	179.0	489.6	-.0000
#2	-.0027	.0158	-.0108	.0171	179.3	490.3	-.0000
#3	.0009	.0149	-.0122	.0225	179.2	490.2	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l

Avge	-.0024	-.0037	.0016	.0246	246.8	187.3	.0054
SDev	.0008	.0003	.0029	.0287	.6	.3	.0337
%RSD	32.48	9.008	175.7	116.8	.2288	.1479	626.7
#1	-.0033	-.0041	.0028	.0022	246.2	187.0	-.0319
#2	-.0019	-.0034	.0038	.0570	247.2	187.5	.0144
#3	-.0019	-.0037	-.0016	.0146	247.0	187.3	.0336

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0071	-.0023	.1571	-.0009	.1578
SDev	.0005	.0012	.2304	.0017	.0012
%RSD	6.928	51.08	146.7	194.1	.7861
#1	.0077	-.0010	.2232	-.0013	.1583
#2	.0069	-.0033	.3472	.0010	.1587
#3	.0069	-.0027	-.0992	-.0024	.1563

Method: ICAP3 Sample Name: ICSAB Operator: DK
Run Time: 03/17/94 10:14:35
Comment: IG,Q7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.9840	.4696	.9293	.4771	.9431	.9425	.9429
SDev	.0472	.0016	.0083	.0018	.0167	.0038	.0062
%RSD	4.798	.3454	.8888	.3701	1.768	.4055	.6603
#1	.9488	.4714	.9377	.4785	.9238	.9466	.9498
#2	1.038	.4688	.9212	.4777	.9516	.9417	.9379
#3	.9655	.4685	.9290	.4751	.9538	.9391	.9409
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.9315	.4713	.8736	.4618	.8833	.8850	.9232
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4670	.9574	.8921	.8864	176.6	489.9	.4748
SDev	.0019	.0019	.0066	.0130	.6	1.9	.0013
%RSD	.3975	.1982	.7356	1.465	.3229	.3890	.2692
#1	.4649	.9586	.8921	.8789	177.3	492.1	.4762
#2	.4676	.9553	.8856	.8790	176.2	488.5	.4737
#3	.4685	.9585	.8987	.9014	176.4	489.2	.4745
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.4719	.9233	.8724	.8636	172.1	481.4	.4648
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.9051	.4542	.9373	.9521	508.9	231.0	1.010
SDev	.0031	.0006	.0024	.0229	.8	.6	.019
%RSD	.3370	.1355	.2518	2.408	.1654	.2497	1.846

#1	.9086	.4538	.9391	.9665	509.8	231.7	.9914
#2	.9027	.4540	.9346	.9256	508.2	230.5	1.010
#3	.9041	.4549	.9381	.9640	508.7	230.9	1.029
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.9123	.4063	.9210	.8952	490.4	226.7	.9625
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.9377	.4476	.4712	.4545	1.084
SDev	.0043	.0014	.3410	.0022	.004
%RSD	.4577	.3081	72.36	.4810	.3867
#1	.9426	.4467	Q.7688	.4561	1.082
#2	.9344	.4469	.5456	.4520	1.081
#3	.9361	.4492	Q.0992	.4554	1.089
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.9516	.4323	.5666	.4458	1.083
Range	20.00	20.00	20.00	20.00	20.00

Method: ICAP3 Sample Name: PBL, N7M3943 BLANK Operator: DK
Run Time: 03/17/94 10:18:31
Comment: N7M3943M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0041	.0005	-.0004	.0010	.0107	-.0014	-.0037
SDev	.0110	.0002	.0001	.0008	.0063	.0142	.0065
%RSD	268.1	34.64	13.61	86.72	58.60	1026.	173.1
#1	-.0009	.0004	-.0005	-.0000	.0105	.0126	-.0075
#2	.0167	.0006	-.0004	.0014	.0171	-.0157	.0037
#3	-.0035	.0004	-.0005	.0014	.0046	-.0010	-.0075

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0006	.0021	.0012	.0009	.0988	.0292	-.0000
SDev	.0010	.0009	.0026	.0101	.0135	.0051	.0000
%RSD	173.0	41.19	223.1	1156.	13.69	17.43	1.138
#1	.0000	.0013	.0021	.0083	.1135	.0314	-.0000
#2	.0018	.0030	-.0018	.0050	.0962	.0328	-.0000
#3	.0000	.0020	.0032	-.0107	.0868	.0234	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0004	-.0000	-.0023	-.0000	.0640	.0256	.0175
SDev	.0005	.0002	.0006	.0239	.0073	.0024	.0186
%RSD	115.5	29e6	24.77	255300.	11.48	9.249	106.7
#1	.0007	.0001	-.0026	-.0110	.0677	.0228	.0341
#2	.0007	.0001	-.0026	-.0165	.0688	.0267	.0210

#3	-.0001	-.0003	-.0016	.0274	.0556	.0272	-.0027

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0004	.0017	-.0909	-.0000	.0071
SDev	.0004	.0012	.1878	.0006	.0003
%RSD	100.0	70.07	206.5	6489.	4.470
#1	.0000	.0018	-.2232	-.0005	.0067
#2	.0004	.0028	-.1736	.0006	.0072
#3	.0009	.0005	.1240	-.0001	.0072

Method: ICAP3 Sample Name: LCSL, N7M3943 SPIKE Operator: DK
Run Time: 03/17/94 10:21:13
Comment: N7M3943MS,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.680	9.194	.9476	4.910	4.777	.9273	.0898
SDev	.026	.068	.0047	.028	.019	.0309	.0004
%RSD	.5528	.7381	.4975	.5653	.4047	3.333	.4729
#1	4.709	9.271	.9480	4.941	4.793	.9138	.0896
#2	4.669	9.146	.9427	4.886	4.756	.9054	.0903
#3	4.661	9.163	.9521	4.904	4.781	.9626	.0896

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.700	4.549	4.724	4.782	.0898	.0056	.9132
SDev	.014	.014	.026	.018	.0075	.0233	.0056
%RSD	.3013	.3106	.5435	.3772	8.391	416.1	.6123
#1	4.711	4.558	4.753	4.802	.0975	-.0080	.9195
#2	4.684	4.533	4.712	4.768	.0895	-.0077	.9088
#3	4.705	4.556	4.706	4.775	.0824	.0325	.9113

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0025	.9283	.9434	.8635	.0651	.0336	.0339
SDev	.0000	.0035	.0034	.0207	.0036	.0014	.0189
%RSD	.0000	.3743	.3646	2.395	5.448	4.124	55.75
#1	.0025	.9323	.9471	.8511	.0611	.0320	.0235
#2	.0025	.9258	.9428	.8520	.0677	.0344	.0558
#3	.0025	.9269	.9403	.8874	.0666	.0344	.0225

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0059	.9527	-.0248	.9308	.0133
SDev	.0003	.0052	.3224	.0040	.0014
%RSD	4.225	.5405	1300.	.4311	10.10
#1	.0056	.9579	-.3968	.9354	.0149
#2	.0060	.9476	.1736	.9278	.0124
#3	.0060	.9525	.1488	.9293	.0127

Method: ICAP3 Sample Name: MS, JM4362 MTX SPK Operator: DK
Run Time: 03/17/94 10:24:26
Comment: JM4362MS,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	5.035	9.702	.9945	5.112	4.949	1.002	.0860
SDev	.013	.037	.0067	.004	.002	.009	.0027
%RSD	.2671	.3856	.6706	.0875	.0497	.8917	3.135
#1	5.042	9.740	1.002	5.117	4.948	1.002	.0838
#2	5.019	9.665	.9901	5.110	4.947	.9925	.0852
#3	5.043	9.699	.9912	5.108	4.951	1.010	.0890

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	5.013	5.219	4.904	4.931	.1659	.3477	.9605
SDev	.038	.023	.020	.014	.0050	.0253	.0022
%RSD	.7564	.4340	.4135	.2866	3.044	7.282	.2294
#1	5.057	5.245	4.926	4.941	.1715	.3464	.9628
#2	4.993	5.203	4.898	4.937	.1644	.3231	.9584
#3	4.989	5.210	4.887	4.915	.1618	.3736	.9603

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0072	.9951	.9891	.9294	.0725	.5524	S3993.
SDev	.0007	.0009	.0027	.0176	.0092	.0007	.
%RSD	9.547	.0918	.2729	1.898	12.68	.1326	.0055
#1	.0066	.9960	.9904	.9439	.0798	.5525	S3993.
#2	.0079	.9941	.9860	.9097	.0622	.5516	S3993.
#3	.0070	.9952	.9909	.9344	.0754	.5530	S3992.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0157	.9896	.0579	.9748	.1522
SDev	.0005	.0021	.5625	.0014	.0010
%RSD	3.149	.2156	972.0	.1407	.6777
#1	.0163	.9921	-.1488	.9752	.1512
#2	.0154	.9881	.6944	.9733	.1524
#3	.0154	.9888	-.3720	.9760	.1532

Method: ICAP3 Sample Name: MSD, JM4362 MTX DUP Operator: DK
Run Time: 03/17/94 10:27:29
Comment: JM4362MR,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.909	9.454	.9643	4.977	4.832	.9933	.0859
SDev	.037	.088	.0064	.045	.054	.0147	.0008

%RSD	.7588	.9267	.6640	.9004	1.116	1.480	.8704
#1	4.952	9.554	.9717	5.028	4.893	1.008	.0860
#2	4.889	9.410	.9602	4.957	4.815	.9784	.0852
#3	4.885	9.396	.9611	4.945	4.789	.9936	.0867
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.862	5.064	4.784	4.820	.1468	.3438	.9357
SDev	.046	.049	.048	.049	.0012	.0273	.0087
%RSD	.9532	.9634	1.012	1.006	.8050	7.944	.9345
#1	4.916	5.120	4.837	4.876	.1481	.3319	.9457
#2	4.836	5.038	4.742	4.787	.1461	.3244	.9322
#3	4.836	5.034	4.774	4.798	.1461	.3750	.9293
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0066	.9663	.9660	.8856	.0832	.5337	S3994.
SDev	.0009	.0107	.0098	.0283	.0181	.0039	.
%RSD	13.64	1.111	1.019	3.194	21.73	.7260	.0008
#1	.0057	.9786	.9773	.8783	.0677	.5381	S3994.
#2	.0066	.9614	.9598	.8617	.0787	.5314	S3994.
#3	.0075	.9589	.9608	.9168	.1030	.5314	S3994.
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	.0150	.9641	-.1653	.9520	.1397		
SDev	.0007	.0088	.1794	.0063	.0019		
%RSD	4.949	.9166	108.5	.6667	1.374		
#1	.0154	.9743	-.0496	.9593	.1417		
#2	.0154	.9590	-.3720	.9483	.1395		
#3	.0141	.9590	-.0744	.9483	.1379		

Method: ICAP3 Sample Name: XX, JM4362 CLJCSS42 Operator: DK
Run Time: 03/17/94 10:30:58
Comment: JM4362M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0082	.3001	.0012	.0035	.0249	.0086	-.0030
SDev	.0044	.0013	.0012	.0026	.0206	.0065	.0086
%RSD	53.96	.4224	104.8	73.48	82.94	75.81	288.6
#1	.0123	.3002	.0005	.0021	.0101	.0011	-.0060
#2	.0035	.3012	.0005	.0019	.0161	.0121	.0067
#3	.0088	.2987	.0026	.0064	.0484	.0126	-.0097
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0092	.3965	.0045	-.0030	.1443	.3644	-.0000
SDev	.0057	.0022	.0038	.0121	.0039	.0398	.0001
%RSD	62.21	.5579	84.90	406.2	2.682	10.92	5215.

#1	.0116	.3957	.0039	.0054	.1470	.3611	-.0001
#2	.0134	.3990	.0086	.0025	.1461	.4058	-.0001
#3	.0027	.3949	.0010	-.0168	.1399	.3264	.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0051	.0292	.0007	-.0056	.0809	.5667	S3993.
SDev	.0009	.0005	.0006	.0149	.0260	.0063	.
%RSD	18.37	1.653	84.95	267.4	32.15	1.104	.0029
#1	.0048	.0292	.0003	-.0097	.1030	.5674	S3993.
#2	.0061	.0296	.0003	.0109	.0876	.5727	S3993.
#3	.0043	.0287	.0013	-.0180	.0522	.5602	S3993.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0103	.0010	.6035	.0018	.1408
SDev	.0009	.0007	.0871	.0011	.0013
%RSD	8.333	70.48	14.43	65.01	.9262
#1	.0103	.0002	.5208	.0018	.1406
#2	.0094	.0016	.5952	.0029	.1421
#3	.0111	.0012	.6944	.0006	.1395

Method: ICAP3 Sample Name: XX, CLJCSS42 DUP Operator: DK
Run Time: 03/17/94 10:36:14
Comment: JM4362MM,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0085	.2978	.0011	.0033	.0161	.0195	-.0017
SDev	.0119	.0006	.0003	.0026	.0078	.0196	.0016
%RSD	140.5	.2046	29.82	77.35	48.47	100.7	89.52
#1	-.0149	.2984	.0008	.0055	.0239	.0242	-.0030
#2	.0053	.2978	.0014	.0005	.0083	-.0021	-.0022
#3	-.0158	.2971	.0011	.0040	.0160	.0363	.0000

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0089	.3904	.0057	.0067	.1315	.3769	-.0001
SDev	.0015	.0017	.0053	.0079	.0013	.0212	.0000
%RSD	17.31	.4370	93.62	118.0	1.013	5.631	1.978
#1	.0080	.3903	-.0004	.0002	.1315	.3711	-.0000
#2	.0080	.3921	.0091	.0044	.1301	.3591	-.0001
#3	.0107	.3887	.0084	.0154	.1328	.4004	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0054	.0286	-.0008	.0086	.0784	.5484	S3993.
SDev	.0003	.0003	.0027	.0255	.0094	.0026	.
%RSD	4.811	1.175	332.7	295.2	11.98	.4814	.0040

#1	.0057	.0283	-.0026	-.0179	.0688	.5482	S3993.
#2	.0052	.0287	-.0021	.0110	.0787	.5458	S3993.
#3	.0052	.0289	.0023	.0328	.0876	.5511	S3993.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0110	-.0001	.6696	.0016	.1944
SDev	.0005	.0011	.1626	.0012	.0002
%RSD	4.499	1456.	24.29	71.16	.1074
#1	.0107	.0005	.6448	.0006	.1946
#2	.0107	-.0014	.8433	.0014	.1942
#3	.0116	.0006	.5208	.0029	.1945

Method: ICAP3 Sample Name: XX, JM4353 CLJCSS33 Operator: DK
Run Time: 03/17/94 10:39:46
Comment: JM4353M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0064	.1680	-.0001	.0016	.0040	-.0024	-.0060
SDev	.0057	.0005	.0002	.0005	.0141	.0228	.0045
%RSD	87.68	.3079	168.7	33.28	348.7	931.9	75.07
#1	-.0106	.1681	-.0002	.0019	-.0093	-.0184	-.0060
#2	-.0088	.1674	.0001	.0010	.0188	.0236	-.0015
#3	.0000	.1684	-.0001	.0018	.0026	-.0126	-.0105

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0065	.1039	.0014	.0095	.0341	.6106	-.0000
SDev	.0019	.0006	.0024	.0043	.0005	.0249	.0000
%RSD	28.38	.6092	175.4	45.60	1.504	4.078	4.449
#1	.0045	.1035	.0036	.0142	.0344	.5915	-.0000
#2	.0071	.1035	.0018	.0055	.0335	.6015	-.0000
#3	.0080	.1046	-.0012	.0090	.0344	.6387	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0021	.0020	-.0008	-.0014	.0695	.1991	S4000.
SDev	.0004	.0001	.0012	.0192	.0204	.0025	.
%RSD	21.43	5.579	151.0	1368.	29.37	1.236	.0049
#1	.0016	.0020	.0003	-.0233	.0589	.1964	S3999.
#2	.0021	.0019	-.0007	.0068	.0567	.1997	S4000.
#3	.0025	.0020	-.0021	.0123	.0931	.2012	S4000.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0040	-.0002	-.0744	-.0005	.0965
SDev	.0005	.0010	.1549	.0023	.0016
%RSD	12.37	495.4	208.2	451.9	1.707
#1	.0034	-.0010	-.1240	.0006	.0983

#2	.0043	-.0005	-.1984	.0010	.0964
#3	.0043	.0009	.0992	-.0032	.0950

Method: ICAP3 Sample Name: XX, JM4354 CLJCSS34 Operator: DK
Run Time: 03/17/94 10:42:45
Comment: JM4354M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0041	.2491	-.0006	.0004	-.0001	.0079	-.0022
SDev	.0172	.0032	.0000	.0010	.0084	.0186	.0078
%RSD	419.7	1.288	4.447	280.5	5765.	235.4	347.0
#1	.0202	.2502	-.0006	-.0006	.0024	-.0131	-.0067
#2	-.0141	.2517	-.0006	.0014	.0066	.0147	-.0067
#3	.0062	.2455	-.0006	.0003	-.0095	.0221	.0067

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0068	.1345	.0016	.0036	.0394	.7779	-.0002
SDev	.0010	.0020	.0027	.0062	.0010	.0096	.0002
%RSD	15.06	1.484	171.6	173.1	2.604	1.230	67.64
#1	.0080	.1337	-.0003	.0053	.0388	.7841	-.0003
#2	.0062	.1368	.0047	.0086	.0406	.7827	-.0003
#3	.0062	.1330	.0004	-.0033	.0388	.7669	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0018	.0024	-.0024	-.0045	.0747	.3576	S3998.
SDev	.0003	.0001	.0010	.0250	.0147	.0037	.
%RSD	14.43	4.685	41.58	551.3	19.68	1.024	.0049
#1	.0016	.0022	-.0036	.0001	.0578	.3584	S3998.
#2	.0016	.0024	-.0021	-.0315	.0843	.3608	S3997.
#3	.0021	.0024	-.0016	.0179	.0821	.3536	S3998.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0060	-.0003	-.1240	.0016	.1055
SDev	.0000	.0008	.1736	.0032	.0015
%RSD	.0000	278.3	140.0	192.6	1.474
#1	.0060	-.0001	-.0496	.0006	.1059
#2	.0060	.0004	-.0000	-.0009	.1067
#3	.0060	-.0012	-.3224	.0052	.1037

Method: ICAP3 Sample Name: XX, JM4355 CLJCLL35 Operator: DK
Run Time: 03/17/94 10:45:57
Comment: JM4355M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l

Avge	-.0097	.3248	.0023	.0034	.0661	.0132	-.0000
SDev	.0167	.0011	.0002	.0003	.0014	.0079	.0054
%RSD	172.7	.3396	9.477	9.602	2.184	60.05	525400.
#1	-.0141	.3259	.0021	.0034	.0644	.0143	.0015
#2	-.0237	.3248	.0024	.0030	.0670	.0206	-.0060
#3	.0088	.3237	.0025	.0037	.0669	.0048	.0045
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0140	.8078	.0016	.0059	.4042	2.814	-.0001
SDev	.0026	.0032	.0030	.0033	.0088	.046	.0000
%RSD	18.40	.3956	185.2	56.16	2.170	1.621	2.340
#1	.0125	.8088	.0039	.0021	.4142	2.864	-.0001
#2	.0125	.8104	.0029	.0077	.4000	2.774	-.0001
#3	.0170	.8042	-.0018	.0080	.3982	2.806	-.0001
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0352	.0700	-.0018	.0236	.1417	.6639	S3989.
SDev	.0031	.0002	.0023	.0170	.0174	.0020	.
%RSD	8.898	.3442	130.9	72.06	12.25	.3006	.0087
#1	.0388	.0700	-.0036	.0328	.1384	.6623	S3989.
#2	.0330	.0698	-.0026	.0040	.1262	.6632	S3989.
#3	.0339	.0703	.0008	.0341	.1604	.6661	S3989.
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	.0151	.0012	.5208	.0027	.1411		
SDev	.0005	.0004	.4553	.0013	.0012		
%RSD	3.268	29.59	87.42	48.88	.8736		
#1	.0154	.0008	.1984	.0029	.1412		
#2	.0154	.0015	1.042	.0013	.1423		
#3	.0146	.0014	.3224	.0040	.1398		

Method: ICAP3 Sample Name: CCV,0809 Operator: DK
Run Time: 03/17/94 10:49:52
Comment: IB,N7M3943,N7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.302	4.680	1.323	.5042	2.470	2.409	.5975
SDev	.025	.063	.017	.0039	.024	.037	.0075
%RSD	1.072	1.356	1.278	.7769	.9820	1.520	1.262
#1	2.328	4.728	1.332	.5072	2.497	2.436	.6051
#2	2.278	4.608	1.304	.4998	2.449	2.367	.5900
#3	2.300	4.704	1.334	.5057	2.465	2.423	.5976
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.234	4.740	1.261	.4841	2.301	2.284	.5789
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.6199	1.269	1.298	2.274	2.375	4.791	.1224
SDev	.0042	.015	.012	.019	.028	.021	.0017
%RSD	.6823	1.219	.9471	.8336	1.174	.4281	1.380
#1	.6214	1.284	1.312	2.293	2.399	4.808	.1236
#2	.6151	1.253	1.288	2.255	2.344	4.768	.1205
#3	.6231	1.269	1.294	2.273	2.380	4.797	.1231
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.6256	1.237	1.275	2.171	2.334	4.749	.1200
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.333	1.267	.1148	2.367	12.25	12.24	12.26
SDev	.029	.016	.0054	.015	.13	.15	.20
%RSD	1.224	1.248	4.709	.6454	1.064	1.219	1.637
#1	2.356	1.280	.1154	2.354	12.37	12.37	12.47
#2	2.301	1.249	.1091	2.383	12.11	12.08	12.07
#3	2.343	1.272	.1198	2.363	12.27	12.27	12.24
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.320	1.226	.1112	2.281	11.73	11.93	11.97
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.265	1.290	11.74	2.409	1.167
SDev	.017	.014	.16	.029	.016
%RSD	1.312	1.097	1.358	1.205	1.349
#1	1.278	1.303	11.86	2.432	1.176
#2	1.246	1.275	11.81	2.376	1.148
#3	1.272	1.292	11.56	2.418	1.176
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.261	1.238	11.52	2.370	1.125
Range	10.50	10.50	10.50	10.50	10.50

Method: ICAP3 Sample Name: CCB Operator: DK
Run Time: 03/17/94 10:53:31
Comment: ID,N7M3943,N7M3943
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0308	.0008	-.0006	-.0009	-.0030	.0079	-.0012
SDev	.0207	.0004	.0008	.0025	.0135	.0260	.0030
%RSD	67.23	52.94	142.9	291.3	447.1	329.6	244.0
#1	.0519	.0011	-.0009	-.0029	-.0128	-.0157	.0015
#2	.0299	.0009	.0004	.0019	.0124	.0357	-.0007

#3	.0105	.0003	-.0012	-.0016	-.0086	.0037	-.0045

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0057	.0039	.0009	.0073	.0527	.0361	-.0001
SDev	.0021	.0016	.0020	.0118	.0022	.0275	.0000
%RSD	36.48	42.36	222.2	161.3	4.156	76.16	4.164
#1	.0080	.0058	.0029	-.0016	.0513	.0256	-.0001
#2	.0045	.0032	-.0011	.0207	.0517	.0154	-.0001
#3	.0045	.0027	.0009	.0028	.0553	.0672	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0010	.0009	.0007	.0005	.0703	.0128	.1933
SDev	.0005	.0004	.0030	.0158	.0063	.0024	.0352
%RSD	49.49	42.86	454.5	3295.	8.931	18.75	18.19
#1	.0007	.0013	-.0026	-.0177	.0633	.0152	.1616
#2	.0016	.0005	.0013	.0082	.0754	.0104	.1873
#3	.0007	.0009	.0033	.0110	.0721	.0128	.2311

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0004	.0013	-.6944	.0025	.0064
SDev	.0000	.0007	.4060	.0021	.0014
%RSD	.0000	53.41	58.47	83.79	22.52
#1	.0004	.0011	-1.042	.0048	.0081
#2	.0004	.0020	-.2480	.0022	.0059
#3	.0004	.0007	-.7937	.0006	.0053

Method: ICAP3 Sample Name: XX, JM4356 CLJCLL36 Operator: DK
Run Time: 03/17/94 10:56:55
Comment: JM4356M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0123	.3004	.0014	.0035	.0156	.0070	-.0060
SDev	.0150	.0008	.0007	.0013	.0149	.0199	.0065
%RSD	122.0	.2682	47.10	36.41	95.43	282.3	109.1
#1	.0018	.2999	.0007	.0022	.0152	-.0047	-.0135
#2	-.0106	.3013	.0020	.0035	.0308	.0300	-.0015
#3	-.0281	.3000	.0015	.0048	.0009	-.0042	-.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0086	.3569	.0031	.0043	.1693	1.070	-.0000
SDev	.0037	.0001	.0014	.0106	.0024	.018	.0000
%RSD	43.07	.0139	44.19	250.1	1.385	1.678	5.246
#1	.0045	.3569	.0020	-.0080	.1675	1.064	-.0000
#2	.0116	.3570	.0028	.0096	.1720	1.090	-.0000
#3	.0098	.3570	.0047	.0111	.1684	1.056	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0027	.0213	-.0003	-.0106	.0545	.2908	S3995.
SDev	.0016	.0007	.0032	.0145	.0160	.0075	.
%RSD	58.53	3.156	992.7	136.9	29.44	2.591	.0068
#1	.0012	.0206	-.0026	-.0261	.0390	.2827	S3995.
#2	.0043	.0220	.0033	-.0084	.0710	.2975	S3994.
#3	.0025	.0214	-.0016	.0027	.0534	.2922	S3995.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0109	.0004	.0579	-.0001	.1379
SDev	.0005	.0018	.1453	.0027	.0016
%RSD	4.558	430.9	251.1	1875.	1.149
#1	.0111	-.0016	-.0000	-.0032	.1368
#2	.0111	.0016	.2232	.0006	.1397
#3	.0103	.0012	-.0496	.0021	.1371

Method: ICAP3 Sample Name: XX, JM4357 CLJCSS37 Operator: DK
Run Time: 03/17/94 11:03:10
Comment: JM4357M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0138	.2582	-.0001	.0028	.0077	-.0009	-.0032
SDev	.0148	.0018	.0006	.0046	.0112	.0105	.0068
%RSD	107.6	.6796	744.8	160.6	145.0	1208.	209.8
#1	.0035	.2602	-.0007	-.0005	.0010	-.0005	-.0105
#2	.0070	.2574	.0003	.0010	.0016	-.0115	-.0022
#3	.0307	.2569	.0002	.0080	.0207	.0095	.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0095	.1363	.0012	.0082	.0299	.5338	-.0000
SDev	.0031	.0033	.0025	.0046	.0024	.0229	.0000
%RSD	32.93	2.399	207.4	55.65	7.859	4.290	7.006
#1	.0062	.1400	.0000	.0079	.0281	.5095	-.0000
#2	.0098	.1338	-.0005	.0038	.0290	.5369	-.0001
#3	.0125	.1350	.0041	.0129	.0326	.5550	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0034	.0033	.0007	-.0060	.0997	.5482	S3995.
SDev	.0009	.0003	.0027	.0198	.0261	.0019	.
%RSD	26.09	8.738	414.3	329.9	26.17	.3498	.0062
#1	.0025	.0033	-.0021	-.0261	.0721	.5463	S3995.
#2	.0034	.0030	.0033	-.0055	.1030	.5482	S3995.
#3	.0043	.0036	.0008	.0136	.1240	.5501	S3995.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0074	.0009	.5622	.0004	.1037
SDev	.0005	.0015	.8539	.0037	.0009
%RSD	6.662	172.7	151.9	998.1	.8576
#1	.0077	-.0006	-.3968	-.0039	.1037
#2	.0077	.0008	.8433	.0025	.1046
#3	.0069	.0023	1.240	.0025	.1028

Method: ICAP3 Sample Name: XX, JM4358 CLJCSS38 Operator: DK
Run Time: 03/17/94 11:07:05
Comment: JM4358M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0036	.4302	.0040	.0066	.1326	.0190	-.0015
SDev	.0183	.0025	.0005	.0004	.0059	.0066	.0020
%RSD	514.5	.5736	11.47	6.135	4.435	34.56	131.2
#1	.0141	.4277	.0044	.0070	.1365	.0116	-.0023
#2	-.0175	.4301	.0041	.0062	.1258	.0211	.0007
#3	.0141	.4326	.0035	.0066	.1354	.0242	-.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0241	1.934	.0199	.0095	.3634	2.519	-.0001
SDev	.0024	.015	.0047	.0103	.0058	.024	.0003
%RSD	9.794	.7582	23.38	108.2	1.607	.9547	573.9
#1	.0250	1.920	.0222	.0125	.3687	2.545	.0002
#2	.0214	1.932	.0146	.0180	.3643	2.517	-.0001
#3	.0259	1.950	.0230	-.0020	.3572	2.497	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0321	.1870	.0002	-.0034	.1424	1.112	S3987.
SDev	.0019	.0009	.0010	.0234	.0071	.005	.
%RSD	6.082	.4971	546.5	691.9	4.984	.4800	.0083
#1	.0344	.1862	.0013	-.0016	.1395	1.107	S3987.
#2	.0312	.1868	-.0001	.0190	.1505	1.111	S3988.
#3	.0308	.1881	-.0006	-.0276	.1372	1.118	S3987.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0206	.0023	.8681	.0024	.1538
SDev	.0000	.0005	.4303	.0004	.0009
%RSD	.0000	22.16	49.57	18.70	.5644
#1	.0206	.0017	1.364	.0021	.1528
#2	.0206	.0025	.5952	.0029	.1543
#3	.0206	.0026	.6448	.0021	.1543

Method: ICAP3 Sample Name: XX, JM4359 CLJCSS39 Operator: DK
Run Time: 03/17/94 11:11:41
Comment: JM4359M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0067	.2476	.0013	.0033	.0172	-.0068	-.0052
SDev	.0109	.0013	.0008	.0014	.0104	.0194	.0064
%RSD	160.8	.5122	60.58	41.73	60.44	285.8	122.2
#1	-.0158	.2487	.0009	.0048	.0260	-.0241	-.0045
#2	-.0097	.2462	.0008	.0031	.0200	.0142	.0008
#3	.0053	.2479	.0021	.0021	.0057	-.0105	-.0120

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0062	.3189	.0101	-.0058	.1497	1.592	-.0001
SDev	.0064	.0050	.0028	.0201	.0041	.058	.0002
%RSD	103.0	1.557	28.05	344.4	2.757	3.656	117.9
#1	.0080	.3245	.0106	.0121	.1516	1.635	-.0000
#2	.0116	.3151	.0127	-.0020	.1525	1.616	-.0003
#3	-.0009	.3170	.0071	-.0276	.1450	1.526	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0042	.0102	-.0006	-.0078	.0684	1.033	S3995.
SDev	.0022	.0004	.0010	.0130	.0401	.005	.
%RSD	52.85	4.218	152.5	165.5	58.65	.5018	.0048
#1	.0052	.0107	-.0016	-.0179	.0964	1.039	S3995.
#2	.0057	.0103	.0003	.0068	.0865	1.032	S3996.
#3	.0016	.0098	-.0006	-.0124	.0224	1.029	S3995.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0166	.0017	.4299	-.0007	.1158
SDev	.0005	.0022	.3031	.0041	.0012
%RSD	2.986	134.4	70.50	623.4	1.029
#1	.0163	.0037	.6944	.0002	.1166
#2	.0163	.0020	.4960	.0029	.1163
#3	.0171	-.0007	.0992	-.0051	.1144

Method: ICAP3 Sample Name: XX, JM4360 CLJCSS40 Operator: DK
Run Time: 03/17/94 11:14:29
Comment: JM4360M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0000	.2850	-.0003	-.0001	.0062	.0070	.0005
SDev	.0092	.0028	.0001	.0021	.0230	.0064	.0038
%RSD	238500.	.9700	43.26	3749.	370.9	91.58	750.2
#1	.0106	.2839	-.0002	-.0024	-.0145	.0000	-.0030

#2	-.0053	.2830	-.0004	.0014	.0309	.0126	.0000
#3	-.0053	.2882	-.0004	.0008	.0022	.0084	.0045

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0098	.1730	.0133	.0032	.0264	1.469	-.0001
SDev	.0018	.0009	.0029	.0070	.0018	.038	.0002
%RSD	18.17	.5081	21.87	219.1	6.744	2.614	114.6
#1	.0098	.1735	.0100	-.0039	.0246	1.425	-.0000
#2	.0080	.1720	.0153	.0034	.0264	1.488	-.0001
#3	.0116	.1734	.0146	.0101	.0281	1.494	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0018	.0019	-.0015	-.0127	.1030	.9708	S3997.
SDev	.0013	.0001	.0033	.0236	.0152	.0080	.
%RSD	72.17	4.904	222.4	185.0	14.73	.8296	.0025
#1	.0003	.0020	-.0036	-.0397	.0865	.9638	S3997.
#2	.0025	.0019	-.0031	-.0027	.1063	.9691	S3997.
#3	.0025	.0019	.0023	.0041	.1163	.9796	S3997.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0094	-.0005	.2645	.0023	.1528
SDev	.0000	.0011	.2291	.0022	.0013
%RSD	.0000	213.6	86.60	94.74	.8626
#1	.0094	-.0011	-.0000	-.0001	.1538
#2	.0094	.0008	.3968	.0029	.1533
#3	.0094	-.0013	.3968	.0041	.1513

Method: ICAP3 Sample Name: XX, JM4361 CLJCSS41 Operator: DK
Run Time: 03/17/94 11:17:26
Comment: JM4361M,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0146	.2682	.0029	.0047	.0845	.0221	-.0025
SDev	.0227	.0012	.0007	.0010	.0038	.0199	.0023
%RSD	154.8	.4327	22.82	21.04	4.515	90.37	91.77
#1	.0211	.2670	.0023	.0035	.0818	.0373	.0000
#2	-.0106	.2683	.0029	.0051	.0889	.0294	-.0045
#3	.0334	.2693	.0036	.0053	.0829	-.0005	-.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0116	3.231	.0059	.0083	.1108	.9493	-.0002
SDev	.0000	.013	.0028	.0044	.0005	.0079	.0002
%RSD	.0066	.3981	47.55	52.39	.4610	.8300	68.16
#1	.0116	3.219	.0027	.0130	.1105	.9474	-.0001
#2	.0116	3.230	.0073	.0076	.1114	.9426	-.0003

#3	.0116	3.244	.0078	.0044	.1105	.9580	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0049	.0399	-.0000	.0109	.0927	.4659	S3991.
SDev	.0003	.0003	.0025	.0112	.0045	.0023	.
%RSD	5.249	.7708	952900.	102.6	4.811	.4862	.0033
#1	.0048	.0396	-.0026	.0013	.0887	.4667	S3991.
#2	.0048	.0401	.0023	.0232	.0920	.4634	S3991.
#3	.0052	.0400	.0003	.0081	.0975	.4677	S3991.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0094	.0014	-.0579	.0038	.1379
SDev	.0000	.0016	.4040	.0002	.0011
%RSD	.0000	112.3	698.1	5.847	.8075
#1	.0094	.0027	-.5208	.0040	.1374
#2	.0094	-.0004	.1240	.0037	.1391
#3	.0094	.0019	.2232	.0037	.1371

Method: ICAP3 Sample Name: LD, CLJCSS41 @5X Operator: DK
Run Time: 03/17/94 11:21:17
Comment: JM4361ML,N7M3943,L,A5,50,50,5
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0082	.0502	.0004	.0028	.0352	.0193	-.0057
SDev	.0200	.0006	.0016	.0023	.0245	.0074	.0068
%RSD	243.5	1.152	383.5	82.59	69.76	38.19	118.4
#1	-.0246	.0504	.0003	.0008	.0264	.0121	-.0067
#2	-.0141	.0507	-.0012	.0023	.0162	.0268	.0015
#3	.0140	.0496	.0021	.0053	.0629	.0189	-.0120

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0039	.6117	.0005	.0129	.0343	.2353	.0000
SDev	.0037	.0114	.0050	.0187	.0036	.0386	.0002
%RSD	96.11	1.869	1098.	145.1	10.36	16.41	344.9
#1	.0027	.6211	-.0051	.0207	.0343	.2391	-.0000
#2	.0080	.6151	.0018	.0265	.0379	.2719	-.0001
#3	.0009	.5990	.0046	-.0085	.0308	.1950	.0002

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0013	.0077	-.0007	-.0042	.0637	.1208	283.5
SDev	.0014	.0003	.0026	.0360	.0417	.0039	5.4
%RSD	101.8	3.297	395.5	862.8	65.56	3.208	1.918
#1	.0016	.0079	-.0026	-.0096	.0489	.1202	287.8
#2	.0025	.0078	-.0016	.0343	.1108	.1249	285.4
#3	-.0001	.0074	.0023	-.0372	.0313	.1173	277.4

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0049	.0008	.1984	-.0010	.0697
SDev	.0005	.0014	.5365	.0031	.0080
%RSD	10.19	187.4	270.4	299.3	11.42
#1	.0051	-.0005	.0496	-.0013	.0641
#2	.0043	.0024	-.2480	.0022	.0663
#3	.0051	.0004	.7937	-.0039	.0789

Method: ICAP3 Sample Name: AS, CLJCSS41 POSTSPK Operator: DK
Run Time: 03/17/94 11:24:37
Comment: JM4361MP,N7M3943,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.759	9.097	.9389	4.844	4.773	.9579	.0808
SDev	.077	.154	.0203	.080	.085	.0114	.0146
%RSD	1.628	1.692	2.162	1.646	1.774	1.194	18.04
#1	4.840	9.272	.9614	4.933	4.870	.9658	.0874
#2	4.686	8.984	.9219	4.780	4.714	.9448	.0910
#3	4.751	9.036	.9334	4.819	4.735	.9632	.0641

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.684	7.428	4.653	4.651	.1297	.8554	.9107
SDev	.073	.088	.068	.079	.0081	.0484	.0162
%RSD	1.551	1.179	1.465	1.691	6.270	5.660	1.780
#1	4.768	7.524	4.731	4.741	.1217	.8275	.9291
#2	4.634	7.353	4.608	4.597	.1295	.9113	.8985
#3	4.652	7.407	4.619	4.615	.1379	.8275	.9045

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0066	.9421	.9283	.8825	.0913	.4589	S3994.
SDev	.0012	.0162	.0150	.0202	.0346	.0022	.
%RSD	18.04	1.720	1.615	2.288	37.91	.4710	.0038
#1	.0061	.9607	.9456	.8993	.0622	.4567	S3994.
#2	.0079	.9316	.9194	.8883	.1295	.4610	S3994.
#3	.0057	.9338	.9198	.8601	.0821	.4590	S3994.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0154	.9360	.2728	.9239	.2671
SDev	.0000	.0158	.3446	.0169	.0087
%RSD	.0000	1.690	126.3	1.827	3.269
#1	.0154	.9541	.4464	.9434	.2606
#2	.0154	.9250	-.1240	.9141	.2636
#3	.0154	.9289	.4960	.9141	.2770

Method: ICAP3 Sample Name: TCLP BLANK N7M3943 Operator: DK
Run Time: 03/17/94 11:32:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0012	.1257	-.0001	.0023	.0028	.0075	-.0045
SDev	.0041	.0010	.0003	.0008	.0065	.0268	.0015
%RSD	345.9	.7709	288.3	37.77	236.4	356.1	33.36
#1	-.0035	.1256	.0001	.0019	-.0038	.0189	-.0060
#2	.0035	.1248	-.0005	.0032	.0093	-.0231	-.0030
#3	-.0035	.1267	.0001	.0016	.0027	.0268	-.0045

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0062	.0620	-.0028	-.0051	.0191	.0333	-.0002
SDev	.0018	.0004	.0005	.0061	.0016	.0168	.0002
%RSD	28.59	.6868	19.20	119.5	8.163	50.36	68.96
#1	.0045	.0623	-.0023	-.0118	.0175	.0139	-.0003
#2	.0080	.0615	-.0033	-.0039	.0206	.0434	-.0000
#3	.0062	.0622	-.0029	.0003	.0193	.0426	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0000	.0004	-.0013	.0004	.0614	.2199	S4004.
SDev	.0003	.0003	.0016	.0070	.0045	.0024	.
%RSD	205e6	61.11	120.5	1717.	7.260	1.090	.0030
#1	-.0001	.0003	-.0002	-.0014	.0567	.2175	S4004.
#2	.0003	.0007	-.0031	-.0055	.0655	.2199	S4004.
#3	-.0001	.0002	-.0007	.0082	.0622	.2223	S4004.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0034	.0008	.0992	-.0010	.0589
SDev	.0000	.0013	.1488	.0015	.0010
%RSD	.0000	154.4	150.0	151.2	1.673
#1	.0034	.0022	.0992	-.0024	.0586
#2	.0034	.0005	.2480	.0006	.0581
#3	.0034	-.0002	-.0496	-.0013	.0600

Method: ICAP3 Sample Name: CCV,0809 Operator: DK
Run Time: 03/17/94 11:36:31
Comment: IB,N7M3943,Q1M3962
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.317	4.658	1.307	.5037	2.468	2.407	.6000
SDev	.038	.033	.011	.0027	.024	.017	.0009

#1	2.275	4.623	1.295	.5011	2.441	2.389	.5990
#2	2.324	4.663	1.317	.5064	2.476	2.421	.6005
#3	2.351	4.689	1.310	.5035	2.486	2.413	.6005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.234	4.740	1.261	.4841	2.301	2.284	.5789
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.6154	1.267	1.297	2.289	2.359	4.782	.1223
SDev	.0054	.009	.013	.046	.019	.023	.0009
%RSD	.8752	.7383	1.028	2.003	.8019	.4866	.7185
#1	.6097	1.258	1.284	2.238	2.339	4.756	.1213
#2	.6160	1.266	1.311	2.303	2.361	4.801	.1225
#3	.6205	1.277	1.296	2.327	2.377	4.790	.1231
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.6256	1.237	1.275	2.171	2.334	4.749	.1200
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.323	1.287	.1128	2.352	12.28	12.27	12.19
SDev	.015	.003	.0016	.015	.09	.09	.08
%RSD	.6531	.2231	1.388	.6474	.7578	.7217	.6173
#1	2.307	1.283	.1110	2.353	12.17	12.17	12.11
#2	2.325	1.287	.1140	2.336	12.31	12.29	12.19
#3	2.337	1.289	.1135	2.366	12.35	12.35	12.26
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.320	1.226	.1112	2.281	11.73	11.93	11.97
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	1.260	1.289	11.59	2.405	1.164		
SDev	.009	.008	.31	.017	.012		
%RSD	.7026	.6156	2.675	.7263	1.061		
#1	1.251	1.280	11.90	2.386	1.151		
#2	1.261	1.291	11.58	2.408	1.166		
#3	1.268	1.295	11.28	2.421	1.176		
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass		
Value	1.261	1.238	11.52	2.370	1.125		
Range	10.50	10.50	10.50	10.50	10.50		

Method: ICAP3 Sample Name: CCB Operator: DK
Run Time: 03/17/94 11:40:15
Comment: ID,N7M3943,Q1M3962
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0012	.0005	-.0006	.0012	.0058	-.0016	-.0045
SDev	.0189	.0003	.0004	.0012	.0034	.0304	.0015
%RSD	1620.	64.05	59.74	98.83	58.24	1939.	33.34
#1	.0202	.0003	-.0003	.0018	.0094	-.0352	-.0060
#2	-.0079	.0003	-.0010	.0019	.0027	.0242	-.0045
#3	-.0158	.0009	-.0005	-.0002	.0052	.0063	-.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0021	.0028	-.0019	-.0008	.0295	.0343	-.0000
SDev	.0010	.0007	.0027	.0080	.0004	.0178	.0000
%RSD	49.51	24.06	140.9	945.6	1.515	52.01	2.937
#1	.0009	.0036	-.0044	.0028	.0295	.0293	-.0000
#2	.0027	.0025	-.0024	-.0101	.0290	.0541	-.0000
#3	.0027	.0024	.0010	.0047	.0299	.0195	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0007	.0006	-.0028	.0018	.0427	.0097	.1589
SDev	.0009	.0005	.0020	.0192	.0061	.0015	.0048
%RSD	120.0	83.86	71.26	1050.	14.24	15.02	3.014
#1	.0007	.0011	-.0007	.0205	.0467	.0113	.1540
#2	.0016	.0005	-.0031	-.0178	.0456	.0094	.1591
#3	-.0001	.0001	-.0046	.0028	.0357	.0085	.1636

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0003	.0009	-.2811	-.0000	.0055
SDev	.0003	.0005	.2990	.0014	.0006
%RSD	86.60	51.91	106.4	61620.	10.32
#1	.0000	.0013	-.5952	-.0017	.0051
#2	.0004	.0004	-.2480	.0010	.0053
#3	.0004	.0010	-.0000	.0006	.0062

Method: ICAP3 Sample Name: PBW, Q1M3962 BLANK Operator: DK
Run Time: 03/17/94 11:44:01
Comment: Q1M3942M,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0126	.0003	.0002	.0006	.0179	.0210	-.0022
SDev	.0059	.0002	.0010	.0006	.0054	.0199	.0013
%RSD	46.46	63.63	415.8	110.4	30.10	94.95	57.86
#1	.0097	.0004	.0004	.0010	.0231	.0137	-.0007
#2	.0193	.0001	-.0008	-.0002	.0183	.0058	-.0030
#3	.0088	.0003	.0011	.0010	.0123	.0436	-.0030

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130

Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0018	.0002	-.0032	.0013	.0271	.0154	-.0000
SDev	.0015	.0005	.0010	.0058	.0003	.0274	.0000
%RSD	86.56	240.1	32.31	449.6	.9509	177.6	.7134
#1	.0036	.0007	-.0037	.0080	.0268	.0347	-.0001
#2	.0009	-.0002	-.0020	-.0019	.0273	-.0159	-.0000
#3	.0009	.0001	-.0038	-.0022	.0273	.0274	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0004	.0004	-.0015	-.0096	.0397	.0083	.1031
SDev	.0005	.0001	.0017	.0099	.0073	.0015	.0116
%RSD	115.5	24.74	117.0	102.8	18.50	18.55	11.24
#1	-.0001	.0005	.0003	.0013	.0379	.0094	.0915
#2	-.0001	.0005	-.0016	-.0178	.0335	.0066	.1031
#3	-.0010	.0003	-.0031	-.0123	.0478	.0089	.1147

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0004	.0011	-.0496	.0009	.0051
SDev	.0000	.0009	.1626	.0004	.0014
%RSD	.0000	85.86	327.9	49.46	28.14
#1	.0004	.0021	-.1984	.0014	.0037
#2	.0004	.0002	.1240	.0006	.0066
#3	.0004	.0009	-.0744	.0006	.0051

Method: ICAP3 Sample Name: LCSW, Q1M3942 SPIKE Operator: DK
Run Time: 03/17/94 11:49:02
Comment: Q1M3942MS,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.908	1.882	.0482	.2040	.4875	1.930	.0464
SDev	.013	.026	.0004	.0034	.0164	.024	.0026
%RSD	.6746	1.385	.9230	1.688	3.369	1.247	5.594
#1	1.906	1.853	.0478	.2000	.4766	1.902	.0449
#2	1.922	1.889	.0481	.2058	.4795	1.945	.0494
#3	1.896	1.904	.0487	.2061	.5064	1.941	.0449

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.2428	.4719	.4763	1.926	9.419	9.539	.0477
SDev	.0024	.0069	.0040	.024	.110	.101	.0006
%RSD	.9728	1.470	.8484	1.223	1.166	1.061	1.269
#1	.2401	.4648	.4740	1.903	9.295	9.422	.0470
#2	.2437	.4724	.4810	1.924	9.457	9.591	.0479
#3	.2446	.4786	.4739	1.950	9.504	9.603	.0481

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l

Avge	.4686	.4893	.4877	.4382	9.553	9.667	9.563
SDev	.0063	.0063	.0070	.0162	.094	.112	.134
%RSD	1.339	1.285	1.427	3.684	.9835	1.162	1.402
#1	.4614	.4822	.4802	.4448	9.447	9.540	9.413
#2	.4712	.4913	.4890	.4501	9.584	9.706	9.606
#3	.4730	.4943	.4939	.4199	9.627	9.754	9.671

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.4726	.4882	9.573	.4833	1.851
SDev	.0069	.0053	.374	.0055	.023
%RSD	1.459	1.078	3.912	1.144	1.248
#1	.4649	.4821	9.524	.4770	1.825
#2	.4747	.4915	9.970	.4857	1.857
#3	.4781	.4910	9.226	.4872	1.871

Method: ICAP3 Sample Name: MS, CLJDWW03 MTX SPK Operator: DK
Run Time: 03/17/94 11:56:09
Comment: JM4781MS,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.876	2.150	.5664	.2051	.5403	1.858	.0342
SDev	.018	.012	.0035	.0033	.0192	.043	.0037
%RSD	.9574	.5537	.6196	1.611	3.551	2.320	10.79
#1	1.896	2.137	.5624	.2020	.5459	1.829	.0359
#2	1.862	2.161	.5680	.2086	.5560	1.907	.0367
#3	1.870	2.152	.5688	.2049	.5189	1.837	.0299

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.2785	77.76	.4728	1.674	11.79	14.22	.0465
SDev	.0024	.47	.0035	.009	.06	.05	.0003
%RSD	.8475	.6000	.7377	.5211	.5492	.3760	.6553
#1	.2776	77.26	.4763	1.666	11.72	14.15	.0462
#2	.2767	78.18	.4694	1.683	11.85	14.25	.0468
#3	.2811	77.84	.4726	1.674	11.81	14.25	.0464

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4793	6.770	.4685	.3866	14.96	61.92	24.65
SDev	.0029	.025	.0019	.0042	.10	.31	.12
%RSD	.6130	.3738	.3958	1.077	.6581	.5070	.4930
#1	.4762	6.756	.4676	.3909	14.86	61.59	24.53
#2	.4820	6.799	.4706	.3865	15.05	62.21	24.64
#3	.4798	6.754	.4672	.3825	14.98	61.95	24.77

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.436	.4807	23.94	.4741	3.133

SDev	.008	.0029	.80	.0013	.046
%RSD	.5871	.6027	3.356	.2784	1.472
#1	1.427	.4781	24.36	.4748	3.121
#2	1.443	.4838	24.45	.4748	3.094
#3	1.437	.4801	23.02	.4726	3.184

Method: ICAP3 Sample Name: MSD, CLJDWW03 MIXDUP Operator: DK
Run Time: 03/17/94 11:59:05
Comment: JM4781MR,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.864	2.129	.5809	.2042	.5464	1.835	.0362
SDev	.025	.027	.0040	.0010	.0132	.007	.0024
%RSD	1.348	1.276	.6893	.4733	2.410	.3599	6.628
#1	1.849	2.156	.5827	.2048	.5616	1.829	.0352
#2	1.849	2.102	.5763	.2031	.5391	1.834	.0389
#3	1.893	2.129	.5837	.2047	.5384	1.842	.0344

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.2770	78.60	.4793	1.797	11.83	14.37	.0460
SDev	.0054	.80	.0044	.026	.13	.18	.0004
%RSD	1.968	1.016	.9273	1.444	1.074	1.266	.9664
#1	.2829	79.27	.4789	1.827	11.93	14.55	.0464
#2	.2722	77.72	.4751	1.784	11.69	14.19	.0455
#3	.2758	78.82	.4839	1.779	11.86	14.39	.0461

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4772	6.794	.4605	.3666	15.00	62.58	25.04
SDev	.0056	.068	.0057	.0052	.17	.63	.48
%RSD	1.174	.9942	1.236	1.420	1.103	1.007	1.910
#1	.4829	6.852	.4657	.3688	15.11	63.09	25.52
#2	.4717	6.720	.4544	.3704	14.81	61.87	24.57
#3	.4771	6.810	.4613	.3607	15.09	62.77	25.04

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.435	.4780	24.69	.4717	3.453
SDev	.018	.0059	.84	.0033	.170
%RSD	1.239	1.226	3.386	.7013	4.915
#1	1.453	.4825	25.47	.4744	3.626
#2	1.417	.4714	23.81	.4680	3.286
#3	1.435	.4802	24.80	.4726	3.448

Method: ICAP3 Sample Name: XX, JM4781 CMDWW03 Operator: DK
Run Time: 03/17/94 12:02:27

Comment: JM4781M,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0018	.3381	.5492	.0098	.0892	.0209	-.0037
SDev	.0076	.0046	.0043	.0016	.0080	.0095	.0015
%RSD	409.3	1.348	.7752	16.58	8.966	45.59	40.57
#1	-.0100	.3431	.5541	.0082	.0871	.0279	-.0052
#2	-.0004	.3368	.5472	.0098	.0824	.0101	-.0022
#3	.0049	.3343	.5463	.0114	.0980	.0248	-.0037

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0410	81.55	.0231	.0058	3.145	3.759	-.0001
SDev	.0009	.70	.0032	.0062	.051	.024	.0000
%RSD	2.175	.8533	13.67	106.6	1.606	.6381	1.614
#1	.0410	82.30	.0258	.0124	3.201	3.784	-.0001
#2	.0419	81.44	.0240	.0050	3.133	3.758	-.0001
#3	.0402	80.92	.0196	.0000	3.102	3.736	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0321	6.627	.0013	-.0547	6.044	55.72	16.03
SDev	.0009	.073	.0007	.0105	.072	.61	.14
%RSD	2.791	1.097	59.40	19.19	1.186	1.087	.8460
#1	.0321	6.706	.0011	-.0433	6.121	56.38	16.17
#2	.0330	6.614	.0006	-.0570	6.030	55.61	16.03
#3	.0312	6.563	.0021	-.0639	5.980	55.18	15.90

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.024	.0107	16.02	.0086	1.413
SDev	.012	.0007	.36	.0010	.009
%RSD	1.207	6.827	2.249	11.23	.6295
#1	1.038	.0101	16.00	.0075	1.422
#2	1.021	.0105	15.67	.0094	1.413
#3	1.014	.0115	16.39	.0087	1.405

Method: ICAP3 Sample Name: XX, CWDWW03 DUP Operator: DK
Run Time: 03/17/94 12:05:34
Comment: JM4781MM,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0012	.0016	.0007	-.0001	.0058	.0025	.0003
SDev	.0158	.0012	.0019	.0009	.0069	.0102	.0046
%RSD	1335.	73.64	268.7	791.1	119.6	414.3	1803.
#1	-.0088	.0030	.0027	-.0011	.0033	-.0026	-.0008
#2	.0193	.0009	-.0010	.0003	.0004	-.0042	.0052
#3	-.0070	.0010	.0004	.0005	.0136	.0142	-.0037

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0018	.3380	.0012	.0034	.0539	.0177	-.0003
SDev	.0009	.3494	.0043	.0035	.0157	.0321	.0000
%RSD	50.03	103.4	346.7	103.0	29.08	181.0	.8319
#1	.0018	.7386	.0061	.0004	.0711	.0495	-.0003
#2	.0027	.1788	-.0021	.0072	.0499	.0183	-.0003
#3	.0009	.0966	-.0003	.0025	.0406	-.0146	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0003	.0229	-.0010	.0064	.0666	.1959	.0039
SDev	.0004	.0342	.0020	.0067	.0327	.2969	.0917
%RSD	150.0	149.4	202.4	104.6	49.08	151.6	2373.
#1	.0003	.0624	-.0031	-.0013	.1008	.5377	.1092
#2	.0007	.0055	-.0007	.0110	.0633	.0487	-.0395
#3	-.0001	.0009	.0008	.0096	.0357	.0013	-.0581

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0034	.0015	-.1157	.0033	-.0176
SDev	.0049	.0007	.2484	.0030	.0043
%RSD	142.0	46.25	214.6	91.71	24.61
#1	.0090	.0014	-.0992	.0022	-.0127
#2	.0013	.0023	-.3720	.0067	-.0193
#3	.0000	.0009	.1240	.0010	-.0209

Method: ICAP3 Sample Name: LD, CWDWW03 @5X Operator: DK
Run Time: 03/17/94 12:08:31
Comment: JM4781ML,Q1M3962,L,A6,50,50,5
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0043	.0675	.1145	.0057	.0331	.0122	-.0011
SDev	.0190	.0003	.0008	.0036	.0194	.0096	.0023
%RSD	445.2	.4085	.6767	63.00	58.83	78.50	201.2
#1	-.0136	.0677	.1154	.0044	.0370	.0075	-.0031
#2	.0022	.0672	.1143	.0029	.0119	.0059	.0014
#3	.0242	.0675	.1139	.0097	.0502	.0232	-.0016

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0104	16.88	.0017	.0053	.6579	.8128	-.0001
SDev	.0010	.15	.0018	.0021	.0093	.0148	.0000
%RSD	9.907	.8670	106.4	39.67	1.412	1.821	4.350
#1	.0098	16.97	.0030	.0065	.6643	.8288	-.0001
#2	.0116	16.97	.0025	.0066	.6622	.7996	-.0001
#3	.0098	16.72	-.0004	.0029	.6473	.8100	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0069	1.342	-.0001	-.0016	1.283	11.33	3.423
SDev	.0007	.016	.0047	.0048	.007	.12	.037
%RSD	9.962	1.212	4091.	304.1	.5727	1.031	1.072
#1	.0070	1.354	-.0035	-.0043	1.292	11.40	3.439
#2	.0075	1.349	-.0021	.0040	1.280	11.39	3.449
#3	.0061	1.323	.0053	-.0045	1.279	11.19	3.381

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.2074	.0025	3.480	.0032	.3828
SDev	.0023	.0018	1.012	.0023	.0066
%RSD	1.093	73.74	29.08	71.74	1.724
#1	.2082	.0013	3.249	.0017	.3869
#2	.2091	.0015	2.604	.0059	.3862
#3	.2048	.0046	4.588	.0021	.3752

Method: ICAP3 Sample Name: AS, CWDWW03 POSTSPK Operator: DK
Run Time: 03/17/94 12:14:26
Comment: JM4781MP,Q1M3962,L,A6,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	1.844	2.123	.5311	.2136	.5375	1.840	.0367
SDev	.033	.023	.0044	.0051	.0140	.029	.0047
%RSD	1.811	1.100	.8336	2.406	2.611	1.581	12.75
#1	1.845	2.110	.5312	.2085	.5394	1.836	.0352
#2	1.877	2.150	.5355	.2188	.5505	1.871	.0420
#3	1.811	2.108	.5266	.2135	.5227	1.813	.0330

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.2713	72.61	.4819	1.831	11.49	12.63	.0462
SDev	.0056	.72	.0042	.033	.14	.19	.0006
%RSD	2.054	.9946	.8683	1.779	1.242	1.465	1.266
#1	.2695	72.31	.4772	1.830	11.38	12.55	.0458
#2	.2776	73.43	.4835	1.865	11.65	12.84	.0468
#3	.2669	72.08	.4851	1.800	11.44	12.49	.0458

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4838	6.234	.4669	.3783	14.47	58.29	24.16
SDev	.0055	.082	.0071	.0112	.18	.62	.56
%RSD	1.138	1.316	1.530	2.968	1.265	1.067	2.334
#1	.4815	6.192	.4647	.3880	14.39	58.02	23.76
#2	.4901	6.329	.4749	.3809	14.68	59.00	24.80
#3	.4798	6.183	.4612	.3660	14.34	57.84	23.91

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826

Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.368	.4762	23.05	.4721	3.239
SDev	.015	.0065	.30	.0084	.056
%RSD	1.107	1.373	1.297	1.772	1.714
#1	1.362	.4745	23.02	.4680	3.200
#2	1.386	.4834	23.36	.4817	3.303
#3	1.357	.4706	22.77	.4665	3.216

Method: ICAP3 Sample Name: CCV,0809 Operator: DK
Run Time: 03/17/94 12:18:33
Comment: IB,Q1M3962,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.280	4.661	1.286	.5022	2.467	2.369	.5945
SDev	.009	.046	.002	.0021	.009	.010	.0040
%RSD	.3797	.9864	.1530	.4194	.3626	.4115	.6678
#1	2.287	4.694	1.286	.5045	2.473	2.377	.5931
#2	2.271	4.680	1.287	.5019	2.457	2.372	.5990
#3	2.283	4.608	1.284	.5003	2.470	2.359	.5915
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.234	4.740	1.261	.4841	2.301	2.284	.5789
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.6166	1.290	1.297	2.269	2.380	4.794	.1223
SDev	.0081	.018	.003	.033	.020	.055	.0008
%RSD	1.314	1.426	.2472	1.441	.8316	1.138	.6808
#1	.6240	1.308	1.298	2.303	2.397	4.849	.1228
#2	.6178	1.291	1.300	2.266	2.384	4.793	.1228
#3	.6079	1.271	1.294	2.238	2.358	4.740	.1213
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.6256	1.237	1.275	2.171	2.334	4.749	.1200
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.315	1.259	.1140	2.353	12.26	12.28	12.14
SDev	.018	.010	.0019	.009	.04	.07	.10
%RSD	.7980	.8068	1.715	.3873	.3459	.5816	.7876
#1	2.330	1.268	.1140	2.359	12.31	12.33	12.25
#2	2.321	1.261	.1159	2.342	12.24	12.30	12.09
#3	2.295	1.248	.1120	2.357	12.23	12.20	12.07
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.320	1.226	.1112	2.281	11.73	11.93	11.97
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.259	1.287	11.99	2.401	1.171
SDev	.012	.008	.53	.014	.008
%RSD	.9684	.6062	4.420	.6025	.6958
#1	1.267	1.295	12.38	2.413	1.178
#2	1.264	1.287	11.38	2.406	1.173
#3	1.245	1.280	12.20	2.385	1.162
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.261	1.238	11.52	2.370	1.125
Range	10.50	10.50	10.50	10.50	10.50

Method: ICAP3 Sample Name: CCB Operator: DK
Run Time: 03/17/94 12:21:28
Comment: ID,Q1M3962,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0120	.0011	.0002	.0022	.0253	.0186	-.0005
SDev	.0149	.0007	.0008	.0036	.0193	.0075	.0011
%RSD	123.9	63.23	445.5	163.8	76.38	40.24	230.9
#1	.0246	.0004	-.0004	-.0019	.0034	.0100	-.0015
#2	.0158	.0017	.0010	.0047	.0326	.0221	-.0007
#3	-.0044	.0012	-.0001	.0039	.0398	.0236	.0008

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0039	.0116	.0029	.0074	.0450	.0543	-.0001
SDev	.0027	.0011	.0003	.0068	.0009	.0296	.0000
%RSD	70.46	9.506	11.46	91.22	1.969	54.47	2.686
#1	.0009	.0127	.0025	.0006	.0450	.0202	-.0001
#2	.0045	.0105	.0029	.0141	.0459	.0693	-.0000
#3	.0062	.0116	.0032	.0075	.0442	.0734	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0013	.0007	-.0016	.0087	.0600	.0147	.2064
SDev	.0005	.0002	.0035	.0147	.0192	.0027	.0467
%RSD	38.49	27.24	215.8	169.3	31.93	18.16	22.64
#1	.0007	.0007	-.0056	.0166	.0379	.0123	.1525
#2	.0016	.0009	.0013	.0177	.0699	.0176	.2316
#3	.0016	.0005	-.0007	-.0083	.0721	.0142	.2351

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0004	.0024	.7937	.0018	.0084
SDev	.0000	.0013	1.025	.0013	.0003
%RSD	.0000	53.86	129.1	74.61	4.103
#1	.0004	.0009	-.1488	.0025	.0083

#2	.0004	.0031	1.885	.0002	.0087
#3	.0004	.0031	.6448	.0025	.0081

Method: ICAP3 Sample Name: TCLP BLANK N7M3946 Operator: DK
Run Time: 03/17/94 13:28:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0009	.1793	-.0002	.0008	-.0002	-.0021	-.0065
SDev	.0115	.0014	.0005	.0022	.0000	.0097	.0017
%RSD	1290.	.7660	208.0	270.9	13.62	464.1	26.62
#1	-.0044	.1777	-.0005	-.0016	-.0003	-.0016	-.0075
#2	.0141	.1803	.0003	.0014	-.0002	-.0121	-.0045
#3	-.0070	.1798	-.0005	.0026	-.0003	.0074	-.0075

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0024	.0904	.0019	-.0029	.0215	.0291	-.0003
SDev	.0019	.0019	.0009	.0167	.0080	.0254	.0000
%RSD	78.04	2.143	48.20	575.3	37.11	87.03	.2148
#1	.0045	.0924	.0010	.0094	.0306	.0566	-.0003
#2	.0009	.0902	.0029	-.0219	.0164	.0067	-.0003
#3	.0018	.0885	.0019	.0038	.0173	.0240	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0001	.0185	-.0028	.0096	.0530	.1382	S3995.
SDev	.0007	.0003	.0003	.0286	.0177	.0015	.
%RSD	458.3	1.582	10.33	297.3	33.48	1.060	.0086
#1	.0007	.0188	-.0026	.0425	.0732	.1398	S3995.
#2	-.0006	.0184	-.0026	-.0082	.0456	.1369	S3996.
#3	.0003	.0182	-.0031	-.0055	.0401	.1379	S3995.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0043	-.0002	-.3472	-.0009	.1030
SDev	.0004	.0008	.1312	.0008	.0019
%RSD	10.000	393.7	37.80	85.59	1.812
#1	.0047	.0003	-.2976	-.0017	.1013
#2	.0039	.0003	-.4960	-.0009	.1050
#3	.0043	-.0011	-.2480	-.0001	.1026

Method: ICAP3 Sample Name: PBL, N7M3946 BLANK Operator: DK
Run Time: 03/17/94 13:33:59
Comment: N7M3946M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0076	.0002	.0002	.0013	.0123	.0117	-.0037
SDev	.0120	.0005	.0010	.0015	.0045	.0029	.0071
%RSD	157.0	269.3	457.3	114.7	36.84	24.67	191.0

#2	-.0035	-.0000	.0012	.0029	.0165	.0131	-.0105
#3	-.0211	-.0002	.0003	-.0000	.0129	.0137	-.0045

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0012	.0029	.0002	-.0015	.0070	.0360	-.0001
SDev	.0042	.0006	.0020	.0123	.0025	.0411	.0002
%RSD	354.6	19.86	1346.	808.0	36.30	114.1	118.0
#1	.0045	.0025	.0006	.0050	.0090	.0794	-.0003
#2	-.0036	.0036	.0019	-.0157	.0041	-.0022	-.0000
#3	.0027	.0028	-.0021	.0061	.0077	.0307	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0001	.0003	-.0007	-.0119	.0364	.0260	.1085
SDev	.0016	.0002	.0021	.0196	.0294	.0015	.1418
%RSD	1039.	60.07	325.8	165.0	80.71	5.623	130.7
#1	.0007	.0003	.0003	.0096	.0556	.0276	.2714
#2	-.0019	.0001	.0008	-.0289	.0026	.0248	.0124
#3	.0007	.0005	-.0031	-.0164	.0511	.0257	.0417

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0006	-.0000	.0661	-.0004	.0049
SDev	.0005	.0017	.3731	.0038	.0011
%RSD	86.60	3744.	564.2	1004.	22.66
#1	.0000	.0012	-.1736	.0037	.0062
#2	.0009	-.0020	.4960	-.0039	.0042
#3	.0009	.0007	-.1240	-.0009	.0042

Method: ICAP3 Sample Name: LCSL, N7M3946 SPIKE Operator: DK
Run Time: 03/17/94 13:36:53
Comment: N7M3946MS,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.776	9.596	.9740	5.074	4.927	.9575	.0895
SDev	.023	.014	.0137	.003	.024	.0135	.0136
%RSD	.4827	.1503	1.404	.0652	.4926	1.414	15.18
#1	4.801	9.605	.9816	5.073	4.951	.9536	.0994
#2	4.770	9.603	.9582	5.072	4.903	.9463	.0740
#3	4.756	9.579	.9821	5.078	4.928	.9725	.0950

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.872	4.692	4.924	4.854	.0104	-.0015	.9526
SDev	.031	.022	.023	.031	.0042	.0627	.0022
%RSD	.6439	.4741	.4619	.6315	40.46	4045.	.2302
#1	4.839	4.672	4.927	4.867	.0144	.0265	.9547
#2	4.876	4.689	4.900	4.819	.0060	-.0734	.9503

#3	4.902	4.716	4.945	4.876	.0108	.0422	.9527

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0016	.9733	.9707	.8691	.0291	.0431	.0440
SDev	.0015	.0039	.0057	.0436	.0405	.0076	.0670
%RSD	94.48	.4026	.5915	5.013	139.4	17.58	152.4
#1	.0025	.9776	.9684	.9094	.0578	.0497	.0749
#2	-.0001	.9699	.9664	.8229	-.0173	.0348	-.0329
#3	.0025	.9723	.9772	.8750	.0467	.0449	.0900

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0059	.9849	-.2976	.9689	.0281
SDev	.0003	.0070	.2517	.0077	.0016
%RSD	4.225	.7092	84.57	.7947	5.645
#1	.0060	.9905	-.0248	.9738	.0291
#2	.0056	.9770	-.5208	.9600	.0262
#3	.0060	.9871	-.3472	.9730	.0288

Method: ICAP3 Sample Name: MS, ~~CLJDS10 MTX~~ CLJDS11C SPK Operator: DK
Run Time: 03/17/94 13:40:20
Comment: JM4369MS,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

DK 3/17/94

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.917	9.409	.9769	5.028	4.932	.9999	.0894
SDev	.046	.089	.0068	.035	.034	.0163	.0030
%RSD	.9279	.9495	.6949	.7047	.6912	1.632	3.399
#1	4.962	9.507	.9844	5.064	4.972	.9831	.0926
#2	4.918	9.390	.9711	5.027	4.913	1.001	.0866
#3	4.871	9.331	.9752	4.993	4.912	1.016	.0889

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.988	10.45	4.863	4.790	.1037	.8757	.9580
SDev	.069	.07	.020	.032	.0009	.0350	.0067
%RSD	1.374	.6863	.4203	.6673	.8951	3.999	.6955
#1	5.064	10.52	4.887	4.826	.1047	.9070	.9648
#2	4.971	10.45	4.848	4.775	.1031	.8821	.9577
#3	4.930	10.38	4.855	4.768	.1032	.8379	.9515

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0067	1.678	.9681	.8982	.1965	3.362	S3992.
SDev	.0005	.011	.0058	.0124	.0128	.023	.
%RSD	7.698	.6592	.6030	1.381	6.511	.6773	.0035
#1	.0070	1.690	.9743	.9108	.2101	3.387	S3992.
#2	.0070	1.675	.9675	.8977	.1946	3.359	S3992.
#3	.0061	1.668	.9627	.8860	.1847	3.342	S3992.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0274	.9755	.1405	.9705	.1398
SDev	.0000	.0068	.3160	.0096	.0013
%RSD	.0000	.6993	224.8	.9852	.8959
#1	.0274	.9826	-.2232	.9806	.1412
#2	.0274	.9749	.3472	.9692	.1395
#3	.0274	.9690	.2976	.9616	.1387

Method: ICAP3 Sample Name: MSD, CLJDS11D MTXDUP Operator: DK
Run Time: 03/17/94 13:43:22
Comment: JM4369MR,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.854	9.279	.9630	4.959	4.874	.9806	.0901
SDev	.034	.082	.0041	.031	.030	.0308	.0073
%RSD	.6945	.8880	.4244	.6241	.6112	3.144	8.127
#1	4.816	9.187	.9583	4.929	4.857	.9836	.0985
#2	4.881	9.345	.9657	4.991	4.908	1.010	.0859
#3	4.864	9.306	.9649	4.956	4.855	.9484	.0858

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.882	10.49	4.806	4.735	.1033	.8994	.9450
SDev	.030	.05	.029	.033	.0038	.0404	.0067
%RSD	.6089	.5059	.5983	.6922	3.665	4.498	.7068
#1	4.850	10.44	4.780	4.717	.1071	.9375	.9378
#2	4.909	10.55	4.837	4.773	.1031	.9037	.9509
#3	4.886	10.48	4.800	4.714	.0996	.8570	.9463

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0073	1.674	.9588	.8898	.2042	3.443	S3991.
SDev	.0013	.001	.0044	.0363	.0293	.018	.
%RSD	17.67	.0458	.4627	4.084	14.33	.5372	.0041
#1	.0088	1.674	.9549	.8953	.2278	3.425	S3991.
#2	.0066	1.674	.9636	.9230	.2134	3.462	S3991.
#3	.0066	1.675	.9578	.8510	.1715	3.442	S3991.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0277	.9626	.6035	.9562	.0897
SDev	.0005	.0052	.6046	.0040	.0008
%RSD	1.786	.5386	100.2	.4202	.9520
#1	.0274	.9592	.3720	.9525	.0899
#2	.0283	.9685	1.290	.9605	.0887
#3	.0274	.9600	.1488	.9555	.0903

Method: ICAP3 Sample Name: XX, JM4369 CLJDS11D Operator: DK
Run Time: 03/17/94 13:46:10
Comment: JM4369M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0056	.1076	.0099	.0069	.0858	.0095	-.0018
SDev	.0106	.0033	.0011	.0014	.0069	.0180	.0065
%RSD	188.7	3.094	11.01	20.97	8.013	189.7	358.6
#1	.0055	.1114	.0107	.0085	.0926	.0226	.0037
#2	-.0156	.1053	.0086	.0061	.0860	.0168	-.0090
#3	-.0068	.1061	.0102	.0060	.0789	-.0110	-.0001

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0577	5.798	.0105	.0026	.1004	.8735	.0001
SDev	.0040	.046	.0023	.0151	.0014	.0040	.0002
%RSD	6.974	.7986	21.92	572.2	1.396	.4605	152.7
#1	.0616	5.843	.0130	.0156	.0989	.8781	.0004
#2	.0535	5.751	.0084	-.0139	.1008	.8705	.0001
#3	.0580	5.801	.0102	.0062	.1016	.8720	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0045	.7180	.0003	-.0134	.1987	3.399	S3991.
SDev	.0007	.0056	.0017	.0088	.0108	.035	.
%RSD	15.28	.7761	524.7	66.01	5.453	1.042	.0074
#1	.0039	.7243	-.0016	-.0070	.1924	3.427	S3992.
#2	.0043	.7138	.0013	-.0235	.1924	3.359	S3991.
#3	.0052	.7159	.0013	-.0097	.2112	3.411	S3991.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0223	.0024	.2976	.0005	.0881
SDev	.0009	.0011	.1736	.0022	.0012
%RSD	3.846	44.85	58.33	453.8	1.400
#1	.0231	.0033	.1736	.0021	.0892
#2	.0214	.0012	.2232	-.0020	.0882
#3	.0223	.0026	.4960	.0014	.0868

Method: ICAP3 Sample Name: XX, CLJDS11D DUP Operator: DK
Run Time: 03/17/94 13:49:12
Comment: JM4369MM,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0076	.1037	.0094	.0024	.0623	-.0007	-.0043
SDev	.0095	.0010	.0005	.0006	.0120	.0187	.0054

#1	.0029	.1048	.0098	.0018	.0615	.0005	-.0016
#2	-.0103	.1030	.0088	.0023	.0508	-.0199	-.0105
#3	-.0156	.1032	.0095	.0031	.0747	.0173	-.0008

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0517	5.682	.0077	.0012	.0946	.8569	-.0002
SDev	.0045	.036	.0024	.0020	.0022	.0546	.0002
%RSD	8.623	.6316	30.59	175.3	2.305	6.373	70.11
#1	.0562	5.724	.0097	.0024	.0969	.9087	-.0003
#2	.0473	5.660	.0051	-.0012	.0925	.7999	-.0000
#3	.0517	5.663	.0083	.0022	.0943	.8620	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0034	.7415	-.0015	-.0101	.1939	3.388	S3992.
SDev	.0004	.0073	.0012	.0256	.0226	.027	.
%RSD	13.04	.9894	84.24	253.4	11.63	.7915	.0026
#1	.0039	.7499	-.0026	.0137	.2035	3.419	S3992.
#2	.0030	.7380	-.0002	-.0371	.1682	3.369	S3992.
#3	.0034	.7365	-.0016	-.0069	.2101	3.378	S3992.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0223	.0003	.1075	.0001	.0988
SDev	.0000	.0017	.3275	.0023	.0013
%RSD	.0000	528.5	304.7	2015.	1.344
#1	.0223	.0017	.1736	.0021	.0999
#2	.0223	-.0016	.3968	-.0024	.0973
#3	.0223	.0009	-.2480	.0006	.0991

Method: ICAP3 Sample Name: XX, JM4363 CLJCSS43 Operator: DK
Run Time: 03/17/94 13:52:08
Comment: JM4363M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0035	.2957	.0000	.0037	.0153	.0195	-.0067
SDev	.0047	.0014	.0009	.0011	.0032	.0227	.0049
%RSD	132.9	.4587	68500.	28.54	20.64	116.9	72.99
#1	.0088	.2967	.0010	.0027	.0164	.0405	-.0075
#2	.0017	.2961	-.0003	.0048	.0177	.0226	-.0112
#3	-.0000	.2941	-.0007	.0035	.0117	-.0047	-.0015

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0068	.1743	.0038	.0017	.1188	2.544	-.0001
SDev	.0010	.0057	.0013	.0066	.0024	.013	.0002
%RSD	15.04	3.282	33.31	390.2	1.977	.5116	116.0

#1	.0062	.1801	.0027	-.0046	.1206	2.539	-.0001
#2	.0080	.1740	.0051	.0012	.1197	2.559	-.0000
#3	.0062	.1687	.0035	.0085	.1161	2.535	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0109	.0029	.0000	.0081	.1744	1.142	S3996.
SDev	.0005	.0004	.0006	.0071	.0166	.003	.
%RSD	4.745	12.34	15270.	87.81	9.522	.2948	.0032
#1	.0106	.0031	-.0006	.0040	.1659	1.142	S3996.
#2	.0115	.0032	.0003	.0040	.1935	1.145	S3996.
#3	.0106	.0025	.0003	.0164	.1637	1.139	S3996.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0120	.0006	.0909	.0011	.1840
SDev	.0000	.0014	.3861	.0027	.0018
%RSD	.0000	220.2	424.6	238.3	.9995
#1	.0120	-.0008	.0496	.0014	.1860
#2	.0120	.0020	.4960	-.0017	.1825
#3	.0120	.0007	-.2728	.0037	.1834

Method: ICAP3 Sample Name: XX, JM4364 CLJCSS44 Operator: DK
Run Time: 03/17/94 13:56:09
Comment: JM4364M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0105	.2603	.0014	.0020	.0308	-.0068	-.0097
SDev	.0158	.0015	.0006	.0021	.0231	.0279	.0088
%RSD	150.0	.5654	46.74	103.6	74.95	410.6	90.70
#1	-.0263	.2586	.0013	-.0002	.0057	-.0383	-.0194
#2	-.0105	.2610	.0007	.0022	.0356	.0032	-.0022
#3	.0053	.2612	.0020	.0040	.0512	.0147	-.0075

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0054	.4186	-.0005	-.0035	.1699	1.014	-.0001
SDev	.0071	.0037	.0022	.0183	.0045	.056	.0002
%RSD	132.2	.8737	430.1	519.6	2.642	5.526	114.7
#1	-.0027	.4144	-.0024	-.0237	.1647	.9492	-.0003
#2	.0107	.4209	-.0009	.0010	.1723	1.045	-.0001
#3	.0080	.4206	.0018	.0121	.1727	1.048	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0076	.0359	-.0033	-.0238	.0497	.3218	S3997.
SDev	.0009	.0007	.0037	.0267	.0393	.0091	.
%RSD	12.25	2.012	113.9	112.1	79.05	2.820	.0023
#1	.0066	.0352	-.0075	-.0507	.0070	.3114	S3997.

#2	.0079	.0360	-.0016	.0027	.0578	.3258	S3997.
#3	.0084	.0366	-.0006	-.0234	.0843	.3282	S3997.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0081	-.0010	-.0413	-.0013	.1440
SDev	.0007	.0041	.6227	.0029	.0019
%RSD	9.116	390.6	1506.	222.7	1.296
#1	.0073	-.0054	-.6944	-.0043	.1423
#2	.0086	-.0005	.0248	.0014	.1436
#3	.0086	.0027	.5456	-.0009	.1460

Method: ICAP3 Sample Name: CCV, 0809 Operator: DK
Run Time: 03/17/94 14:00:16
Comment: IB,N7M3946,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.270	4.653	1.289	.4982	2.439	2.365	.5955
SDev	.018	.039	.004	.0051	.015	.018	.0028
%RSD	.8027	.8432	.3388	1.019	.6238	.7438	.4758
#1	2.254	4.642	1.286	.4964	2.432	2.365	.5923
#2	2.290	4.697	1.294	.5040	2.457	2.382	.5968
#3	2.267	4.620	1.288	.4943	2.429	2.347	.5975
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.234	4.740	1.261	.4841	2.301	2.284	.5789
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.6157	1.260	1.296	2.270	2.344	4.764	.1221
SDev	.0049	.005	.003	.003	.014	.024	.0009
%RSD	.7989	.4219	.2387	.1259	.5763	.5037	.7222
#1	.6106	1.256	1.299	2.268	2.340	4.737	.1219
#2	.6204	1.266	1.297	2.273	2.359	4.784	.1231
#3	.6160	1.259	1.293	2.269	2.333	4.772	.1213
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.6256	1.237	1.275	2.171	2.334	4.749	.1200
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.307	1.267	.1136	2.320	12.23	12.31	12.18
SDev	.016	.007	.0015	.012	.07	.08	.09
%RSD	.6953	.5379	1.305	.5329	.5585	.6583	.7326
#1	2.303	1.262	.1140	2.333	12.21	12.29	12.17
#2	2.325	1.275	.1149	2.319	12.31	12.40	12.28
#3	2.293	1.265	.1120	2.308	12.18	12.24	12.10

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.320	1.226	.1112	2.281	11.73	11.93	11.97
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.258	1.280	11.67	2.401	1.156
SDev	.010	.009	.10	.014	.007
%RSD	.7934	.6863	.8846	.5900	.6350
#1	1.255	1.278	11.56	2.396	1.154
#2	1.269	1.290	11.76	2.417	1.164
#3	1.250	1.273	11.71	2.390	1.149

Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.261	1.238	11.52	2.370	1.125
Range	10.50	10.50	10.50	10.50	10.50

Method: ICAP3 Sample Name: CCB Operator: DK
Run Time: 03/17/94 14:03:08
Comment: ID,N7M3946,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0316	.0003	-.0006	-.0008	.0139	.0070	-.0040
SDev	.0265	.0004	.0003	.0005	.0046	.0100	.0028
%RSD	83.87	153.4	52.27	65.42	33.36	142.7	71.16
#1	.0598	.0004	-.0008	-.0006	.0087	.0173	-.0052
#2	.0281	.0006	-.0009	-.0013	.0177	.0063	-.0007
#3	.0070	-.0002	-.0003	-.0003	.0153	-.0026	-.0060

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0021	.0022	.0002	.0091	.0084	.0198	-.0000
SDev	.0026	.0008	.0027	.0035	.0016	.0148	.0000
%RSD	123.7	38.73	1258.	38.82	18.44	75.05	3.855
#1	-.0009	.0016	-.0014	.0051	.0068	.0059	-.0000
#2	.0036	.0031	.0033	.0116	.0086	.0354	-.0001
#3	.0036	.0017	-.0013	.0105	.0099	.0180	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0007	.0001	.0007	-.0087	.0364	.0021	.1159
SDev	.0000	.0005	.0020	.0173	.0256	.0024	.0294
%RSD	.0000	754.2	311.4	199.3	70.24	116.2	25.39
#1	.0007	-.0004	.0023	-.0247	.0070	-.0002	.1344
#2	.0007	.0001	.0013	.0096	.0534	.0018	.1313
#3	.0007	.0005	-.0016	-.0110	.0489	.0046	.0820

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0003	-.0006	-.1571	.0006	.0071

SDev	.0003	.0010	.5390	.0020	.0006
%RSD	86.60	160.2	343.2	318.1	8.058
#1	.0000	-.0014	-.7688	-.0009	.0075
#2	.0004	.0005	.2480	.0029	.0064
#3	.0004	-.0010	.0496	-.0001	.0072

JM4365 DK 3/17/94

Method: ICAP3 Sample Name: XX, JM4365 CLJCSS45 Operator: DK
Run Time: 03/17/94 14:06:04
Comment: JM4365M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0000	.3442	-.0003	.0028	.0098	.0135	.0012
SDev	.0216	.0006	.0002	.0031	.0153	.0017	.0071
%RSD	254400.	.1846	86.07	110.2	156.4	12.53	565.9
#1	.0158	.3444	-.0003	.0063	.0249	.0142	-.0067
#2	-.0246	.3435	-.0004	.0016	.0099	.0147	.0037
#3	.0088	.3448	-.0000	.0005	-.0056	.0116	.0067

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0036	.1417	.0087	-.0009	.0536	2.015	-.0002
SDev	.0024	.0013	.0032	.0091	.0005	.026	.0002
%RSD	66.10	.9220	36.28	1013.	.9566	1.294	69.69
#1	.0009	.1432	.0120	-.0109	.0530	1.990	-.0000
#2	.0054	.1410	.0082	.0068	.0539	2.014	-.0003
#3	.0045	.1410	.0058	.0015	.0539	2.042	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0088	.0019	-.0002	-.0032	.2002	4.080	S3997.
SDev	.0004	.0001	.0008	.0064	.0192	.003	.
%RSD	5.085	5.789	519.2	196.3	9.568	.0647	.0109
#1	.0084	.0019	.0003	-.0070	.1836	4.080	S3998.
#2	.0088	.0019	-.0011	.0041	.1958	4.078	S3997.
#3	.0093	.0020	.0003	-.0068	.2211	4.083	S3997.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0193	.0017	.2067	.0015	.1318
SDev	.0004	.0006	.4226	.0027	.0015
%RSD	2.222	34.58	204.5	178.8	1.179
#1	.0197	.0013	.6944	-.0009	.1313
#2	.0189	.0013	-.0496	.0010	.1305
#3	.0193	.0023	-.0248	.0044	.1335

Method: ICAP3 Sample Name: XX, JM4366 CLJCLL46 Operator: DK
Run Time: 03/17/94 14:09:05

Comment: JM4366M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0009	.2966	-.0001	.0061	.0197	.0375	-.0010
SDev	.0135	.0004	.0003	.0000	.0052	.0114	.0026
%RSD	1553.	.1372	544.1	.0061	26.21	30.46	264.6
#1	-.0026	.2967	.0003	.0061	.0141	.0252	-.0037
#2	-.0106	.2970	-.0004	.0061	.0207	.0478	-.0007
#3	.0158	.2962	-.0001	.0061	.0243	.0394	.0015

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0054	.1303	.0104	.0013	.0255	1.558	-.0002
SDev	.0015	.0002	.0048	.0051	.0011	.001	.0002
%RSD	28.86	.1283	45.99	378.6	4.373	.0506	68.72
#1	.0045	.1302	.0104	.0072	.0267	1.559	-.0003
#2	.0045	.1305	.0056	-.0016	.0254	1.559	-.0003
#3	.0071	.1302	.0152	-.0016	.0245	1.557	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0007	.0123	-.0010	.0068	.1141	.5169	S3998.
SDev	.0000	.0004	.0007	.0143	.0086	.0015	.
%RSD	.0000	3.569	75.69	211.0	7.558	.2833	.0017
#1	.0007	.0128	-.0016	-.0097	.1096	.5156	S3998.
#2	.0007	.0119	-.0012	.0137	.1085	.5166	S3998.
#3	.0007	.0122	-.0002	.0164	.1240	.5185	S3998.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0069	.0013	.1075	.0023	.1462
SDev	.0000	.0004	.2080	.0021	.0016
%RSD	.0000	33.12	193.5	92.01	1.096
#1	.0069	.0012	-.0248	.0002	.1480
#2	.0069	.0009	-.0000	.0044	.1450
#3	.0069	.0018	.3472	.0022	.1456

Method: ICAP3 Sample Name: XX, JM4367 CLJDS010 Operator: DK
Run Time: 03/17/94 14:12:18
Comment: JM4367M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0037	.3789	.0058	.0069	.0446	.0023	-.0045
SDev	.0120	.0008	.0003	.0018	.0134	.0118	.0007
%RSD	320.2	.2054	5.147	26.39	29.96	513.8	16.53
#1	.0018	.3780	.0059	.0090	.0546	-.0026	-.0052
#2	.0045	.3796	.0060	.0057	.0498	.0158	-.0038
#3	-.0175	.3790	.0055	.0059	.0294	-.0063	-.0045

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0467	14.01	.0061	.0032	.1344	1.704	-.0001
SDev	.0021	.04	.0037	.0077	.0014	.010	.0002
%RSD	4.414	.2914	60.82	242.7	1.018	.6012	113.8
#1	.0491	13.96	.0066	.0049	.1356	1.709	-.0001
#2	.0455	14.04	.0096	.0099	.1347	1.692	-.0000
#3	.0455	14.01	.0022	-.0053	.1329	1.711	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0063	.2137	-.0021	-.0097	.1450	1.437	S3994.
SDev	.0007	.0016	.0009	.0171	.0048	.003	.
%RSD	10.91	.7618	40.01	176.6	3.319	.2083	.0038
#1	.0070	.2119	-.0026	-.0289	.1483	1.435	S3994.
#2	.0057	.2150	-.0026	.0040	.1395	1.440	S3994.
#3	.0061	.2144	-.0011	-.0042	.1472	1.436	S3994.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0129	.0022	.3968	.0015	.1328
SDev	.0000	.0021	.3224	.0012	.0013
%RSD	.0000	94.35	81.25	81.30	.9563
#1	.0129	.0045	.7688	.0029	.1313
#2	.0129	.0016	.1984	.0010	.1334
#3	.0129	.0005	.2232	.0006	.1337

Method: ICAP3 Sample Name: XX, JM4368 CLJDS11 Operator: DK
Run Time: 03/17/94 14:15:35
Comment: JM4368M,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0063	.3037	.0212	.0041	1.849	.0110	-.0035
SDev	.0137	.0028	.0004	.0017	.014	.0050	.0017
%RSD	218.3	.9308	1.796	41.16	.7399	45.35	48.75
#1	-.0104	.3055	.0211	.0031	1.842	.0116	-.0045
#2	-.0174	.3052	.0209	.0031	1.864	.0058	-.0045
#3	.0090	.3004	.0216	.0060	1.840	.0158	-.0015

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.028	39.75	.0096	-.0027	.1045	.9748	-.0002
SDev	.016	.30	.0022	.0033	.0012	.0120	.0002
%RSD	.7823	.7576	22.42	124.7	1.120	1.231	69.66
#1	2.039	39.91	.0116	-.0064	.1049	.9858	-.0000
#2	2.035	39.94	.0073	-.0000	.1054	.9767	-.0003
#3	2.010	39.40	.0099	-.0016	.1032	.9620	-.0003

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0027	.5448	-.0021	-.0439	.2469	3.304	S3996.
SDev	.0009	.0020	.0013	.0060	.0109	.026	.
%RSD	34.69	.3602	61.26	13.58	4.411	.7964	.0039
#1	.0034	.5470	-.0006	-.0371	.2344	3.320	S3996.
#2	.0030	.5436	-.0031	-.0466	.2520	3.318	S3996.
#3	.0016	.5437	-.0026	-.0480	.2543	3.273	S3996.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0257	.0020	.0413	.0011	.1190
SDev	.0000	.0013	.4589	.0019	.0023
%RSD	.0000	63.19	1110.	169.7	1.962
#1	.0257	.0011	-.4216	-.0009	.1193
#2	.0257	.0034	.0496	.0014	.1212
#3	.0257	.0015	.4960	.0029	.1166

Method: ICAP3 Sample Name: LD, CLJDS11 @5X Operator: DK
Run Time: 03/17/94 14:19:42
Comment: JM4368ML,N7M3946,L,A5,50,50,5
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0038	.0623	.0046	.0016	.3947	.0158	-.0015
SDev	.0119	.0007	.0004	.0019	.0159	.0219	.0049
%RSD	309.8	1.124	8.547	117.3	4.031	139.0	326.0
#1	-.0035	.0627	.0042	.0009	.3861	.0131	-.0008
#2	-.0026	.0614	.0047	.0001	.3849	-.0047	.0030
#3	.0176	.0626	.0050	.0037	.4130	.0389	-.0067

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4169	8.326	.0018	.0052	.0276	.2534	-.0001
SDev	.0014	.056	.0049	.0090	.0016	.0201	.0000
%RSD	.3269	.6733	274.4	173.0	5.850	7.932	5.555
#1	.4184	8.374	.0068	.0029	.0262	.2539	-.0000
#2	.4157	8.264	-.0031	.0152	.0294	.2733	-.0001
#3	.4166	8.338	.0016	-.0024	.0271	.2331	-.0000

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0004	.1124	-.0013	-.0210	.0898	.7112	262.5
SDev	.0017	.0012	.0022	.0075	.0174	.0037	1.4
%RSD	378.6	1.065	168.8	35.61	19.32	.5264	.5506
#1	.0012	.1136	-.0036	-.0288	.0975	.7131	263.4
#2	.0016	.1112	-.0011	-.0205	.1019	.7069	260.8
#3	-.0015	.1123	.0008	-.0138	.0699	.7136	263.2

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826

Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0071	.0002	-.0000	.0013	.0569
SDev	.0003	.0007	.5811	.0029	.0011
%RSD	3.464	421.5	177e6	229.7	1.968
#1	.0073	.0007	-.2976	.0006	.0556
#2	.0069	-.0007	-.3720	.0044	.0578
#3	.0073	.0005	.6696	-.0013	.0571

Method: ICAP3 Sample Name: AS, CLJDS11 POSTSPK Operator: DK
Run Time: 03/17/94 14:22:37
Comment: JM4368MP,N7M3946,L,A5,50,50,1
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	4.740	9.313	.9613	4.867	6.313	.9688	.0821
SDev	.031	.047	.0067	.019	.005	.0193	.0040
%RSD	.6636	.5084	.6962	.3814	.0788	1.990	4.814
#1	4.722	9.362	.9557	4.882	6.317	.9584	.0791
#2	4.722	9.268	.9594	4.846	6.308	.9569	.0866
#3	4.776	9.309	.9687	4.873	6.315	.9910	.0806

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	6.490	39.00	4.717	4.628	.1765	.8286	.9305
SDev	.023	.16	.031	.006	.0280	.0503	.0041
%RSD	.3505	.4067	.6557	.1326	15.85	6.064	.4373
#1	6.513	39.18	4.752	4.623	.1493	.7974	.9351
#2	6.467	38.87	4.704	4.635	.1750	.8866	.9275
#3	6.489	38.96	4.695	4.627	.2052	.8019	.9288

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0037	1.398	.9413	.8356	.1976	2.884	S4000.
SDev	.0014	.007	.0009	.0198	.0265	.008	.
%RSD	36.66	.5303	.1007	2.366	13.41	.2776	.0077
#1	.0025	1.390	.9423	.8318	.1715	2.891	S4000.
#2	.0052	1.400	.9404	.8570	.2245	2.885	S4000.
#3	.0034	1.405	.9413	.8180	.1969	2.875	S4000.

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0277	.9463	.5043	.9379	.2122
SDev	.0005	.0022	.6592	.0037	.0010
%RSD	1.786	.2328	130.7	.3945	.4878
#1	.0274	.9473	.0992	.9411	.2133
#2	.0274	.9437	.1488	.9388	.2117
#3	.0283	.9477	1.265	.9339	.2114

Method: ICAP3 Sample Name: CCV, 0809 Operator: DK
Run Time: 03/17/94 14:26:28
Comment: IB,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.277	4.680	1.291	.5061	2.423	2.384	.5933
SDev	.034	.027	.003	.0119	.019	.022	.0112
%RSD	1.497	.5842	.1953	2.355	.7968	.9048	1.896
#1	2.238	4.664	1.288	.5194	2.404	2.370	.5840
#2	2.302	4.712	1.292	.5022	2.442	2.409	.6058
#3	2.290	4.664	1.293	.4966	2.423	2.373	.5900
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.234	4.740	1.261	.4841	2.301	2.284	.5789
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.6338	1.359	1.306	2.283	2.344	4.785	.1237
SDev	.0193	.154	.010	.025	.027	.031	.0015
%RSD	3.043	11.35	.7622	1.092	1.171	.6557	1.196
#1	.6552	Q1.537	1.297	2.282	2.314	4.751	.1251
#2	.6285	1.283	1.302	2.309	2.369	4.812	.1236
#3	.6178	1.258	1.317	2.259	2.348	4.792	.1222
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.6256	1.237	1.275	2.171	2.334	4.749	.1200
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	2.309	1.272	.1164	2.309	12.19	12.32	Q13.79
SDev	.026	.014	.0047	.007	.18	.15	2.54
%RSD	1.125	1.107	4.003	.3129	1.438	1.197	18.42
#1	2.283	1.260	.1189	2.301	12.00	12.16	Q16.73
#2	2.335	1.288	.1193	2.312	12.34	12.46	12.42
#3	2.309	1.269	.1110	2.314	12.22	12.34	12.23
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.320	1.226	.1112	2.281	11.73	11.93	11.97
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	1.263	1.278	11.47	2.403	1.145
SDev	.013	.013	.33	.027	.016
%RSD	1.001	1.056	2.919	1.119	1.440
#1	1.251	1.264	11.48	2.375	1.127
#2	1.276	1.291	11.81	2.428	1.158
#3	1.263	1.278	11.14	2.405	1.151
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass

Value	1.261	1.238	11.52	2.370	1.125
Range	10.50	10.50	10.50	10.50	10.50

Method: ICAP3 Sample Name: CCB Operator: DK
Run Time: 03/17/94 14:29:25
Comment: ID,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0182	.0004	-.0008	.0003	.0022	-.0009	-.0027
SDev	.0141	.0003	.0005	.0014	.0118	.0116	.0035
%RSD	77.62	72.93	57.46	436.6	540.7	1323.	129.1
#1	.0316	.0001	-.0012	-.0013	-.0110	-.0142	.0000
#2	.0193	.0006	-.0010	.0010	.0058	.0047	-.0015
#3	.0035	.0006	-.0003	.0013	.0117	.0068	-.0067

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0033	.0044	-.0006	.0077	.0105	.0336	-.0001
SDev	.0010	.0014	.0008	.0057	.0016	.0207	.0000
%RSD	31.49	30.66	139.8	73.69	14.85	61.56	3.793
#1	.0027	.0059	.0004	.0138	.0090	.0121	-.0001
#2	.0027	.0034	-.0010	.0066	.0104	.0354	-.0000
#3	.0045	.0039	-.0012	.0027	.0121	.0534	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0000	.0006	-.0008	.0169	.0449	.0142	.1804
SDev	.0009	.0007	.0020	.0139	.0140	.0017	.0187
%RSD	1202e6	126.2	242.4	82.09	31.14	11.68	10.36
#1	.0007	.0011	.0013	.0329	.0556	.0152	.1742
#2	-.0010	-.0003	-.0026	.0082	.0291	.0123	.2014
#3	.0003	.0009	-.0011	.0096	.0500	.0152	.1656

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0003	.0011	-.2315	.0015	.0038
SDev	.0003	.0003	.4446	.0021	.0002
%RSD	86.60	30.51	192.1	137.7	4.174
#1	.0004	.0012	-.7440	.0037	.0040
#2	.0000	.0015	-.0000	-.0005	.0037
#3	.0004	.0008	.0496	.0014	.0037

Method: ICAP3 Sample Name: CRI, 0784 Operator: DK
Run Time: 03/17/94 14:33:43
Comment: IL,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l

Avge	.2149	.3843	.0093	.0233	.1662	.2172	Q.0142
SDev	.0132	.0015	.0004	.0015	.0132	.0125	.0016
%RSD	6.150	.3962	3.894	6.576	7.973	5.744	10.96
#1	.2302	.3860	.0095	.0233	.1813	.2316	Q.0130
#2	.2082	.3830	.0088	.0248	.1604	.2111	Q.0160
#3	.2065	.3839	.0094	.0217	.1568	.2090	Q.0137
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.2208	.4021	.0108	.0210	.1600	.2014	.0220
Range	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0978	.0396	.0788	.2010	.2001	.4137	.0098
SDev	.0027	.0011	.0005	.0082	.0029	.0078	.0000
%RSD	2.786	2.710	.6292	4.094	1.429	1.880	.0050
#1	.0955	.0388	.0783	.1972	.2022	.4047	.0098
#2	.0972	.0392	.0790	.1955	.1968	.4174	.0098
#3	.1008	.0408	.0792	.2105	.2013	.4189	.0098
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.1043	.0412	.0882	.2086	.2101	.4069	.0101
Range	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0009	.0246	.0190	.1115	1.994	9.994	9.913
SDev	.0007	.0003	.0027	.0096	.005	.015	.020
%RSD	76.38	1.170	14.17	8.575	.2537	.1456	.1988
#1	-.0015	.0243	.0208	.1060	1.990	10.01	9.920
#2	-.0001	.0246	.0204	.1060	1.993	9.978	9.890
#3	-.0010	.0248	.0159	.1225	1.999	9.997	9.928
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.0249	.0203	.1017	2.031	10.29	10.29
Range		25.00	25.00	25.00	25.00	25.00	25.00
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	.0004	.0519	9.507	.1024	Q.0096		
SDev	.0000	.0013	.485	.0004	.0012		
%RSD	.0000	2.421	5.101	.4302	12.09		
#1	.0004	.0525	9.970	.1019	Q.0092		
#2	.0004	.0505	9.549	.1026	Q.0109		
#3	.0004	.0528	9.003	.1026	Q.0087		
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Fail		
Value		.0526		.1044	.0191		
Range		25.00		25.00	25.00		

Method: ICAP3 Sample Name: ICSA, 0775 Operator: DK

Run Time: 03/17/94 14:36:34
Comment: IF,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0012	.0017	-.0084	-.0068	.0005	.0072	-.0072
SDev	.0108	.0005	.0009	.0021	.0082	.0224	.0011
%RSD	868.1	30.14	10.29	30.43	1776.	310.7	15.78
#1	.0067	.0018	-.0076	-.0045	.0099	.0288	-.0082
#2	.0031	.0023	-.0083	-.0085	-.0036	-.0160	-.0075
#3	-.0135	.0012	-.0093	-.0072	-.0049	.0088	-.0060

Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.0027	.0173	-.0038	.0121	176.2	481.6	-.0001
SDev	.0027	.0010	.0055	.0134	1.2	3.7	.0000
%RSD	99.99	5.700	144.0	110.7	.6655	.7703	1.506
#1	.0053	.0184	-.0037	.0186	175.5	479.8	-.0000
#2	.0027	.0165	.0016	.0212	177.5	485.9	-.0001
#3	.0000	.0169	-.0093	-.0033	175.4	479.2	-.0001

Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	-.0028	-.0024	.0025	.0193	245.8	188.0	.0071
SDev	.0004	.0003	.0047	.0105	1.8	1.3	.0214
%RSD	15.79	14.62	187.7	54.27	.7195	.6964	302.8
#1	-.0033	-.0027	.0069	.0139	244.8	187.2	.0265
#2	-.0024	-.0021	.0031	.0314	247.8	189.5	-.0158
#3	-.0028	-.0023	-.0025	.0127	244.7	187.3	.0104

Elem	Sr4215	Co2286	K_7664	V_2924	B_1826
Units	mg/l	mg/l	mg/l	mg/l	ppm
Avge	.0069	-.0030	.0165	.0017	.1542
SDev	.0000	.0011	.5024	.0006	.0017
%RSD	.0000	36.53	3039.	36.85	1.089
#1	.0069	-.0018	.4216	.0010	.1548
#2	.0069	-.0037	.1736	.0019	.1554
#3	.0069	-.0037	-.5456	.0021	.1522

Method: ICAP3 Sample Name: ICSAB,0786 Operator: DK
Run Time: 03/17/94 14:39:38
Comment: IG,N7M3946
Mode: CONC Corr. Factor: 1

Elem	As1890	Ba4934	Cd2144	Cr2677	Pb2203	Se1960	Ag3280
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.9330	.4620	.8985	.4638	.9191	.9022	.9209
SDev	.0173	.0018	.0033	.0032	.0092	.0159	.0088
%RSD	1.856	.3898	.3673	.6935	1.003	1.767	.9522
#1	.9297	.4633	.8997	.4655	.9192	.8986	.9244
#2	.9176	.4599	.8947	.4601	.9098	.8884	.9109

#3	.9517	.4627	.9010	.4659	.9282	.9196	.9274
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.9315	.4713	.8736	.4618	.8833	.8850	.9232
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Cu3247	Zn2138	Ni2316	Tl1908	Fe	Al3082	Be3130
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.4545	.9316	.8793	.8724	173.0	479.4	.4690
SDev	.0090	.0071	.0164	.0155	.8	2.4	.0022
%RSD	1.986	.7589	1.862	1.780	.4596	.4955	.4595
#1	.4497	.9325	.8730	.8705	173.3	480.2	.4698
#2	.4488	.9241	.8671	.8579	172.1	476.7	.4666
#3	.4649	.9381	.8979	.8888	173.6	481.2	.4706
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.4719	.9233	.8724	.8636	172.1	481.4	.4648
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Ti3349	Mn2576	Mo2020	Sb2068	Mg2790	Ca3179	Na5889
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Avge	.8841	.4498	.9110	.9648	503.0	230.7	1.025
SDev	.0049	.0022	.0067	.0456	2.7	1.1	.030
%RSD	.5560	.5013	.7397	4.725	.5280	.4555	2.894
#1	.8857	.4499	.9182	.9417	503.7	231.0	1.034
#2	.8786	.4474	.9048	.9353	500.1	229.5	.9914
#3	.8880	.4519	.9099	1.017	505.3	231.6	1.048
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.9123	.4063	.9210	.8952	490.4	226.7	.9625
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Elem	Sr4215	Co2286	K_7664	V_2924	B_1826		
Units	mg/l	mg/l	mg/l	mg/l	ppm		
Avge	.9257	.4383	.5374	.4517	1.057		
SDev	.0040	.0036	.4108	.0056	.008		
%RSD	.4275	.8155	76.44	1.248	.7386		
#1	.9280	.4366	Q.9673	.4500	1.058		
#2	.9211	.4358	Q.1488	.4471	1.049		
#3	.9280	.4424	.4960	.4580	1.065		
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass		
Value	.9516	.4323	.5666	.4458	1.083		
Range	20.00	20.00	20.00	20.00	20.00		

Element File: RAS.GEL Element: As Wavelength: 193.7
Date: 03/17/94 Time: 09:51 Slit: 0.70 L
Data File: A031794.DAT ID/Wt File: A031694.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 48

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As ID: CAL BLK Seq. No.: 00001 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 09:54
Peak Area (A-s): 0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.001

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 09:57
Peak Area (A-s): -0.001 Peak Height (A): 0.022
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.001

Mean Pk Area (A-s): -0.000 SD: 0.0014 RSD(%): 1367.07

Auto-zero performed.

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As ID: STD 1 IN0781 Seq. No.: 00002 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 33 from 0, 5 from 39, 2 from 40
Replicate 1 (Peak Stored) Time: 10:01
Peak Area (A-s): 0.037 Peak Height (A): 0.117
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.037

uL dispensed: 33 from 0, 5 from 39, 2 from 40
Replicate 2 (Peak Stored) Time: 10:05
Peak Area (A-s): 0.043 Peak Height (A): 0.111
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.043

Mean Pk Area (A-s): 0.040 SD: 0.0045 RSD(%): 11.29

Standard number 1 applied. [4.00]
Correlation coefficient: 1.00000 Slope: 0.0100 Int: 0.000

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As ID: STD 2 Seq. No.: 00003 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 30 from 0, 5 from 39, 5 from 40
Replicate 1 (Peak Stored) Time: 10:08
Peak Area (A-s): 0.077 Peak Height (A): 0.236
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 7.70

uL dispensed: 30 from 0, 5 from 39, 5 from 40
Replicate 2 (Peak Stored) Time: 10:12
Peak Area (A-s): 0.081 Peak Height (A): 0.234
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.021
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Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 8.09

Mean Conc (ug/L): 7.90 SD: 0.274 RSD(%): 3.47

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99250 Slope: 0.0078 Int: 0.003

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As ID: STD 3 Seq. No.: 00004 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 25 from 0, 5 from 39, 10 from 40
Replicate 1 (Peak Stored) Time: 10:16
Peak Area (A-s): 0.160 Peak Height (A): 0.446
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 20.08

uL dispensed: 25 from 0, 5 from 39, 10 from 40
Replicate 2 (Peak Stored) Time: 10:20
Peak Area (A-s): 0.156 Peak Height (A): 0.440
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 19.62

Mean Conc (ug/L): 19.85 SD: 0.326 RSD(%): 1.64

Standard number 3 applied. [20.00]
Correlation coefficient: 0.99828 Slope: 0.0077 Int: 0.004

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As ID: STD 4 Seq. No.: 00005 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 20 from 0, 5 from 39, 15 from 40
Replicate 1 (Peak Stored) Time: 10:23
Peak Area (A-s): 0.239 Peak Height (A): 0.671
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.239
Concentration (ug/L): 30.37

uL dispensed: 20 from 0, 5 from 39, 15 from 40
Replicate 2 (Peak Stored) Time: 10:27
Peak Area (A-s): 0.229 Peak Height (A): 0.685
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.229
Concentration (ug/L): 29.17

Mean Conc (ug/L): 29.77 SD: 0.845 RSD(%): 2.84

Standard number 4 applied. [30.00]
Correlation coefficient: 0.99932 Slope: 0.0077 Int: 0.004

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As ID: STD 5 Seq. No.: 00006 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 15 from 0, 5 from 39, 20 from 40
Replicate 1 (Peak Stored) Time: 10:31
Peak Area (A-s): 0.301 Peak Height (A): 0.846
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.057
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Blank Corrected Pk Area (A-s): 0.301
Concentration (ug/L): 38.68

uL dispensed: 15 from 0, 5 from 39, 20 from 40
Replicate 2 (Peak Stored) Time: 10:34
Peak Area (A-s): 0.308 Peak Height (A): 0.881
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.308
Concentration (ug/L): 39.55

Mean Conc (ug/L): 39.12 SD: 0.617 RSD(%): 1.58

Standard number 5 applied. [40.00]
Correlation coefficient: 0.99952 Slope: 0.0076 Int: 0.005

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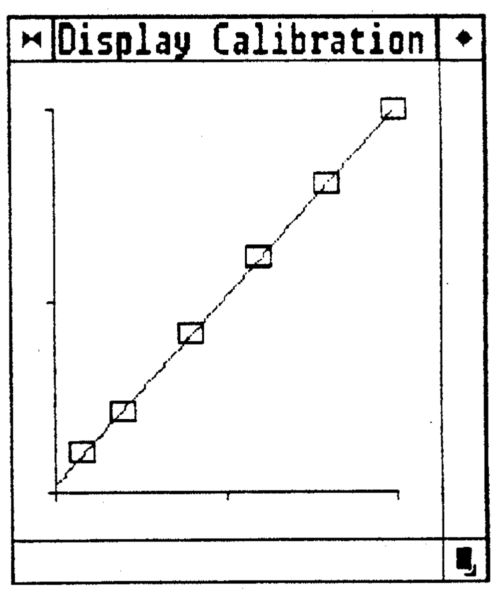
As ID: STD 6 Seq. No.: 00007 A/S Pos.: 40 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 40
Replicate 1 (Peak Stored) Time: 10:38
Peak Area (A-s): 0.375 Peak Height (A): 1.004
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.376
Concentration (ug/L): 49.00

uL dispensed: 10 from 0, 5 from 39, 25 from 40
Replicate 2 (Peak Stored) Time: 10:42
Peak Area (A-s): 0.381 Peak Height (A): 1.018
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.381
Concentration (ug/L): 49.77

Mean Conc (ug/L): 49.38 SD: 0.540 RSD(%): 1.09

Standard number 6 applied. [50.00]
Correlation coefficient: 0.99968 Slope: 0.0075 Int: 0.006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As ID: ICV-0788 Seq. No.: 00008 A/S Pos.: 37 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 37
Replicate 1 (Peak Stored) Time: 10:46
Peak Area (A-s): 0.266 Peak Height (A): 0.819
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.266
Concentration (ug/L): 34.71

uL dispensed: 10 from 0, 5 from 39, 25 from 37
Replicate 2 (Peak Stored) Time: 10:50
Peak Area (A-s): 0.201 Peak Height (A): 0.563
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.201
Concentration (ug/L): 26.11

Mean Conc (ug/L): 30.41 SD: 6.086 RSD(%): 20.01

SB 3-17-94 Automatic Review

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As ID: ICV-0788 Seq. No.: 00009 A/S Pos.: 37 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 37
Replicate 1 (Peak Stored) Time: 10:54
Peak Area (A-s): 0.264 Peak Height (A): 0.825
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.264
Concentration (ug/L): 34.41

uL dispensed: 10 from 0, 5 from 39, 25 from 37
Replicate 2 (Peak Stored) Time: 10:57
Peak Area (A-s): 0.267 Peak Height (A): 0.878
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.267
Concentration (ug/L): 34.90

Mean Conc (ug/L): 34.66 SD: 0.346 RSD(%): 1.00

QC sample is within range 29.5 - 36.1

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As ID: ICB Seq. No.: 00010 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 11:01
Peak Area (A-s): -0.006 Peak Height (A): 0.014
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.47

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 11:05
Peak Area (A-s): -0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.09

Mean Conc (ug/L): -1.28 SD: 0.264 RSD(%): 20.58
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QC sample is within range

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As ID: CRA-0789 Seq. No.: 00011 A/S Pos.: 36 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 36
Replicate 1 (Peak Stored) Time: 11:08
Peak Area (A-s): 0.090 Peak Height (A): 0.263
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 11.29

uL dispensed: 10 from 0, 5 from 39, 25 from 36
Replicate 2 (Peak Stored) Time: 11:12
Peak Area (A-s): 0.066 Peak Height (A): 0.182
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 8.11

Mean Conc (ug/L): 9.70 SD: 2.253 RSD(%): 23.22

SD 3-17-94 Automatic Rerun

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As ID: RA-0789 Seq. No.: 00012 A/S Pos.: 36 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 36
Replicate 1 (Peak Stored) Time: 11:18
Peak Area (A-s): 0.087 Peak Height (A): 0.275
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 10.82

uL dispensed: 10 from 0, 5 from 39, 25 from 36
Replicate 2 (Peak Stored) Time: 11:22
Peak Area (A-s): 0.097 Peak Height (A): 0.281
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 12.26

Mean Conc (ug/L): 11.54 SD: 1.024 RSD(%): 8.87

QC sample is within range 7.50 - 12.5

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As ID: PBL-N7R3945 Seq. No.: 00013 A/S Pos.: 1 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 1
Replicate 1 (Peak Stored) Time: 11:26
Peak Area (A-s): 0.006 Peak Height (A): 0.017
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.00

uL dispensed: 10 from 0, 5 from 39, 25 from 1
Replicate 2 (Peak Stored) Time: 11:30
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 0.35
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Mean Conc (ug/L): 0.18 Q SD: 0.246 RSD(%): 139.96 **0158**

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As ID: PBL-N7R3945 Seq. No.: 00014 A/S Pos.: 1 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 1
Replicate 1 (Peak Stored) Time: 11:33
Peak Area (A-s): 0.147 Peak Height (A): 0.410
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.147
Concentration (ug/L): 18.85

uL dispensed: 5 from 39, 10 from 40. 25 from 1
Replicate 2 (Peak Stored) Time: 11:37
Peak Area (A-s): 0.134 Peak Height (A): 0.405
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 17.07

Mean Conc (ug/L): 17.96 SD: 1.260 RSD(%): 7.02

Recovery is 88.9%

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As ID: LCSL-N7R3945 Seq. No.: 00015 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 1 (Peak Stored) Time: 11:55
Peak Area (A-s): 0.112 Peak Height (A): 0.357
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 14.23

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 2 (Peak Stored) Time: 11:59
Peak Area (A-s): 0.153 Peak Height (A): 0.466
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.153
Concentration (ug/L): 19.67

Mean Conc (ug/L): 16.95 SD: 3.850 RSD(%): 22.72

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As ID: LCSL-N7R3945 Seq. No.: 00016 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 1 (Peak Stored) Time: 12:03
Peak Area (A-s): 0.094 Peak Height (A): 0.239
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 11.75

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 2 (Peak Stored) Time: 12:07
Peak Area (A-s): 0.155 Peak Height (A): 0.464
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 19.99

Set rerun check autosampler
DV 3/17
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Mean Conc (ug/L): 15.87 SD: 5.826 RSD(%): 36.72 **0159**

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As ID: LCSL-N7R3945 Seq. No.: 00017 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 1 (Peak Stored) Time: 12:13
Peak Area (A-s): 0.157 Peak Height (A): 0.486
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 20.18

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 2 (Peak Stored) Time: 12:17
Peak Area (A-s): 0.157 Peak Height (A): 0.495
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 20.19

Mean Conc (ug/L): 20.19 3-17-94 SD: 0.006 RSD(%): 0.03

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As ID: LCSL-N7R3945 Seq. No.: 00018 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 1 (Peak Stored) Time: 12:20
Peak Area (A-s): 0.175 Peak Height (A): 0.454
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 22.56

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 2 (Peak Stored) Time: 12:24
Peak Area (A-s): 0.290 Peak Height (A): 0.774
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.290
Concentration (ug/L): 37.87

Mean Conc (ug/L): 30.22 SD: 10.831 RSD(%): 35.84

Recovery is 50.1% (outside of specified limits)

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As ID: LCSL-N7R3945 Seq. No.: 00019 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 1 (Peak Stored) Time: 12:28
Peak Area (A-s): 0.291 Peak Height (A): 0.807
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.291
Concentration (ug/L): 38.06

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 2 (Peak Stored) Time: 12:32
Peak Area (A-s): 0.179 Peak Height (A): 0.446
Background Pk Area (A-s): 0.103 Background Pk Height (A): 0.125
Blank Corrected Pk Area (A-s): 0.179
Concentration (ug/L): 23.14

See run DL
Suspect mtx interference
~~~~~~

Mean Conc (ug/L): 30.60 SD: 10.545 RSD(%): 34.46

Recovery is 52.1% (outside of specified limits)

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As ID: CCV-0787 Seq. No.: 00020 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 12:41
Peak Area (A-s): 0.168 Peak Height (A): 0.440
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.169
Concentration (ug/L): 21.73

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 12:44
Peak Area (A-s): 0.174 Peak Height (A): 0.505
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.174
Concentration (ug/L): 22.47

Mean Conc (ug/L): 22.10 SD: 0.528 RSD(%): 2.39

QC sample is within range 18.4 - 22.6

~~~~~~

As ID: CCB Seq. No.: 00021 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 12:48
Peak Area (A-s): 0.007 Peak Height (A): 0.014
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.23

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 12:52
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.55

Mean Conc (ug/L): -0.16 SD: 0.550 RSD(%): 340.45

QC sample is within range

~~~~~~

As ID: LCSL-N7R3945 Seq. No.: 00022 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 1 (Peak Stored) Time: 12:56
Peak Area (A-s): 0.160 Peak Height (A): 0.485
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 20.58

uL dispensed: 10 from 0, 5 from 39, 25 from 2
Replicate 2 (Peak Stored) Time: 12:59
Peak Area (A-s): 0.151 Peak Height (A): 0.472
~~~~~~

Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 19.46

Mean Conc (ug/L): 20.02Q SD: 0.792 RSD(%): 3.96

~~~~~~

As ID: LCSL-N7R3945 Seq. No.: 00023 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 1 (Peak Stored) Time: 13:03
Peak Area (A-s): 0.182 Peak Height (A): 0.450
Background Pk Area (A-s): 0.091 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.182
Concentration (ug/L): 23.51

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 2 (Peak Stored) Time: 13:07
Peak Area (A-s): 0.293 Peak Height (A): 0.801
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.293
Concentration (ug/L): 38.34

Mean Conc (ug/L): 30.93 SD: 10.488 RSD(%): 33.91 / See rerun ↓ DC

Recovery is 54.5% (outside of specified limits)

~~~~~~

As ID: LCSL-N7R3945 Seq. No.: 00024 A/S Pos.: 2 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 1 (Peak Stored) Time: 13:11
Peak Area (A-s): 0.288 Peak Height (A): 0.825
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.288
Concentration (ug/L): 37.62

uL dispensed: 5 from 39, 10 from 40, 25 from 2
Replicate 2 (Peak Stored) Time: 13:15
Peak Area (A-s): 0.296 Peak Height (A): 0.822
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.296
Concentration (ug/L): 38.77

Mean Conc (ug/L): 38.20 SD: 0.816 RSD(%): 2.14

Recovery is 90.9%

~~~~~~

As ID: 7SM-JM4362 MTXS Seq. No.: 00025 A/S Pos.: 3 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 3
Replicate 1 (Peak Stored) Time: 13:18
Peak Area (A-s): 0.166 Peak Height (A): 0.372
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 21.44

uL dispensed: 10 from 0, 5 from 39, 25 from 3
~~~~~~

Replicate 2 (Peak Stored) Time: 13:22
Peak Area (A-s): 0.157 Peak Height (A): 0.395
Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.157
Concentration (ug/L): 20.15

Mean Conc (ug/L): 20.80 Q SD: 0.912 RSD(%): 4.38

~~~~~~

As ID: 7SD-JM4362 MTXR Seq. No.: 00026 A/S Pos.: 4 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 4
Replicate 1 (Peak Stored) Time: 13:26
Peak Area (A-s): 0.111 Peak Height (A): 0.266
Background Pk Area (A-s): 0.252 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.111
Concentration (ug/L): 14.11

uL dispensed: 10 from 0, 5 from 39, 25 from 4
Replicate 2 (Peak Stored) Time: 13:30
Peak Area (A-s): 0.156 Peak Height (A): 0.377
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.156
Concentration (ug/L): 20.04

Mean Conc (ug/L): 17.08 Q SD: 4.197 RSD(%): 24.58 KSL

~~~~~~

As ID: 7SD-JM4362 MTXR Seq. No.: 00027 A/S Pos.: 4 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 4
Replicate 1 (Peak Stored) Time: 13:34
Peak Area (A-s): 0.102 Peak Height (A): 0.220
Background Pk Area (A-s): 0.354 Background Pk Height (A): 0.182
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 12.83

uL dispensed: 10 from 0, 5 from 39, 25 from 4
Replicate 2 (Peak Stored) Time: 13:38
Peak Area (A-s): 0.154 Peak Height (A): 0.370
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.154
Concentration (ug/L): 19.83

Mean Conc (ug/L): 16.33 SD: 4.950 RSD(%): 30.32

mix int
use 1st run
DLL
3/7/9

~~~~~~

As ID: 7XX-JM4362 SS42 Seq. No.: 00028 A/S Pos.: 5 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 5
Replicate 1 (Peak Stored) Time: 13:41
Peak Area (A-s): 0.000 Peak Height (A): 0.016
Background Pk Area (A-s): 0.309 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.70

uL dispensed: 10 from 0, 5 from 39, 25 from 5
Replicate 2 (Peak Stored) Time: 13:45
Peak Area (A-s): 0.001 Peak Height (A): 0.014
~~~~~~

Background Pk Area (A-s): 0.317 Background Pk Height (A): 0.164
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.65

Mean Conc (ug/L): -0.67Q SD: 0.040 RSD(%): 5.89

~~~~~~

As ID: 7XX-JM4362 SS42 Seq. No.: 00029 A/S Pos.: 5 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 5
Replicate 1 (Peak Stored) Time: 13:49
Peak Area (A-s): 0.086 Peak Height (A): 0.202
Background Pk Area (A-s): 0.463 Background Pk Height (A): 0.302
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 10.78

uL dispensed: 5 from 39, 10 from 40, 25 from 5
Replicate 2 (Peak Stored) Time: 13:53
Peak Area (A-s): 0.100 Peak Height (A): 0.230
Background Pk Area (A-s): 0.328 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 12.54

Mean Conc (ug/L): 11.66 SD: 1.246 RSD(%): 10.68

Recovery is ~~61.7%~~ 58.0% (outside of specified limits)
SB 3-17-94

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As ID: 7XX-JM4362 DUP Seq. No.: 00030 A/S Pos.: 6 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 6
Replicate 1 (Peak Stored) Time: 13:57
Peak Area (A-s): -0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.93

uL dispensed: 10 from 0, 5 from 39, 25 from 6
Replicate 2 (Peak Stored) Time: 14:00
Peak Area (A-s): 0.002 Peak Height (A): 0.015
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.45

Mean Conc (ug/L): -0.69 Q SD: 0.344 RSD(%): 49.82

~~~~~~

As ID: 7XX-JM4362 DUP Seq. No.: 00031 A/S Pos.: 6 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 6
Replicate 1 (Peak Stored) Time: 14:04
Peak Area (A-s): 0.143 Peak Height (A): 0.342
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.143
Concentration (ug/L): 18.32

uL dispensed: 5 from 39, 10 from 40, 25 from 6
Replicate 2 (Peak Stored) Time: 14:08
Peak Area (A-s): 0.097 Peak Height (A): 0.226
~~~~~~

Background Pk Area (A-s): 0.308 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 12.20

Mean Conc (ug/L): 15.26 SD: 4.324 RSD(%): 28.33

Recovery is ~~79.7%~~ 76.3% (outside of specified limits)
SD 3-17-94

SD 3-17-94 Automatic Rerun

As ID: 7XX-JM4362 DUP Seq. No.: 00032 A/S Pos.: 6 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 6
Replicate 1 (Peak Stored) Time: 14:12
Peak Area (A-s): 0.091 Peak Height (A): 0.201
Background Pk Area (A-s): 0.439 Background Pk Height (A): 0.274
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 11.42

uL dispensed: 5 from 39, 10 from 40, 25 from 6
Replicate 2 (Peak Stored) Time: 14:16
Peak Area (A-s): 0.100 Peak Height (A): 0.230
Background Pk Area (A-s): 0.307 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 12.62

Mean Conc (ug/L): 12.02 SD: 0.850 RSD(%): 7.07

Recovery is ~~83.8%~~ 60.1% (outside of specified limits)
SD 3-17-94

As ID: CCV-0787 Seq. No.: 00033 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 14:19
Peak Area (A-s): 0.176 Peak Height (A): 0.504
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.176
Concentration (ug/L): 22.74

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 14:23
Peak Area (A-s): 0.180 Peak Height (A): 0.537
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.180
Concentration (ug/L): 23.29

Mean Conc (ug/L): 23.02 SD: 0.393 RSD(%): 1.71

QC sample is out of range 18.4 - 22.6

Replaced CCV w/fresh & reran

As ID: CCV-0787 Seq. No.: 00035 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 14:29
Peak Area (A-s): 0.161 Peak Height (A): 0.493
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 20.77

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 14:33
Peak Area (A-s): 0.162 Peak Height (A): 0.493
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 20.92

Mean Conc (ug/L): 20.85 SD: 0.106 RSD(%): 0.51

QC sample is within range 18.4 - 22.6

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As ID: CCB Seq. No.: 00036 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 14:36
Peak Area (A-s): 0.009 Peak Height (A): 0.015
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 0.43

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 14:40
Peak Area (A-s): 0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.44

Mean Conc (ug/L): -0.00 SD: 0.613 RSD(%): 13188.03

QC sample is within range

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As ID: 7XX-JM4353 SS33 Seq. No.: 00037 A/S Pos.: 7 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 7
Replicate 1 (Peak Stored) Time: 14:44
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.53

uL dispensed: 10 from 0, 5 from 39, 25 from 7
Replicate 2 (Peak Stored) Time: 14:47
Peak Area (A-s): -0.003 Peak Height (A): 0.014
Background Pk Area (A-s): 0.103 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.17

Mean Conc (ug/L): -0.85 Q SD: 0.450 RSD(%): 52.95

~~~~~~

As ID: 7XX-JM4353 SS33 Seq. No.: 00038 A/S Pos.: 7 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 7
Replicate 1 (Peak Stored) Time: 14:51
Peak Area (A-s): 0.142 Peak Height (A): 0.308
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.142
~~~~~~

Concentration (ug/L): 18.23

uL dispensed: 5 from 39, 10 from 40, 25 from 7
Replicate 2 (Peak Stored) Time: 14:55
Peak Area (A-s): 0.132 Peak Height (A): 0.283
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 16.82

Mean Conc (ug/L): 17.52 SD: 0.992 RSD(%): 5.66

Recovery is ~~91.9%~~ 87.6%
SB 3-17-94

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As ID: 7XX-JM4354 SS34 Seq. No.: 00039 A/S Pos.: 8 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 8
Replicate 1 (Peak Stored) Time: 14:59
Peak Area (A-s): -0.001 Peak Height (A): 0.016
Background Pk Area (A-s): 0.097 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.91

W

uL dispensed: 10 from 0, 5 from 39, 25 from 8
Replicate 2 (Peak Stored) Time: 15:02
Peak Area (A-s): 0.005 Peak Height (A): 0.016
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.01

Mean Conc (ug/L): -0.46 Q SD: 0.630 RSD(%): 136.91

~~~~~~

As ID: 7XX-JM4354 SS34 Seq. No.: 00040 A/S Pos.: 8 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 8
Replicate 1 (Peak Stored) Time: 15:06
Peak Area (A-s): 0.124 Peak Height (A): 0.283
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 15.85

uL dispensed: 5 from 39, 10 from 40, 25 from 8
Replicate 2 (Peak Stored) Time: 15:10
Peak Area (A-s): 0.138 Peak Height (A): 0.299
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 17.67

Mean Conc (ug/L): 16.76 SD: 1.288 RSD(%): 7.69

Recovery is ~~86.1%~~ 83.8%
SB 3-17-94

~~~~~~

As ID: 7XX-JM4355 SS35 Seq. No.: 00041 A/S Pos.: 9 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 9
Replicate 1 (Peak Stored) Time: 15:14
Peak Area (A-s): 0.003 Peak Height (A): 0.016
~~~~~~

Background Pk Area (A-s): 0.123 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.35

uL dispensed: 10 from 0, 5 from 39, 25 from 9
Replicate 2 (Peak Stored) Time: 15:17
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 0.26

Mean Conc (ug/L): -0.04Q SD: 0.430 RSD(%): 1020.65

~~~~~~

As ID: 7XX-JM4355 SS35 Seq. No.: 00042 A/S Pos.: 9 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 9
Replicate 1 (Peak Stored) Time: 15:21
Peak Area (A-s): 0.132 Peak Height (A): 0.287
Background Pk Area (A-s): 0.121 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 16.80

uL dispensed: 5 from 39, 10 from 40, 25 from 9
Replicate 2 (Peak Stored) Time: 15:25
Peak Area (A-s): 0.140 Peak Height (A): 0.287
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): 0.140
Concentration (ug/L): 17.94

Mean Conc (ug/L): 17.37 SD: 0.806 RSD(%): 4.64

Recovery is ~~87.1%~~ 86.9%
SB 3-17-94

~~~~~~

As ID: 7XX-JM4356 SS36 Seq. No.: 00043 A/S Pos.: 10 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 10
Replicate 1 (Peak Stored) Time: 15:29
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.101 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.08

uL dispensed: 10 from 0, 5 from 39, 25 from 10
Replicate 2 (Peak Stored) Time: 15:32
Peak Area (A-s): 0.007 Peak Height (A): 0.014
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.14

Mean Conc (ug/L): 0.11Q SD: 0.038 RSD(%): 34.07

~~~~~~

As ID: 7XX-JM4356 SS36 Seq. No.: 00044 A/S Pos.: 10 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 10
Replicate 1 (Peak Stored) Time: 15:36
Peak Area (A-s): 0.130 Peak Height (A): 0.300
~~~~~~

Background Pk Area (A-s): 0.104   Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.130
Concentration (ug/L): 16.63

uL dispensed: 5 from 39, 10 from 40, 25 from 10
Replicate 2 (Peak Stored)   Time: 15:40
Peak Area (A-s): 0.070   Peak Height (A): 0.153
Background Pk Area (A-s): 0.508   Background Pk Height (A): 0.371
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 8.58

Mean Conc (ug/L): 12.61   SD: 5.696   RSD(%): 45.18

SB 3-17-9 Automatic Rerun

Recovery is 62.5% (outside of specified limits)

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As ID: 7XX-JM4356 SS36 Seq. No.: 00045 A/S Pos.: 10 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 10
Replicate 1 (Peak Stored)   Time: 15:43
Peak Area (A-s): 0.135   Peak Height (A): 0.286
Background Pk Area (A-s): 0.114   Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 17.28

uL dispensed: 5 from 39, 10 from 40, 25 from 10
Replicate 2 (Peak Stored)   Time: 15:47
Peak Area (A-s): 0.135   Peak Height (A): 0.290
Background Pk Area (A-s): 0.104   Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 17.27

Mean Conc (ug/L): 17.27   SD: 0.005   RSD(%): 0.03

Recovery is 85.8%

~~~~~~

As ID: 7XX-JM4357 SS37 Seq. No.: 00046 A/S Pos.: 11 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 11
Replicate 1 (Peak Stored)   Time: 15:51
Peak Area (A-s): 0.007   Peak Height (A): 0.015
Background Pk Area (A-s): 0.091   Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.25

W

uL dispensed: 10 from 0, 5 from 39, 25 from 11
Replicate 2 (Peak Stored)   Time: 15:55
Peak Area (A-s): 0.001   Peak Height (A): 0.013
Background Pk Area (A-s): 0.090   Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.65

Mean Conc (ug/L): -0.20 Q   SD: 0.636   RSD(%): 317.66

~~~~~~

As ID: 7XX-JM4357 SS37 Seq. No.: 00047 A/S Pos.: 11 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 11
~~~~~~

Replicate 1 (Peak Stored) Time: 15:58
Peak Area (A-s): 0.088 Peak Height (A): 0.196
Background Pk Area (A-s): 0.383 Background Pk Height (A): 0.234
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 10.97

uL dispensed: 5 from 39, 10 from 40, 25 from 11
Replicate 2 (Peak Stored) Time: 16:02
Peak Area (A-s): 0.075 Peak Height (A): 0.168
Background Pk Area (A-s): 0.321 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 9.25

Mean Conc (ug/L): 10.11 SD: 1.215 RSD(%): 12.02

Recovery is ~~51.5%~~ 50.6% (outside of specified limits)

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As ID: CCV-0787 Seq. No.: 00048 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 16:06
Peak Area (A-s): 0.159 Peak Height (A): 0.496
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.159
Concentration (ug/L): 20.45

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 16:09
Peak Area (A-s): 0.163 Peak Height (A): 0.502
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 21.05

Mean Conc (ug/L): 20.75 SD: 0.426 RSD(%): 2.05

QC sample is within range 18.4 - 22.6

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As ID: CCB Seq. No.: 00049 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 16:13
Peak Area (A-s): 0.005 Peak Height (A): 0.015
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): -0.00

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 16:17
Peak Area (A-s): -0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.83

Mean Conc (ug/L): -0.42 SD: 0.582 RSD(%): 140.22

QC sample is within range

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As ID: 7XX-JM4358 SS38 Seq. No.: 00050 A/S Pos.: 12 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 12
Replicate 1 (Peak Stored) Time: 16:20
Peak Area (A-s): 0.010 Peak Height (A): 0.016
Background Pk Area (A-s): 0.117 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 0.65

uL dispensed: 10 from 0, 5 from 39, 25 from 12 W
Replicate 2 (Peak Stored) Time: 16:24
Peak Area (A-s): 0.005 Peak Height (A): 0.016
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.02

Mean Conc (ug/L): 0.31 Q SD: 0.478 RSD(%): 152.25

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As ID: 7XX-JM4358 SS38 Seq. No.: 00051 A/S Pos.: 12 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 12
Replicate 1 (Peak Stored) Time: 16:28
Peak Area (A-s): 0.135 Peak Height (A): 0.303
Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.073
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 17.23

uL dispensed: 5 from 39, 10 from 40, 25 from 12
Replicate 2 (Peak Stored) Time: 16:31
Peak Area (A-s): 0.135 Peak Height (A): 0.297
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 17.25

$\frac{17.24 - 0}{20} =$

Mean Conc (ug/L): 17.24 SD: 0.017 RSD(%): 0.10

Recovery is ~~81.6%~~ ~~(outside~~ of specified limits) 86.2 OK RLS 3/25/94

~~~~~~

As ID: 7XX-JM4359 SS39 Seq. No.: 00052 A/S Pos.: 13 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 13
Replicate 1 (Peak Stored) Time: 16:35
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.17

uL dispensed: 10 from 0, 5 from 39, 25 from 13 W
Replicate 2 (Peak Stored) Time: 16:39
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.309 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.07

Mean Conc (ug/L): -0.05 Q SD: 0.170 RSD(%): 329.37
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As ID: 7XX-JM4359 SS39 Seq. No.: 00053 A/S Pos.: 13 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 13
Replicate 1 (Peak Stored) Time: 16:42
Peak Area (A-s): 0.109 Peak Height (A): 0.217
Background Pk Area (A-s): 0.315 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.109
Concentration (ug/L): 13.80

uL dispensed: 5 from 39, 10 from 40, 25 from 13
Replicate 2 (Peak Stored) Time: 16:46
Peak Area (A-s): 0.090 Peak Height (A): 0.216
Background Pk Area (A-s): 0.357 Background Pk Height (A): 0.141
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 11.32

Mean Conc (ug/L): 12.56 SD: 1.753 RSD(%): 13.96

Recovery is ~~63.0%~~ 62.8% (outside of specified limits)

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As ID: 7XX-JM4360 SS40 Seq. No.: 00054 A/S Pos.: 14 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 14
Replicate 1 (Peak Stored) Time: 16:50
Peak Area (A-s): 0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.32

W

uL dispensed: 10 from 0, 5 from 39, 25 from 14
Replicate 2 (Peak Stored) Time: 16:53
Peak Area (A-s): 0.009 Peak Height (A): 0.013
Background Pk Area (A-s): 0.386 Background Pk Height (A): 0.236
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 0.43

Mean Conc (ug/L): 0.05Q SD: 0.529 RSD(%): 992.91

~~~~~~

As ID: 7XX-JM4360 SS40 Seq. No.: 00055 A/S Pos.: 14 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 14
Replicate 1 (Peak Stored) Time: 16:57
Peak Area (A-s): 0.085 Peak Height (A): 0.183
Background Pk Area (A-s): 0.433 Background Pk Height (A): 0.262
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 10.64

uL dispensed: 5 from 39, 10 from 40, 25 from 14
Replicate 2 (Peak Stored) Time: 17:01
Peak Area (A-s): 0.142 Peak Height (A): 0.299
Background Pk Area (A-s): 0.121 Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.142
Concentration (ug/L): 18.16

Mean Conc (ug/L): 14.40 SD: 5.319 RSD(%): 36.94

Automatic Rerun
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Recovery is 71.7% (outside of specified limits)

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As ID: 7XX-JM4360 SS40 Seq. No.: 00056 A/S Pos.: 14 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 14
Replicate 1 (Peak Stored) Time: 17:05
Peak Area (A-s): 0.138 Peak Height (A): 0.288
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.138
Concentration (ug/L): 17.63

uL dispensed: 5 from 39, 10 from 40, 25 from 14
Replicate 2 (Peak Stored) Time: 17:08
Peak Area (A-s): 0.082 Peak Height (A): 0.172
Background Pk Area (A-s): 0.443 Background Pk Height (A): 0.271
Blank Corrected Pk Area (A-s): 0.082
Concentration (ug/L): 10.14

Mean Conc (ug/L): 13.88 SD: 5.297 RSD(%): 38.16

Recovery is 69.1% (outside of specified limits)

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As ID: 7XX-JM4361 SS41 Seq. No.: 00057 A/S Pos.: 15 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 15
Replicate 1 (Peak Stored) Time: 17:12
Peak Area (A-s): 0.010 Peak Height (A): 0.014
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 0.61

uL dispensed: 10 from 0, 5 from 39, 25 from 15
Replicate 2 (Peak Stored) Time: 17:16
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 0.33

Mean Conc (ug/L): 0.47 Q SD: 0.199 RSD(%): 42.11

~~~~~~

As ID: 7XX-JM4361 SS41 Seq. No.: 00058 A/S Pos.: 15 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 15
Replicate 1 (Peak Stored) Time: 17:19
Peak Area (A-s): 0.091 Peak Height (A): 0.188
Background Pk Area (A-s): 0.295 Background Pk Height (A): 0.169
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 11.37

uL dispensed: 5 from 39, 10 from 40, 25 from 15
Replicate 2 (Peak Stored) Time: 17:23
Peak Area (A-s): 0.084 Peak Height (A): 0.184
Background Pk Area (A-s): 0.309 Background Pk Height (A): 0.194
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 10.46
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Mean Conc (ug/L): 10.92 SD: 0.637 RSD(%): 5.84

Recovery is 52.2% (outside of specified limits)

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As ID: TCLP BLK 3945 Seq. No.: 00059 A/S Pos.: 16 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 16
Replicate 1 (Peak Stored) Time: 17:27
Peak Area (A-s): -0.002 Peak Height (A): 0.019
Background Pk Area (A-s): 0.206 Background Pk Height (A): 0.096
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.02

uL dispensed: 10 from 0, 5 from 39, 25 from 16
Replicate 2 (Peak Stored) Time: 17:30
Peak Area (A-s): -0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.317 Background Pk Height (A): 0.191
Blank Corrected Pk Area (A-s): -0.008
Concentration (ug/L): -1.78

Mean Conc (ug/L): -1.40 Q SD: 0.536 RSD(%): 38.39

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As ID: TCLP BLK 3945 Seq. No.: 00060 A/S Pos.: 16 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 16
Replicate 1 (Peak Stored) Time: 17:34
Peak Area (A-s): 0.093 Peak Height (A): 0.211
Background Pk Area (A-s): 0.265 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 11.71

uL dispensed: 5 from 39, 10 from 40, 25 from 16
Replicate 2 (Peak Stored) Time: 17:38
Peak Area (A-s): 0.078 Peak Height (A): 0.195
Background Pk Area (A-s): 0.342 Background Pk Height (A): 0.208
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 9.65

Mean Conc (ug/L): 10.68 SD: 1.455 RSD(%): 13.62

Recovery is ~~60.1%~~ 53.4% (outside of specified limits)
SB 3-17-94

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As ID: CCV-0787 Seq. No.: 00061 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 17:41
Peak Area (A-s): 0.164 Peak Height (A): 0.484
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 21.10

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 17:45
Peak Area (A-s): 0.171 Peak Height (A): 0.518
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.172
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Concentration (ug/L): 22.12

Mean Conc (ug/L): 21.61 SD: 0.725 RSD(%): 3.35

QC sample is within range 18.4 - 22.6

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As ID: CCB Seq. No.: 00062 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 17:49
Peak Area (A-s): 0.002 Peak Height (A): 0.016
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.43

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 17:53
Peak Area (A-s): 0.005 Peak Height (A): 0.021
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.08

Mean Conc (ug/L): -0.25 SD: 0.249 RSD(%): 98.05

QC sample is within range

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As ID: PBL-N7R3948 Seq. No.: 00063 A/S Pos.: 17 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 17
Replicate 1 (Peak Stored) Time: 17:56
Peak Area (A-s): 0.005 Peak Height (A): 0.018
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.11

uL dispensed: 10 from 0, 5 from 39, 25 from 17
Replicate 2 (Peak Stored) Time: 18:00
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.04

Mean Conc (ug/L): -0.03 Q SD: 0.112 RSD(%): 325.39

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As ID: PBL-N7R3948 Seq. No.: 00064 A/S Pos.: 17 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 17
Replicate 1 (Peak Stored) Time: 18:04
Peak Area (A-s): 0.143 Peak Height (A): 0.422
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.143
Concentration (ug/L): 18.37

uL dispensed: 5 from 39, 10 from 40, 25 from 17
Replicate 2 (Peak Stored) Time: 18:07
Peak Area (A-s): 0.145 Peak Height (A): 0.422
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Background Pk Area (A-s): 0.023   Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.145
Concentration (ug/L): 18.60

Mean Conc (ug/L): 18.48   SD: 0.164   RSD(%): 0.89

Recovery is ~~92.6%~~ 92.4%
SB 3-17-94

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As   ID: LCSL-N7R3948   Seq. No.: 00065   A/S Pos.: 18   Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 18
Replicate 1 (Peak Stored)   Time: 18:11
Peak Area (A-s): 0.161   Peak Height (A): 0.498
Background Pk Area (A-s): 0.032   Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.161
Concentration (ug/L): 20.71

uL dispensed: 10 from 0, 5 from 39, 25 from 18
Replicate 2 (Peak Stored)   Time: 18:15
Peak Area (A-s): 0.164   Peak Height (A): 0.493
Background Pk Area (A-s): 0.033   Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.164
Concentration (ug/L): 21.15

Mean Conc (ug/L): 20.93 Q   SD: 0.304   RSD(%): 1.45

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As   ID: LCSL-N7R3948   Seq. No.: 00066   A/S Pos.: 18   Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 18
Replicate 1 (Peak Stored)   Time: 18:19
Peak Area (A-s): 0.305   Peak Height (A): 0.817
Background Pk Area (A-s): 0.032   Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.305
Concentration (ug/L): 39.96

uL dispensed: 5 from 39, 10 from 40, 25 from 18
Replicate 2 (Peak Stored)   Time: 18:22
Peak Area (A-s): 0.299   Peak Height (A): 0.826
Background Pk Area (A-s): 0.036   Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.299
Concentration (ug/L): 39.13

Mean Conc (ug/L): 39.54   SD: 0.583   RSD(%): 1.47

Recovery is 93.1%

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As   ID: 7SM-JM4369 MTXS   Seq. No.: 00067   A/S Pos.: 19   Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 19
Replicate 1 (Peak Stored)   Time: 18:26
Peak Area (A-s): 0.096   Peak Height (A): 0.196
Background Pk Area (A-s): 0.425   Background Pk Height (A): 0.226
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L): 12.11

uL dispensed: 10 from 0, 5 from 39, 25 from 19
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Replicate 2 (Peak Stored) Time: 18:30
Peak Area (A-s): 0.111 Peak Height (A): 0.206
Background Pk Area (A-s): 0.406 Background Pk Height (A): 0.203
Blank Corrected Pk Area (A-s): 0.111
Concentration (ug/L): 14.02

Mean Conc (ug/L): 13.07Q SD: 1.352 RSD(%): 10.35

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As ID: 7SD-JM4369 MTXR Seq. No.: 00068 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 20
Replicate 1 (Peak Stored) Time: 18:34
Peak Area (A-s): 0.104 Peak Height (A): 0.219
Background Pk Area (A-s): 0.414 Background Pk Height (A): 0.211
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 13.17

uL dispensed: 10 from 0, 5 from 39, 25 from 20
Replicate 2 (Peak Stored) Time: 18:37
Peak Area (A-s): 0.175 Peak Height (A): 0.389
Background Pk Area (A-s): 0.122 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.175
Concentration (ug/L): 22.54

Mean Conc (ug/L): 17.85 SD: 6.624 RSD(%): 37.10 SB 3-17-94 Automatic Rerun

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As ID: 7SD-JM4369 MTXR Seq. No.: 00069 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 20
Replicate 1 (Peak Stored) Time: 18:41
Peak Area (A-s): 0.107 Peak Height (A): 0.230
Background Pk Area (A-s): 0.405 Background Pk Height (A): 0.201
Blank Corrected Pk Area (A-s): 0.107
Concentration (ug/L): 13.57

uL dispensed: 10 from 0, 5 from 39, 25 from 20
Replicate 2 (Peak Stored) Time: 18:45
Peak Area (A-s): 0.096 Peak Height (A): 0.221
Background Pk Area (A-s): 0.408 Background Pk Height (A): 0.204
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 12.12

Mean Conc (ug/L): 12.85Q SD: 1.024 RSD(%): 7.97

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As ID: 7XX-JM4369 S11D Seq. No.: 00070 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 21
Replicate 1 (Peak Stored) Time: 18:49
Peak Area (A-s): 0.008 Peak Height (A): 0.017
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 0.34

uL dispensed: 10 from 0, 5 from 39, 25 from 21
Replicate 2 (Peak Stored) Time: 18:53
Peak Area (A-s): -0.001 Peak Height (A): 0.015

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Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.33

Mean Conc (ug/L): -0.29Q SD: 0.899 RSD(%): 306.52

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As ID: 7XX-JM4369 S11D Seq. No.: 00071 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 21
Replicate 1 (Peak Stored) Time: 18:56
Peak Area (A-s): 0.073 Peak Height (A): 0.171
Background Pk Area (A-s): 0.438 Background Pk Height (A): 0.232
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 8.99

uL dispensed: 5 from 39, 10 from 40, 25 from 21
Replicate 2 (Peak Stored) Time: 19:00
Peak Area (A-s): 0.087 Peak Height (A): 0.190
Background Pk Area (A-s): 0.423 Background Pk Height (A): 0.210
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 10.91

Mean Conc (ug/L): 9.95 SD: 1.358 RSD(%): 13.65

Recovery is ~~51.2%~~ 49.8% (outside of specified limits)
SB 3-17-94

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As ID: 7XX-JM4369 DUP Seq. No.: 00072 A/S Pos.: 22 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 22
Replicate 1 (Peak Stored) Time: 19:04
Peak Area (A-s): 0.007 Peak Height (A): 0.020
Background Pk Area (A-s): 0.365 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.22

uL dispensed: 10 from 0, 5 from 39, 25 from 22
Replicate 2 (Peak Stored) Time: 19:08
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.314 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.02

Mean Conc (ug/L): 0.12Q SD: 0.148 RSD(%): 122.99

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As ID: 7XX-JM4369 S11 Seq. No.: 00073 A/S Pos.: 22 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 22
Replicate 1 (Peak Stored) Time: 19:12
Peak Area (A-s): 0.091 Peak Height (A): 0.220
Background Pk Area (A-s): 0.440 Background Pk Height (A): 0.258
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 11.34

uL dispensed: 5 from 39, 10 from 40, 25 from 22
Replicate 2 (Peak Stored) Time: 19:15
Peak Area (A-s): 0.103 Peak Height (A): 0.231
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Background Pk Area (A-s): 0.338　　Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 13.30

Mean Conc (ug/L): 12.32　　SD: 1.383　　RSD(%): 11.22

Recovery is 61.0% (outside of specified limits)

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As　ID: CCV-0787　　Seq. No.: 00074　A/S Pos.: 38　Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored)　　Time: 19:19
Peak Area (A-s): 0.166　　Peak Height (A): 0.482
Background Pk Area (A-s): 0.041　　Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.166
Concentration (ug/L): 21.39

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored)　　Time: 19:23
Peak Area (A-s): 0.163　　Peak Height (A): 0.512
Background Pk Area (A-s): 0.035　　Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.163
Concentration (ug/L): 20.98

Mean Conc (ug/L): 21.18　　SD: 0.288　　RSD(%): 1.36

QC sample is within range 18.4 - 22.6

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As　ID: CCB　　Seq. No.: 00075　A/S Pos.: 0　Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored)　　Time: 19:27
Peak Area (A-s): -0.000　　Peak Height (A): 0.015
Background Pk Area (A-s): 0.032　　Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.76

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored)　　Time: 19:30
Peak Area (A-s): 0.000　　Peak Height (A): 0.010
Background Pk Area (A-s): 0.024　　Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.69

Mean Conc (ug/L): -0.72　　SD: 0.048　　RSD(%): 6.66

QC sample is within range

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As　ID: 7XX-JM4363 SS43　Seq. No.: 00076　A/S Pos.: 23　Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 23
Replicate 1 (Peak Stored)　　Time: 19:34
Peak Area (A-s): 0.001　　Peak Height (A): 0.015
Background Pk Area (A-s): 0.334　　Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.61
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uL dispensed: 10 from 0, 5 from 39, 25 from 23
Replicate 2 (Peak Stored) Time: 19:38
Peak Area (A-s): -0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.401 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.00

Mean Conc (ug/L): -0.81 Q SD: 0.270 RSD(%): 33.38

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As ID: 7XX-JM4363 SS43 Seq. No.: 00077 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 23
Replicate 1 (Peak Stored) Time: 19:42
Peak Area (A-s): 0.084 Peak Height (A): 0.183
Background Pk Area (A-s): 0.416 Background Pk Height (A): 0.236
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L): 10.40

uL dispensed: 5 from 39, 10 from 40, 25 from 23
Replicate 2 (Peak Stored) Time: 19:46
Peak Area (A-s): 0.097 Peak Height (A): 0.234
Background Pk Area (A-s): 0.275 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.098
Concentration (ug/L): 12.26

Mean Conc (ug/L): 11.33 SD: 1.317 RSD(%): 11.62

Recovery is ~~60.7%~~ 56.5% SB 3-17-94 (outside of specified limits)

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As ID: 7XX-JM4364 SS44 Seq. No.: 00078 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 24
Replicate 1 (Peak Stored) Time: 19:49
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.16

uL dispensed: 10 from 0, 5 from 39, 25 from 24
Replicate 2 (Peak Stored) Time: 19:53
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.104 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.01

Mean Conc (ug/L): 0.08 Q SD: 0.105 RSD(%): 128.31

~~~~~~

As ID: 7XX-JM4364 SS44 Seq. No.: 00079 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 24
Replicate 1 (Peak Stored) Time: 19:57
Peak Area (A-s): 0.097 Peak Height (A): 0.225
Background Pk Area (A-s): 0.307 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 12.20
~~~~~~

uL dispensed: 5 from 39, 10 from 40, 25 from 24
Replicate 2 (Peak Stored) Time: 20:01
Peak Area (A-s): 0.136 Peak Height (A): 0.330
Background Pk Area (A-s): 0.112 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.136
Concentration (ug/L): 17.36

Mean Conc (ug/L): 14.78 SD: 3.647 RSD(%): 24.68

SB 3-17-94 Automatic Review

Recovery is 73.5% (outside of specified limits)

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As ID: 7XX-JM4364 SS44 Seq. No.: 00080 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 24
Replicate 1 (Peak Stored) Time: 20:05
Peak Area (A-s): 0.093 Peak Height (A): 0.203
Background Pk Area (A-s): 0.345 Background Pk Height (A): 0.189
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 11.71

uL dispensed: 5 from 39, 10 from 40, 25 from 24
Replicate 2 (Peak Stored) Time: 20:08
Peak Area (A-s): 0.105 Peak Height (A): 0.255
Background Pk Area (A-s): 0.277 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 13.22

Mean Conc (ug/L): 12.46 SD: 1.069 RSD(%): 8.57

Recovery is 61.9% (outside of specified limits)

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As ID: 7XX-JM4365 SS45 Seq. No.: 00081 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 25
Replicate 1 (Peak Stored) Time: 20:12
Peak Area (A-s): -0.000 Peak Height (A): 0.015
Background Pk Area (A-s): 0.285 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.73

uL dispensed: 10 from 0, 5 from 39, 25 from 25
Replicate 2 (Peak Stored) Time: 20:16
Peak Area (A-s): 0.003 Peak Height (A): 0.019
Background Pk Area (A-s): 0.332 Background Pk Height (A): 0.145
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): -0.36

Mean Conc (ug/L): -0.55 Q SD: 0.264 RSD(%): 48.26

~~~~~~

As ID: 7XX-JM4365 SS45 Seq. No.: 00082 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 25
Replicate 1 (Peak Stored) Time: 20:20
Peak Area (A-s): 0.098 Peak Height (A): 0.225
Background Pk Area (A-s): 0.308 Background Pk Height (A): 0.125
Blank Corrected Pk Area (A-s): 0.098
~~~~~~

Concentration (ug/L): 12.28

uL dispensed: 5 from 39, 10 from 40, 25 from 25
Replicate 2 (Peak Stored) Time: 20:24
Peak Area (A-s): 0.145 Peak Height (A): 0.304
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.146
Concentration (ug/L): 18.66

Mean Conc (ug/L): 15.47 SD: 4.507 RSD(%): 29.14

Recovery is ~~80.1%~~ 77.4% (outside of specified limits)
SB 3-17-94

Automatic Rerun SB 3-17-94

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As ID: 7XX-JM4365 SS45 Seq. No.: 00083 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 25
Replicate 1 (Peak Stored) Time: 20:27
Peak Area (A-s): 0.094 Peak Height (A): 0.193
Background Pk Area (A-s): 0.358 Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 11.77

uL dispensed: 5 from 39, 10 from 40, 25 from 25
Replicate 2 (Peak Stored) Time: 20:31
Peak Area (A-s): 0.079 Peak Height (A): 0.169
Background Pk Area (A-s): 0.407 Background Pk Height (A): 0.244
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 9.75

Mean Conc (ug/L): 10.76 SD: 1.427 RSD(%): 13.26

Recovery is ~~56.5%~~ 53.8% (outside of specified limits)
SB 3-17-94

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As ID: 7XX-JM4366 SS46 Seq. No.: 00084 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 26
Replicate 1 (Peak Stored) Time: 20:35
Peak Area (A-s): 0.011 Peak Height (A): 0.015
Background Pk Area (A-s): 0.146 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 0.67

uL dispensed: 10 from 0, 5 from 39, 25 from 26
Replicate 2 (Peak Stored) Time: 20:39
Peak Area (A-s): 0.005 Peak Height (A): 0.017
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.02

Mean Conc (ug/L): 0.33 Q SD: 0.491 RSD(%): 151.10

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As ID: 7XX-JM4366 SS46 Seq. No.: 00085 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 26
Replicate 1 (Peak Stored) Time: 20:42
Peak Area (A-s): 0.094 Peak Height (A): 0.205
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Background Pk Area (A-s): 0.378        Background Pk Height (A): 0.186
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L  ): 11.79

uL dispensed: 5 from 39, 10 from 40, 25 from 26
Replicate  2 (Peak Stored)             Time: 20:46
Peak Area (A-s): 0.086                 Peak Height (A): 0.192
Background Pk Area (A-s): 0.434        Background Pk Height (A): 0.314
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L  ): 10.67

Mean Conc  (ug/L  ):      11.23        SD: 0.795              RSD(%): 7.08

Recovery is 54.5%  (outside of specified limits)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
As    ID: CCV-0787          Seq. No.: 00086    A/S Pos.: 38    Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate  1 (Peak Stored)             Time: 20:50
Peak Area (A-s): 0.171                 Peak Height (A): 0.462
Background Pk Area (A-s): 0.041        Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L  ): 22.04

uL dispensed: 10 from 0, 5 fr m 39, 25 from 38
Replicate  2 (Peak Stored)             Time: 20:54
Peak Area (A-s): 0.174                 Peak Height (A): 0.527
Background Pk Area (A-s): 0.034        Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.174
Concentration (ug/L  ): 22.42

Mean Conc  (ug/L  ):      22.23        SD: 0.268              RSD(%): 1.21

QC sample is within range 18.4 - 22.6
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
As    ID: CCB               Seq. No.: 00087    A/S Pos.: 0     Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate  1 (Peak Stored)             Time: 20:57
Peak Area (A-s): 0.008                 Peak Height (A): 0.018
Background Pk Area (A-s): 0.018        Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L  ): 0.28

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate  2 (Peak Stored)             Time: 21:01
Peak Area (A-s): 0.005                 Peak Height (A): 0.017
Background Pk Area (A-s): 0.019        Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L  ): -0.09

Mean Conc  (ug/L  ):       0.10        SD: 0.263              RSD(%): 270.13

QC sample is within range
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As ID: 7XX-JM4367 DS10 Seq. No.: 00088 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 27
Replicate 1 (Peak Stored) Time: 21:05
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.094
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.59

uL dispensed: 10 from 0, 5 from 39, 25 from 27
Replicate 2 (Peak Stored) Time: 21:08
Peak Area (A-s): 0.009 Peak Height (A): 0.024
Background Pk Area (A-s): 0.132 Background Pk Height (A): 0.097
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 0.47

W

Mean Conc (ug/L): -0.06 Q SD: 0.750 RSD(%): 1331.68

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As ID: 7XX-JM4367 DS10 Seq. No.: 00089 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 27
Replicate 1 (Peak Stored) Time: 21:12
Peak Area (A-s): 0.094 Peak Height (A): 0.215
Background Pk Area (A-s): 0.364 Background Pk Height (A): 0.149
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 11.73

uL dispensed: 5 from 39, 10 from 40, 25 from 27
Replicate 2 (Peak Stored) Time: 21:16
Peak Area (A-s): 0.144 Peak Height (A): 0.341
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.102
Blank Corrected Pk Area (A-s): 0.144
Concentration (ug/L): 18.52

Mean Conc (ug/L): 15.12 SD: 4.796 RSD(%): 31.71

Recovery is ~~75.9%~~ 75.6% SB 3-17-94 (outside of specified limits)

Automat Rerun SB 3-17

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As ID: 7XX-JM4367 DS10 Seq. No.: 00090 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 27
Replicate 1 (Peak Stored) Time: 21:20
Peak Area (A-s): 0.144 Peak Height (A): 0.340
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.144
Concentration (ug/L): 18.44

uL dispensed: 5 from 39, 10 from 40, 25 from 27
Replicate 2 (Peak Stored) Time: 21:23
Peak Area (A-s): 0.097 Peak Height (A): 0.224
Background Pk Area (A-s): 0.285 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 12.23

Mean Conc (ug/L): 15.33 SD: 4.389 RSD(%): 28.62
~~~~~~

76.7%
Recovery is ~~77.0%~~ (outside of specified limits)
SD 3-17-94

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As ID: 7XX-JM4368 DS11 Seq. No.: 00091 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 28
Replicate 1 (Peak Stored) Time: 21:27
Peak Area (A-s): 0.001 Peak Height (A): 0.017
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.59

uL dispensed: 10 from 0, 5 from 39, 25 from 28
Replicate 2 (Peak Stored) Time: 21:31
Peak Area (A-s): -0.000 Peak Height (A): 0.017
Background Pk Area (A-s): 0.384 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.77

Mean Conc (ug/L): -0.68 Q SD: 0.122 RSD(%): 17.96

~~~~~~

As ID: 7XX-JM4368 DS11 Seq. No.: 00092 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 28
Replicate 1 (Peak Stored) Time: 21:35
Peak Area (A-s): 0.094 Peak Height (A): 0.207
Background Pk Area (A-s): 0.354 Background Pk Height (A): 0.181
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 11.85

uL dispensed: 5 from 39, 10 from 40, 25 from 28
Replicate 2 (Peak Stored) Time: 21:38
Peak Area (A-s): 0.082 Peak Height (A): 0.186
Background Pk Area (A-s): 0.356 Background Pk Height (A): 0.175
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 10.25

Mean Conc (ug/L): 11.05 SD: 1.129 RSD(%): 10.22

55.3%
Recovery is ~~58.7%~~ (outside of specified limits)

~~~~~~

As ID: TCLP BLK 3948 Seq. No.: 00093 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 29
Replicate 1 (Peak Stored) Time: 21:42
Peak Area (A-s): 0.007 Peak Height (A): 0.021
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.22

uL dispensed: 10 from 0, 5 from 39, 25 from 29
Replicate 2 (Peak Stored) Time: 21:46
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.23
~~~~~~

Mean Conc (ug/L): -0.01 Q SD: 0.318 RSD(%): 3513.09

~~~~~~

As ID: TCLP BLK 3948 Seq. No.: 00094 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 29
Replicate 1 (Peak Stored) Time: 21:49
Peak Area (A-s): 0.149 Peak Height (A): 0.361
Background Pk Area (A-s): 0.081 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 19.18

uL dispensed: 5 from 39, 10 from 40, 25 from 29
Replicate 2 (Peak Stored) Time: 21:53
Peak Area (A-s): 0.091 Peak Height (A): 0.198
Background Pk Area (A-s): 0.292 Background Pk Height (A): 0.158
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 11.43

Mean Conc (ug/L): 15.31 SD: 5.477 RSD(%): 35.78

Automatic Rerun SB 3-17-94

Recovery is ~~76.6%~~ 76.6% SB 3-17-94 (outside of specified limits)

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As ID: TCLP BLK 3948 Seq. No.: 00095 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 40, 25 from 29
Replicate 1 (Peak Stored) Time: 21:57
Peak Area (A-s): 0.139 Peak Height (A): 0.354
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 17.77

uL dispensed: 5 from 39, 10 from 40, 25 from 29
Replicate 2 (Peak Stored) Time: 22:00
Peak Area (A-s): 0.075 Peak Height (A): 0.176
Background Pk Area (A-s): 0.345 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 9.21

Mean Conc (ug/L): 13.49 SD: 6.051 RSD(%): 44.86

Recovery is ~~67.5%~~ 67.5% SB 3-17-94 (outside of specified limits)

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As ID: CCV-0787 Seq. No.: 00096 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 1 (Peak Stored) Time: 22:04
Peak Area (A-s): 0.172 Peak Height (A): 0.480
Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.172
Concentration (ug/L): 22.17

uL dispensed: 10 from 0, 5 from 39, 25 from 38
Replicate 2 (Peak Stored) Time: 22:08
Peak Area (A-s): 0.165 Peak Height (A): 0.523
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.166
~~~~~~

Concentration (ug/L): 21.33

Mean Conc (ug/L): 21.75 SD: 0.600 RSD(%): 2.76

QC sample is within range 18.4 - 22.6

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As ID: CCB Seq. No.: 00097 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 1 (Peak Stored) Time: 22:12
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.018
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): -0.22

uL dispensed: 10 from 0, 5 from 39, 25 from 0
Replicate 2 (Peak Stored) Time: 22:15
Peak Area (A-s): 0.005 Peak Height (A): 0.016
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): -0.06

Mean Conc (ug/L): -0.14 SD: 0.114 RSD(%): 83.95

QC sample is within range
~~~~~~

Element File: PBSBB.GEL
Element: Pb
Print Data: Main+Suppl.
Print: Calib. Curve+Elem. Params.

Analyst: SBB
Peak Storage: 1 Repl./Sample

INSTRUMENT: 4100 ZL
Wavelength: 283.3 Peak
Signal Type: Zeeman AA
Read Time: 5.0
Sample Replicates: 2
Standard Replicates: 2

Technique: HGA
Version: 7.20
Slit: 0.70 Low
Signal Measurement: Peak Area
Read Delay: 0.0
BOC Time: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	CAL BLANK	----------	0	20	4	4	
Standard 1	STD 1 IN-0805	3.00	32	20	4	4	
Standard 2	STD 2 IN-0804	10.00	33	20	4	4	
Standard 3	STD 3 IN-0803	25.00	34	20	4	4	
Standard 4	STD 4 IN-0802	50.00	35	20	4	4	
Samples	----------	----------	--------	20	4	4	

Diluent Location: 0
Modifier #1 Location: 39
Modifier #2 Location:
Calibration Units: ug/L
Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	125	5	50	250		Norm
2	140	5	20	250		Norm
3	800	10	20	250		Norm
4	1600	0	5	0	*	Norm
5	2400	1	2	250		Norm

Injection Temp: 80
Pipette Speed: 100%
Extraction System: On

SEQUENCE:

Step	Action and Parameters
1	Pipet diluent + modifier 1 + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Autozero Only
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After 1 Rep
Alternate Sample Volumes (uL): 5
Run Alternate Volume Blanks: No

If %RSD > 15.0 and Concentration > 3.0 then Retry 1 times
Check %RSD on: Samples + Standards + Spikes + QC Samples

Recovery Measurements:
4 uL of 100 ug/L Standard at Location 40 Gives 20.00 ug/L
Measure Recovery on Samples: 1-2,5-11,14-23,26-35
Add to QC Samples: No
% Recovery Limits: 85 to 115

QC:

#	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	37	1CV-0791	31.8	38.8				
2	0	1CB						
3	38	CCV-0790	19.1	23.3	X	X	X	
4	0	CCB			X	X	X	
5	36	CRA-0792	2.25	3.75			X	

Run Periodic QC Samples: Every 10

Out of Limit Action: Print Message Only

Matrix Check Calculations:

% Difference for Dupls: No Locations:

% Recovery for Spike: No Locations: Conc: 20 ug/L

```
-----------------------------------------------------------------------------
Element File: PBSBB.GEL        Element: Pb                    Wavelength: 283.3
Date: 03/16/94                 Time: 13:00                    Slit: 0.70 L
Data File: AL031694.DAT        ID/Wt File: AL031594.IDW       Lamp Current: 10
Technique: HGA                 Calib. Type: Linear            Energy: 66
-----------------------------------------------------------------------------
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pb    ID: CAL BLANK            Seq. No.: 00001    A/S Pos.: 0     Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate  1                              Time: 13:03
Peak Area (A-s): 0.004                    Peak Height (A): 0.010
Background Pk Area (A-s): 0.005           Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.004

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate  2 (Peak Stored)                Time: 13:06
Peak Area (A-s): 0.001                    Peak Height (A): 0.004
Background Pk Area (A-s): 0.004           Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001

Mean Pk Area (A-s):      0.003            SD: 0.0027                RSD(%): 104.94

Auto-zero performed.

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Pb    ID: STD 1 IN-0805        Seq. No.: 00002    A/S Pos.: 32    Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 32
Replicate  1                              Time: 13:09
Peak Area (A-s): 0.011                    Peak Height (A): 0.037
Background Pk Area (A-s): 0.009           Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.008

uL dispensed: 4 from 0, 4 from 39, 20 from 32
Replicate  2 (Peak Stored)                Time: 13:12
Peak Area (A-s): 0.008                    Peak Height (A): 0.027
Background Pk Area (A-s): 0.008           Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.006

Mean Pk Area (A-s):      0.007            SD: 0.0019                RSD(%): 26.50

Standard number 1 applied.  [3.00]
Correlation coefficient: 1.00000          Slope: 0.0024             Int: 0.000

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Pb    ID: STD 2 IN-0804        Seq. No.: 00003    A/S Pos.: 33    Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 33
Replicate  1                              Time: 13:15
Peak Area (A-s): 0.024                    Peak Height (A): 0.079
Background Pk Area (A-s): 0.012           Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L  ): 9.24

uL dispensed: 4 from 0, 4 from 39, 20 from 33
Replicate  2 (Peak Stored)                Time: 13:18
Peak Area (A-s): 0.025                    Peak Height (A): 0.080
```

Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 9.62

Mean Conc (ug/L): 9.43 SD: 0.271 RSD(%): 2.87

Standard number 2 applied. [10.00]
Correlation coefficient: 0.99980 Slope: 0.0022 Int: 0.000

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Pb ID: STD 3 1N-0803 Seq. No.: 00004 A/S Pos.: 34 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 34
Replicate 1 Time: 13:21
Peak Area (A-s): 0.060 Peak Height (A): 0.184
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 25.63

uL dispensed: 4 from 0, 4 from 39, 20 from 34
Replicate 2 (Peak Stored) Time: 13:24
Peak Area (A-s): 0.060 Peak Height (A): 0.192
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 25.94

Mean Conc (ug/L): 25.78 SD: 0.220 RSD(%): 0.85

Standard number 3 applied. [25.00]
Correlation coefficient: 0.99989 Slope: 0.0023 Int: -0.000

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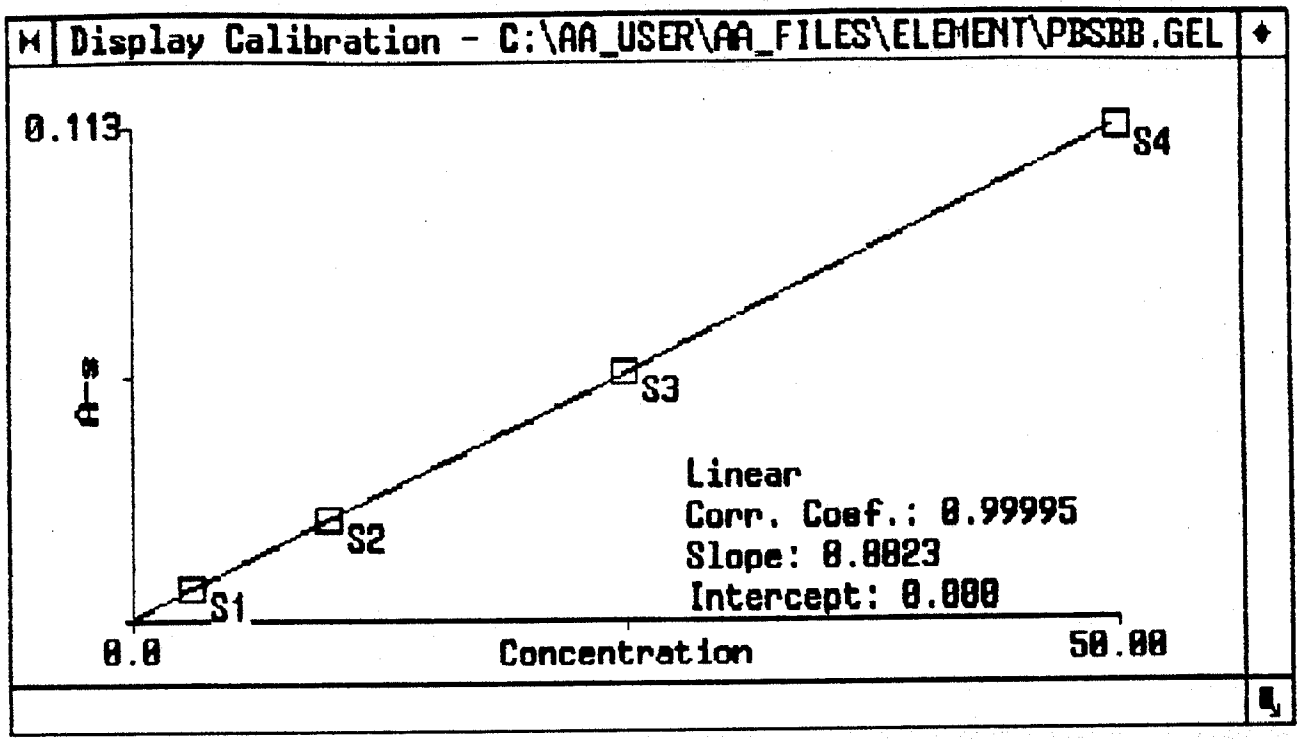
Pb ID: STD 4 1N-0802 Seq. No.: 00005 A/S Pos.: 35 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 35
Replicate 1 Time: 13:27
Peak Area (A-s): 0.115 Peak Height (A): 0.349
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 48.97

uL dispensed: 4 from 0, 4 from 39, 20 from 35
Replicate 2 (Peak Stored) Time: 13:31
Peak Area (A-s): 0.116 Peak Height (A): 0.357
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.114
Concentration (ug/L): 49.53

Mean Conc (ug/L): 49.25 SD: 0.399 RSD(%): 0.81

Standard number 4 applied. [50.00]
Correlation coefficient: 0.99995 Slope: 0.0023 Int: 0.000


Display Calibration - C:\AA_USER\AA_FILES\ELEMENT\PBSBB.GEL
0.113
Abs
S1
S2
S3
S4
Linear
Corr. Coef.: 0.99995
Slope: 0.0023
Intercept: 0.000
0.0
Concentration
50.00

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Pb ID: CCV-0790 Seq. No.: 00006 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38 VOID NO INJECTION SB 3-16-94

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Pb ID: ICV-0791 Seq. No.: 00007 A/S Pos.: 37 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 37
Replicate 1 Time: 14:38
Peak Area (A-s): 0.089 Peak Height (A): 0.261
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 38.07

uL dispensed: 4 from 0, 4 from 39, 20 from 37
Replicate 2 (Peak Stored) Time: 14:41
Peak Area (A-s): 0.090 Peak Height (A): 0.271
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 38.68

Mean Conc (ug/L): 38.38 SD: 0.426 RSD(%): 1.11

QC sample is within range 31.8 - 38.8

VOID SB 3-16-94 ICB contaminated Rerun check stds

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Pb ID: ICB Seq. No.: 00008 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 14:44
Peak Area (A-s): 0.015 Peak Height (A): 0.026
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.55

uL dispensed: 4 from 0, 4 from 39, 20 from 0

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Pb ID: ICV-0791 Seq. No.: 00009 A/S Pos.: 37 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 37
Replicate 1 Time: 14:50
Peak Area (A-s): 0.087 Peak Height (A): 0.240
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.085
Concentration (ug/L): 37.34

uL dispensed: 4 from 0, 4 from 39, 20 from 37
Replicate 2 (Peak Stored) Time: 14:53
Peak Area (A-s): 0.089 Peak Height (A): 0.231
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 37.93

Mean Conc (ug/L): 37.64 SD: 0.417 RSD(%): 1.11

QC sample is within range 31.8 - 38.8

~~~~~~

Pb ID: ICB Seq. No.: 00010 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 14:56
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.57

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 14:59
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.56

Mean Conc (ug/L): -1.56 SD: 0.010 RSD(%): 0.63

QC sample is within range

~~~~~~

Pb ID: CRA-0792 Seq. No.: 00011 A/S Pos.: 36 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 36
Replicate 1 Time: 15:02
Peak Area (A-s): 0.011 Peak Height (A): 0.043
Background Pk Area (A-s): 0.010 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.86

uL dispensed: 4 from 0, 4 from 39, 20 from 36
Replicate 2 (Peak Stored) Time: 15:06
Peak Area (A-s): 0.010 Peak Height (A): 0.038
Background Pk Area (A-s): 0.009 Background Pk Height (A): 0.010
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 3.34

Mean Conc (ug/L): 3.60 SD: 0.371 RSD(%): 10.31

QC sample is within range 2.25 - 3.75

~~~~~~

Pb ID: 7XX-JM4354 SS34 Seq. No.: 00012 A/S Pos.: 8 Date: 03/16/94

VOID

uL dispensed: 4 from 0, 4 from 39, 20 from 8

Autosampler set to wrong position

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Pb ID: PBL-N7R3945 Seq. No.: 00013 A/S Pos.: 1 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 1
Replicate 1 Time: 15:12
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.78

uL dispensed: 4 from 0, 4 from 39, 20 from 1
Replicate 2 (Peak Stored) Time: 15:15
Peak Area (A-s): 0.000 Peak Height (A): 0.004

Background Pk Area (A-s): 0.008   Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.09

Mean Conc (ug/L): -0.93   SD: 0.222   RSD(%): 23.85

~~~~~~

Pb   ID: PBL-N7R3945   Seq. No.: 00014   A/S Pos.: 1   Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 1
Replicate 1   Time: 15:18
Peak Area (A-s): 0.051   Peak Height (A): 0.163
Background Pk Area (A-s): 0.015   Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.32

uL dispensed: 4 from 39, 4 from 40, 20 from 1
Replicate 2 (Peak Stored)   Time: 15:22
Peak Area (A-s): 0.049   Peak Height (A): 0.168
Background Pk Area (A-s): 0.016   Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.60

Mean Conc (ug/L): 20.96   SD: 0.508   RSD(%): 2.42

Recovery is 109.5%

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Pb   ID: LCSL-N7R3945   Seq. No.: 00015   A/S Pos.: 2   Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 2
Replicate 1   Time: 15:25
Peak Area (A-s): 0.052   Peak Height (A): 0.176
Background Pk Area (A-s): 0.018   Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.72

uL dispensed: 4 from 0, 4 from 39, 20 from 2
Replicate 2 (Peak Stored)   Time: 15:28
Peak Area (A-s): 0.050   Peak Height (A): 0.177
Background Pk Area (A-s): 0.019   Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 20.98

Mean Conc (ug/L): 21.35   SD: 0.527   RSD(%): 2.47

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Pb   ID: LCSL-N7R3945   Seq. No.: 00016   A/S Pos.: 2   Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 2
Replicate 1   Time: 15:31
Peak Area (A-s): 0.096   Peak Height (A): 0.325
Background Pk Area (A-s): 0.025   Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 41.19

uL dispensed: 4 from 39, 4 from 40, 20 from 2
Replicate 2 (Peak Stored)   Time: 15:34
Peak Area (A-s): 0.097   Peak Height (A): 0.316
~~~~~~

Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 41.64

Mean Conc (ug/L): 41.42 SD: 0.317 RSD(%): 0.77

Recovery is 100.3%

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Pb ID: 7SM-JM4362 MTXS Seq. No.: 00017 A/S Pos.: 3 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 1 Time: 15:37
Peak Area (A-s): 0.024 Peak Height (A): 0.036
Background Pk Area (A-s): 0.233 Background Pk Height (A): 0.202
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 9.27

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 2 (Peak Stored) Time: 15:41
Peak Area (A-s): 0.032 Peak Height (A): 0.039
Background Pk Area (A-s): 0.234 Background Pk Height (A): 0.181
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 12.90

Mean Conc (ug/L): 11.08 SD: 2.570 RSD(%): 23.19

Automatic Rerun SB 3-16-94

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Pb ID: 7SM-JM4362 MTXS Seq. No.: 00018 A/S Pos.: 3 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 1 Time: 15:44
Peak Area (A-s): 0.038 Peak Height (A): 0.060
Background Pk Area (A-s): 0.233 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 15.71

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 2 (Peak Stored) Time: 15:47
Peak Area (A-s): 0.036 Peak Height (A): 0.047
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.189
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 14.74

Mean Conc (ug/L): 15.23 SD: 0.686 RSD(%): 4.51

Rerun 5x due to sample matrix

~~~~~~

Pb ID: 7SD-JM4362 MTXR Seq. No.: 00019 A/S Pos.: 4 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 4
Replicate 1 Time: 15:50
Peak Area (A-s): 0.038 Peak Height (A): 0.055
Background Pk Area (A-s): 0.239 Background Pk Height (A): 0.194
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 15.38

uL dispensed: 4 from 0, 4 from 39, 20 from 4
Replicate 2 (Peak Stored) Time: 15:53
Peak Area (A-s): 0.038 Peak Height (A): 0.056
~~~~~~

Background Pk Area (A-s): 0.239 Background Pk Height (A): 0.188
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 15.50

Mean Conc (ug/L): 15.44 SD: 0.081 RSD(%): 0.52

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Pb ID: 7XX-JM4362 SS42 Seq. No.: 00020 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 5
Replicate 1 Time: 15:56
Peak Area (A-s): 0.013 Peak Height (A): 0.025
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.190
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.49

uL dispensed: 4 from 0, 4 from 39, 20 from 5
Replicate 2 (Peak Stored) Time: 16:00
Peak Area (A-s): 0.013 Peak Height (A): 0.022
Background Pk Area (A-s): 0.238 Background Pk Height (A): 0.197
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.47

Mean Conc (ug/L): 4.48 SD: 0.013 RSD(%): 0.28

SB 3-16-94 Rerun 5x due to sample matrix

VOID

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Pb ID: 7XX-JM4362 SS42 Seq. No.: 00021 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 5
Replicate 1 Time: 16:03
Peak Area (A-s): 0.028 Peak Height (A): 0.035
Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.177
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 11.25

uL dispensed: 4 from 39, 4 from 40, 20 from 5
Replicate 2 (Peak Stored) Time: 16:06
Peak Area (A-s): 0.030 Peak Height (A): 0.039
Background Pk Area (A-s): 0.215 Background Pk Height (A): 0.172
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 12.27

Mean Conc (ug/L): 11.76 SD: 0.724 RSD(%): 6.16

Recovery is 36.4% (outside of specified limits)

~~~~~~

Pb ID: 7XX-JM4362 DUP Seq. No.: 00022 A/S Pos.: 6 Date: 03/16/94

VOID

uL dispensed: 4 from 0, 4 from 39, 20 from 6 No Injection SB 3-16-94

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Pb ID: CCV-0790 Seq. No.: 00023 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 16:14
Peak Area (A-s): 0.056 Peak Height (A): 0.191
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 23.58

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 16:17
Peak Area (A-s): 0.058 Peak Height (A): 0.200
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 24.50

Carryover due to matrix Bake Tube + Rerun ↓

Mean Conc (ug/L): 24.04 SD: 0.649 RSD(%): 2.70

QC sample is out of range 19.1 - 23.3

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Pb ID: CCB VOID Seq. No.: 00024 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0 NO Injection SD 3-16-94

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Pb ID: CCV-0790 Seq. No.: 00025 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 16:24
Peak Area (A-s): 0.048 Peak Height (A): 0.169
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 20.04

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 16:27
Peak Area (A-s): 0.049 Peak Height (A): 0.136
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 20.27

Mean Conc (ug/L): 20.16 SD: 0.165 RSD(%): 0.82

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00026 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 16:30
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.27

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 16:33
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.45

Mean Conc (ug/L): -1.36 SD: 0.127 RSD(%): 9.31

QC sample is within range
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Pb ID: 7SM-JM4362 MTXS Seq. No.: 00027 A/S Pos.: 3 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 1 Time: 16:36
Peak Area (A-s): 0.018 Peak Height (A): 0.054
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 6.84 Corrected Conc (ug/L): 34.2

uL dispensed: 4 from 0, 4 from 39, 20 from 3
Replicate 2 (Peak Stored) Time: 16:39
Peak Area (A-s): 0.018 Peak Height (A): 0.036
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.174
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 6.90 Corrected Conc (ug/L): 34.5

Mean Conc (ug/L): 6.87 Q SD: 0.040 RSD(%): 0.58
Corrected Conc (ug/L): 34.3

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Pb ID: 7SD-JM4362 MTXR Seq. No.: 00028 A/S Pos.: 4 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 4
Replicate 1 Time: 16:43
Peak Area (A-s): 0.017 Peak Height (A): 0.049
Background Pk Area (A-s): 0.204 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 6.51 Corrected Conc (ug/L): 32.6

uL dispensed: 4 from 0, 4 from 39, 20 from 4
Replicate 2 (Peak Stored) Time: 16:46
Peak Area (A-s): 0.017 Peak Height (A): 0.045
Background Pk Area (A-s): 0.200 Background Pk Height (A): 0.211
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 6.36 Corrected Conc (ug/L): 31.8

Mean Conc (ug/L): 6.43 Q SD: 0.107 RSD(%): 1.66
Corrected Conc (ug/L): 32.2

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Pb ID: 7XX-JM4362 SS42 Seq. No.: 00029 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 5
Replicate 1 Time: 16:49
Peak Area (A-s): 0.008 Peak Height (A): 0.019
Background Pk Area (A-s): 0.196 Background Pk Height (A): 0.196
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.23 Corrected Conc (ug/L): 11.2

uL dispensed: 4 from 0, 4 from 39, 20 from 5
Replicate 2 (Peak Stored) Time: 16:52
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.196 Background Pk Height (A): 0.198
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.20 Corrected Conc (ug/L): 11.0

Mean Conc (ug/L): 2.22 Q SD: 0.018 RSD(%): 0.83
Corrected Conc (ug/L): 11.1
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Pb ID: 7XX-JM4362 SS42 Seq. No.: 00030 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 5
Replicate 1 Time: 16:55
Peak Area (A-s): 0.057 Peak Height (A): 0.118
Background Pk Area (A-s): 0.171 Background Pk Height (A): 0.188
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 24.18 Corrected Conc (ug/L): 120.9

uL dispensed: 4 from 39, 4 from 40, 20 from 5
Replicate 2 (Peak Stored) Time: 16:58
Peak Area (A-s): 0.060 Peak Height (A): 0.135
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.203
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 25.28 Corrected Conc (ug/L): 126.4

Mean Conc (ug/L): 24.73 SD: 0.775 RSD(%): 3.13
Corrected Conc (ug/L): 123.6

Recovery is 112.6%

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Pb ID: 7XX-JM4362 DUP Seq. No.: 00031 A/S Pos.: 6 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 6
Replicate 1 Time: 17:02
Peak Area (A-s): 0.011 Peak Height (A): 0.034
Background Pk Area (A-s): 0.200 Background Pk Height (A): 0.196
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.72 Corrected Conc (ug/L): 18.6

uL dispensed: 4 from 0, 4 from 39, 20 from 6
Replicate 2 (Peak Stored) Time: 17:05
Peak Area (A-s): 0.012 Peak Height (A): 0.034
Background Pk Area (A-s): 0.199 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.97 Corrected Conc (ug/L): 19.8

Mean Conc (ug/L): 3.84 Q SD: 0.173 RSD(%): 4.51
Corrected Conc (ug/L): 19.2

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Pb ID: 7XX-JM4362 DUP Seq. No.: 00032 A/S Pos.: 6 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 6
Replicate 1 Time: 17:08
Peak Area (A-s): 0.061 Peak Height (A): 0.150
Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.198
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 25.93 Corrected Conc (ug/L): 129.6

uL dispensed: 4 from 39, 4 from 40, 20 from 6
Replicate 2 (Peak Stored) Time: 17:11
Peak Area (A-s): 0.063 Peak Height (A): 0.165
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.216
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 26.53 Corrected Conc (ug/L): 132.6
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Mean Conc (ug/L): 26.23 SD: 0.423 RSD(%): 1.61
Corrected Conc (ug/L): 131.1

Recovery is 111.9%

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Pb ID: 7XX-JM4353 SS33 Seq. No.: 00033 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 7
Replicate 1 Time: 17:14
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.250 Background Pk Height (A): 0.208
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.36

uL dispensed: 4 from 0, 4 from 39, 20 from 7
Replicate 2 (Peak Stored) Time: 17:17
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.257 Background Pk Height (A): 0.208
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.73

SB 3-16-94
Rerun 5x
due to
matrix

Mean Conc (ug/L): -0.55 SD: 0.262 RSD(%): 47.93

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Pb ID: 7XX-JM4353 SS33 Seq. No.: 00034 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 7
Replicate 1 Time: 17:20
Peak Area (A-s): 0.015 Peak Height (A): 0.020
Background Pk Area (A-s): 0.229 Background Pk Height (A): 0.189
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.37

uL dispensed: 4 from 39, 4 from 40, 20 from 7
Replicate 2 (Peak Stored) Time: 17:24
Peak Area (A-s): 0.013 Peak Height (A): 0.019
Background Pk Area (A-s): 0.230 Background Pk Height (A): 0.190
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.44

Mean Conc (ug/L): 4.91 SD: 0.661 RSD(%): 13.47

Recovery is 27.3% (outside of specified limits)

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Pb ID: CCV-0790 Seq. No.: 00035 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 17:28
Peak Area (A-s): 0.049 Peak Height (A): 0.185
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.60

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 17:31
Peak Area (A-s): 0.050 Peak Height (A): 0.130
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.037
~~~~~~

Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.70

Mean Conc (ug/L): 20.65 SD: 0.064 RSD(%): 0.31

QC sample is within range 19.1 - 23.3

~~~~~~

Pb ID: CCB Seq. No.: 00036 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 17:34
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.11

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 17:37
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.76

Mean Conc (ug/L): -1.44 SD: 0.462 RSD(%): 32.20

QC sample is within range

~~~~~~

Pb ID: 7XX-JM4353 SS33 Seq. No.: 00037 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 7
Replicate 1 Time: 17:40
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.197 Background Pk Height (A): 0.204
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.10 Corrected Conc (ug/L): -0.5

uL dispensed: 4 from 0, 4 from 39, 20 from 7
Replicate 2 (Peak Stored) Time: 17:43
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.203 Background Pk Height (A): 0.209
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.45 Corrected Conc (ug/L): -2.3

Mean Conc (ug/L): -0.28 SD: 0.247 RSD(%): 89.08
Corrected Conc (ug/L): -1.4

~~~~~~

Pb ID: 7XX-JM4353 SS33 Seq. No.: 00038 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 7
Replicate 1 Time: 17:46
Peak Area (A-s): 0.054 Peak Height (A): 0.156
Background Pk Area (A-s): 0.182 Background Pk Height (A): 0.244
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 22.59 Corrected Conc (ug/L): 112.9

uL dispensed: 4 from 39, 4 from 40, 20 from 7
~~~~~~

Replicate 2 (Peak Stored) Time: 17:50
Peak Area (A-s): 0.052 Peak Height (A): 0.157
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.229
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.00 Corrected Conc (ug/L): 110.0

Mean Conc (ug/L): 22.29 SD: 0.420 RSD(%): 1.88
Corrected Conc (ug/L): 111.5

Recovery is 112.9%

~~~~~~

Pb ID: 7XX-JM4354 SS34 Seq. No.: 00039 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 8
Replicate 1 Time: 17:53
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.238 Background Pk Height (A): 0.239
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.47

uL dispensed: 4 from 0, 4 from 39, 20 from 8
Replicate 2 (Peak Stored) Time: 17:56
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.239 Background Pk Height (A): 0.229
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.45

Mean Conc (ug/L): -0.46 SD: 0.016 RSD(%): 3.49

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due to
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Pb ID: 7XX-JM4354 SS34 Seq. No.: 00040 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 8
Replicate 1 Time: 17:59
Peak Area (A-s): 0.015 Peak Height (A): 0.020
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.196
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.37

uL dispensed: 4 from 39, 4 from 40, 20 from 8
Replicate 2 (Peak Stored) Time: 18:02
Peak Area (A-s): 0.015 Peak Height (A): 0.020
Background Pk Area (A-s): 0.210 Background Pk Height (A): 0.188
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.51

Mean Conc (ug/L): 5.44 SD: 0.100 RSD(%): 1.84

Recovery is 29.5% (outside of specified limits)

~~~~~~

Pb ID: 7XX-JM4354 SS34 Seq. No.: 00041 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 8
Replicate 1 Time: 18:06
Peak Area (A-s): 0.003 Peak Height (A): 0.018
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.204
~~~~~~

Concentration (ug/L): 0.25 Corrected Conc (ug/L): 1.3

W

uL dispensed: 4 from 0, 4 from 39, 20 from 8
Replicate 2 (Peak Stored) Time: 18:09
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.195 Background Pk Height (A): 0.204
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.52 Corrected Conc (ug/L): 2.6

Mean Conc (ug/L): 0.39Q SD: 0.187 RSD(%): 48.41
Corrected Conc (ug/L): 1.9

~~~~~~

Pb ID: 7XX-JM4354 SS34 Seq. No.: 00042 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 8
Replicate 1 Time: 18:12
Peak Area (A-s): 0.056 Peak Height (A): 0.146
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.226
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 23.41 Corrected Conc (ug/L): 117.1

uL dispensed: 4 from 39, 4 from 40, 20 from 8
Replicate 2 (Peak Stored) Time: 18:15
Peak Area (A-s): 0.057 Peak Height (A): 0.183
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.248
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 24.17 Corrected Conc (ug/L): 120.8

Mean Conc (ug/L): 23.79 SD: 0.534 RSD(%): 2.25
Corrected Conc (ug/L): 118.9

Recovery is 117.0% (outside of specified limits)

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Pb ID: 7XX-JM4355 SS35 Seq. No.: 00043 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 9
Replicate 1 Time: 18:18
Peak Area (A-s): 0.034 Peak Height (A): 0.059
Background Pk Area (A-s): 0.249 Background Pk Height (A): 0.249
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 14.02

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uL dispensed: 4 from 0, 4 from 39, 20 from 9
Replicate 2 (Peak Stored) Time: 18:21
Peak Area (A-s): 0.036 Peak Height (A): 0.076
Background Pk Area (A-s): 0.254 Background Pk Height (A): 0.247
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 14.72

Mean Conc (ug/L): 14.37 SD: 0.490 RSD(%): 3.41

~~~~~~

Pb ID: 7XX-JM4355 SS35 Seq. No.: 00044 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 9
Replicate 1 Time: 18:24
Peak Area (A-s): 0.034 Peak Height (A): 0.056
~~~~~~

Background Pk Area (A-s): 0.225 Background Pk Height (A): 0.214
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 13.69

uL dispensed: 4 from 39, 4 from 40, 20 from 9
Replicate 2 (Peak Stored) Time: 18:28
Peak Area (A-s): 0.033 Peak Height (A): 0.044
Background Pk Area (A-s): 0.214 Background Pk Height (A): 0.200
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 13.28

Mean Conc (ug/L): 13.49 SD: 0.289 RSD(%): 2.14

Recovery is -4.4% (outside of specified limits)

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Pb ID: 7XX-JM4356 SS36 Seq. No.: 00045 A/S Pos.: 10 Date: 03/16/94 VOID

uL dispensed: 4 from 0, 4 from 39, 20 from 10 NO INJECTION SB 3-16-94

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Pb ID: 7XX-JM4355 SS35 Seq. No.: 00046 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 9
Replicate 1 Time: 18:32
Peak Area (A-s): 0.013 Peak Height (A): 0.038
Background Pk Area (A-s): 0.092 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.42 Corrected Conc (ug/L): 44.2

uL dispensed: 4 from 0, 4 from 39, 20 from 9
Replicate 2 (Peak Stored) Time: 18:35
Peak Area (A-s): 0.011 Peak Height (A): 0.028
Background Pk Area (A-s): 0.096 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.87 Corrected Conc (ug/L): 38.7

Mean Conc (ug/L): 4.15 Q SD: 0.388 RSD(%): 9.35
Corrected Conc (ug/L): 41.5

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Pb ID: 7XX-JM4355 SS35 Seq. No.: 00047 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 9
Replicate 1 Time: 18:38
Peak Area (A-s): 0.060 Peak Height (A): 0.211
Background Pk Area (A-s): 0.105 Background Pk Height (A): 0.164
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 25.54 Corrected Conc (ug/L): 255.4

uL dispensed: 4 from 39, 4 from 40, 20 from 9
Replicate 2 (Peak Stored) Time: 18:41
Peak Area (A-s): 0.061 Peak Height (A): 0.219
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.170
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 25.62 Corrected Conc (ug/L): 256.2

Mean Conc (ug/L): 25.58 SD: 0.058 RSD(%): 0.23
Corrected Conc (ug/L): 255.8
~~~~~~

Recovery is 107.1%

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Pb ID: CCV-0790 Seq. No.: 00048 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 18:44
Peak Area (A-s): 0.051 Peak Height (A): 0.146
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.17

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 18:47
Peak Area (A-s): 0.051 Peak Height (A): 0.140
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.28

Mean Conc (ug/L): 21.23 SD: 0.077 RSD(%): 0.36

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00049 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 18:50
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.88

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 18:53
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.77

Mean Conc (ug/L): -1.32 SD: 0.628 RSD(%): 47.50

QC sample is within range

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Pb ID: 7XX-JM4356 SS36 Seq. No.: 00050 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 10
Replicate 1 Time: 18:56
Peak Area (A-s): 0.004 Peak Height (A): 0.008
Background Pk Area (A-s): 0.240 Background Pk Height (A): 0.276
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.43

uL dispensed: 4 from 0, 4 from 39, 20 from 10
Replicate 2 (Peak Stored) Time: 18:59
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.246 Background Pk Height (A): 0.261
Blank Corrected Pk Area (A-s): 0.002

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Rerun 5x
due to
matrix
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Concentration (ug/L): 0.72

Mean Conc (ug/L): 0.58 SD: 0.204 RSD(%): 35.22

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Pb ID: 7XX-JM4356 SS36 Seq. No.: 00051 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 10
Replicate 1 Time: 19:02
Peak Area (A-s): 0.015 Peak Height (A): 0.021
Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.220
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.52

uL dispensed: 4 from 39, 4 from 40, 20 from 10
Replicate 2 (Peak Stored) Time: 19:06
Peak Area (A-s): 0.017 Peak Height (A): 0.024
Background Pk Area (A-s): 0.220 Background Pk Height (A): 0.221
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 6.35

Mean Conc (ug/L): 5.94 SD: 0.583 RSD(%): 9.83

Recovery is 26.8% (outside of specified limits)

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Pb ID: 7XX-JM4356 SS36 Seq. No.: 00052 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 10
Replicate 1 Time: 19:09
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.40 Corrected Conc (ug/L): 2.0

uL dispensed: 4 from 0, 4 from 39, 20 from 10
Replicate 2 (Peak Stored) Time: 19:12
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.209
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.05 Corrected Conc (ug/L): 0.2

Mean Conc (ug/L): 0.22 SD: 0.251 RSD(%): 111.89
Corrected Conc (ug/L): 1.1

~~~~~~

Pb ID: 7XX-JM4356 SS36 Seq. No.: 00053 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 10
Replicate 1 Time: 19:15
Peak Area (A-s): 0.050 Peak Height (A): 0.149
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.08 Corrected Conc (ug/L): 105.4

uL dispensed: 4 from 39, 4 from 40, 20 from 10
Replicate 2 (Peak Stored) Time: 19:18
Peak Area (A-s): 0.054 Peak Height (A): 0.158
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.236
~~~~~~

Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.89 Corrected Conc (ug/L): 114.4

Mean Conc (ug/L): 21.98 SD: 1.280 RSD(%): 5.82
Corrected Conc (ug/L): 109.9

Recovery is 108.8%

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Pb ID: 7XX-JM4357 SS37 Seq. No.: 00054 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 11
Replicate 1 Time: 19:21
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.245 Background Pk Height (A): 0.311
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.14

uL dispensed: 4 from 0, 4 from 39, 20 from 11
Replicate 2 (Peak Stored) Time: 19:24
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.248 Background Pk Height (A): 0.291
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.67

Mean Conc (ug/L): -0.41 SD: 0.379 RSD(%): 93.19

SB 3-16-94 Rerun 5x due to matrix ↓

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Pb ID: 7XX-JM4357 SS37 Seq. No.: 00055 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 11
Replicate 1 Time: 19:27
Peak Area (A-s): 0.013 Peak Height (A): 0.025
Background Pk Area (A-s): 0.220 Background Pk Height (A): 0.228
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.47

uL dispensed: 4 from 39, 4 from 40, 20 from 11
Replicate 2 (Peak Stored) Time: 19:30
Peak Area (A-s): 0.013 Peak Height (A): 0.024
Background Pk Area (A-s): 0.221 Background Pk Height (A): 0.225
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.55

Mean Conc (ug/L): 4.51 SD: 0.063 RSD(%): 1.40

Recovery is 24.6% (outside of specified limits)

~~~~~~

Pb ID: 7XX-JM4357 SS37 Seq. No.: 00056 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 11
Replicate 1 Time: 19:34
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.164
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.58 Corrected Conc (ug/L): -2.9

uL dispensed: 4 from 0, 4 from 39, 20 from 11
~~~~~~

Replicate 2 (Peak Stored) Time: 19:37
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.176 Background Pk Height (A): 0.171
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.45 Corrected Conc (ug/L): -2.2

Mean Conc (ug/L): -0.52 SD: 0.095 RSD(%): 18.36
Corrected Conc (ug/L): -2.6

~~~~~~

Pb ID: 7XX-JM4357 SS37 Seq. No.: 00057 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 11
Replicate 1 Time: 19:40
Peak Area (A-s): 0.051 Peak Height (A): 0.137
Background Pk Area (A-s): 0.163 Background Pk Height (A): 0.207
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.54 Corrected Conc (ug/L): 107.7

uL dispensed: 4 from 39, 4 from 40, 20 from 11
Replicate 2 (Peak Stored) Time: 19:43
Peak Area (A-s): 0.057 Peak Height (A): 0.181
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.320
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 24.06 Corrected Conc (ug/L): 120.3

Mean Conc (ug/L): 22.80 SD: 1.778 RSD(%): 7.80
Corrected Conc (ug/L): 114.0

Recovery is 116.6% (outside of specified limits)

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Pb ID: 7XX-JM4358 SS38 Seq. No.: 00058 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 12
Replicate 1 Time: 19:46
Peak Area (A-s): 0.059 Peak Height (A): 0.125
Background Pk Area (A-s): 0.268 Background Pk Height (A): 0.286
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 24.80

uL dispensed: 4 from 0, 4 from 39, 20 from 12
Replicate 2 (Peak Stored) Time: 19:49
Peak Area (A-s): 0.067 Peak Height (A): 0.133
Background Pk Area (A-s): 0.274 Background Pk Height (A): 0.290
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 28.42

Mean Conc (ug/L): 26.61 SD: 2.554 RSD(%): 9.60

SB 3-16-94
Rerun 25x
due to matrix

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Pb ID: 7XX-JM4358 SS38 Seq. No.: 00059 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 12
Replicate 1 Time: 19:52
Peak Area (A-s): 0.060 Peak Height (A): 0.087
Background Pk Area (A-s): 0.244 Background Pk Height (A): 0.252
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 25.15
~~~~~~

uL dispensed: 4 from 39, 4 from 40, 20 from 12
Replicate 2 (Peak Stored) Time: 19:55
Peak Area (A-s): 0.063 Peak Height (A): 0.113
Background Pk Area (A-s): 0.248 Background Pk Height (A): 0.248
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 26.76

Mean Conc (ug/L): 25.95 SD: 1.134 RSD(%): 4.37

Recovery is -3.3% (outside of specified limits)

~~~~~~

Pb ID: CCV-0790 Seq. No.: 00060 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 20:00
Peak Area (A-s): 0.052 Peak Height (A): 0.147
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 21.98

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 20:03
Peak Area (A-s): 0.053 Peak Height (A): 0.184
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 22.40

Mean Conc (ug/L): 22.19 SD: 0.300 RSD(%): 1.35

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00061 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 20:06
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.71

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 20:09
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.15

Mean Conc (ug/L): -0.93 SD: 0.313 RSD(%): 33.72

QC sample is within range

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Pb ID: 7XX-JM4358 SS38 Seq. No.: 00062 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 12
Replicate 1 Time: 20:12
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Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.73 Corrected Conc (ug/L): 93.3

SB 3-16-94

uL dispensed: 4 from 0, 4 from 39, 20 from 12
Replicate 2 (Peak Stored) Time: 20:15
Peak Area (A-s): 0.011 Peak Height (A): 0.025
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.77 Corrected Conc (ug/L): 94.2

Mean Conc (ug/L): 3.75 Q SD: 0.027 RSD(%): 0.71
Corrected Conc (ug/L): 93.7

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Pb ID: 7XX-JM4358 SS38 Seq. No.: 00063 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 12
Replicate 1 Time: 20:18
Peak Area (A-s): 0.063 Peak Height (A): 0.184
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.086
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 26.59 Corrected Conc (ug/L): 664.7

uL dispensed: 4 from 39, 4 from 40, 20 from 12
Replicate 2 (Peak Stored) Time: 20:22
Peak Area (A-s): 0.063 Peak Height (A): 0.191
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 26.74 Corrected Conc (ug/L): 668.6

Mean Conc (ug/L): 26.67 SD: 0.111 RSD(%): 0.42
Corrected Conc (ug/L): 666.7

Recovery is 114.6%

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Pb ID: 7XX-JM4359 SS39 Seq. No.: 00064 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 1 Time: 20:25
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.265 Background Pk Height (A): 0.294
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.39

SB 3-16-94
Rerun 5x
due to
matrix

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 2 (Peak Stored) Time: 20:28
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.278 Background Pk Height (A): 0.322
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.77

Mean Conc (ug/L): 1.08 SD: 0.979 RSD(%): 90.66

~~~~~~

Pb ID: 7XX-JM4359 SS39 Seq. No.: 00065 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 13
~~~~~~

Replicate 1 Time: 20:31
Peak Area (A-s): 0.018 Peak Height (A): 0.024
Background Pk Area (A-s): 0.240 Background Pk Height (A): 0.253
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 6.79

uL dispensed: 4 from 39, 4 from 40, 20 from 13
Replicate 2 (Peak Stored) Time: 20:34
Peak Area (A-s): 0.015 Peak Height (A): 0.024
Background Pk Area (A-s): 0.236 Background Pk Height (A): 0.249
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.48

Mean Conc (ug/L): 6.13 SD: 0.925 RSD(%): 15.09

Recovery is 25.3% (outside of specified limits)

~~~~~~

Pb ID: 7XX-JM4359 SS39 Seq. No.: 00066 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 1 Time: 20:37
Peak Area (A-s): 0.010 Peak Height (A): 0.037
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.331
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 3.44 Corrected Conc (ug/L): 17.2

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 2 (Peak Stored) Time: 20:40
Peak Area (A-s): 0.009 Peak Height (A): 0.022
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.74 Corrected Conc (ug/L): 13.7

Mean Conc (ug/L): 3.09 SD: 0.494 RSD(%): 16.02
Corrected Conc (ug/L): 15.4

SB 3-16-94 Automatic Rerun

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Pb ID: 7XX-JM4359 SS39 Seq. No.: 00067 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 1 Time: 20:43
Peak Area (A-s): 0.007 Peak Height (A): 0.020
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.224
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.08 Corrected Conc (ug/L): 10.4

uL dispensed: 4 from 0, 4 from 39, 20 from 13
Replicate 2 (Peak Stored) Time: 20:46
Peak Area (A-s): 0.008 Peak Height (A): 0.022
Background Pk Area (A-s): 0.185 Background Pk Height (A): 0.214
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.22 Corrected Conc (ug/L): 11.1

Mean Conc (ug/L): 2.15Q SD: 0.101 RSD(%): 4.70
Corrected Conc (ug/L): 10.7

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Pb ID: 7XX-JM4359 SS39 Seq. No.: 00068 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 13
Replicate 1 Time: 20:49
Peak Area (A-s): 0.057 Peak Height (A): 0.193
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.289
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 24.20 Corrected Conc (ug/L): 121.0

uL dispensed: 4 from 39, 4 from 40, 20 from 13
Replicate 2 (Peak Stored) Time: 20:52
Peak Area (A-s): 0.060 Peak Height (A): 0.159
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.240
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 25.22 Corrected Conc (ug/L): 126.1

Mean Conc (ug/L): 24.71 SD: 0.721 RSD(%): 2.92
Corrected Conc (ug/L): 123.6

Recovery is 112.8%

~~~~~~

Pb ID: 7XX-JM4360 SS40 Seq. No.: 00069 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 14
Replicate 1 Time: 20:55
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.238 Background Pk Height (A): 0.279
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.19

uL dispensed: 4 from 0, 4 from 39, 20 from 14
Replicate 2 (Peak Stored) Time: 20:58
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.246 Background Pk Height (A): 0.271
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.39

Mean Conc (ug/L): -0.29 SD: 0.143 RSD(%): 49.16

SB 3-16-94 Rerun 5x due to matrix ↓

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Pb ID: 7XX-JM4360 SS40 Seq. No.: 00070 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 14
Replicate 1 Time: 21:01
Peak Area (A-s): 0.014 Peak Height (A): 0.026
Background Pk Area (A-s): 0.216 Background Pk Height (A): 0.246
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.14

uL dispensed: 4 from 39, 4 from 40, 20 from 14
Replicate 2 (Peak Stored) Time: 21:04
Peak Area (A-s): 0.015 Peak Height (A): 0.029
Background Pk Area (A-s): 0.215 Background Pk Height (A): 0.242
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.25

Mean Conc (ug/L): [illegible] SD: [illegible] RSD(%): [illegible]
~~~~~~

Recovery is 27.4% (outside of specified limits)

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Pb ID: 7XX-JM4360 SS40 Seq. No.: 00071 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 14 No Injection SB 3-16-94

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Pb ID: CCV-0790 Seq. No.: 00072 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 21:09
Peak Area (A-s): 0.055 Peak Height (A): 0.180
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.99

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 21:12
Peak Area (A-s): 0.053 Peak Height (A): 0.145
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.22

Mean Conc (ug/L): 22.61 SD: 0.545 RSD(%): 2.41

QC sample is within range 19.1 - 23.3

~~~~~~

Pb ID: CCB Seq. No.: 00073 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 21:15
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.28

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 21:18
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.36

Mean Conc (ug/L): -1.32 SD: 0.054 RSD(%): 4.12

QC sample is within range

~~~~~~

Pb ID: 7XX-JM4360 SS40 Seq. No.: 00074 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 14
Replicate 1 Time: 21:21
Peak Area (A-s): 0.004 Peak Height (A): 0.016
Background Pk Area (A-s): 0.171 Background Pk Height (A): 0.216
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.37 Corrected Conc (ug/L): 1.8

uL dispensed: 4 from 0, 4 from 39, 20 from 14

```
Replicate  2 (Peak Stored)                  Time: 21:24
Peak Area (A-s): 0.003                      Peak Height (A): 0.019
Background Pk Area (A-s): 0.184             Background Pk Height (A): 0.342
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L  ): 0.25                Corrected Conc (ug/L  ): 1.3

Mean Conc  (ug/L  ):        0.31Q           SD: 0.081              RSD(%): 26.25
Corrected Conc (ug/L  ): 1.6

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Pb    ID: 7XX-JM4360 SS40    Seq. No.: 00075    A/S Pos.: 14    Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 14
Replicate  1                                Time: 21:27
Peak Area (A-s): 0.059                      Peak Height (A): 0.182
Background Pk Area (A-s): 0.168             Background Pk Height (A): 0.326
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L  ): 25.06               Corrected Conc (ug/L  ): 125.3

uL dispensed: 4 from 39, 4 from 40, 20 from 14
Replicate  2 (Peak Stored)                  Time: 21:30
Peak Area (A-s): 0.052                      Peak Height (A): 0.189
Background Pk Area (A-s): 0.162             Background Pk Height (A): 0.336
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L  ): 21.63               Corrected Conc (ug/L  ): 108.1

Mean Conc  (ug/L  ):        23.35           SD: 2.431              RSD(%): 10.41
Corrected Conc (ug/L  ): 116.7

Recovery is 115.2%  (outside of specified limits)

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Pb    ID: 7XX-JM4361 SS41    Seq. No.: 00076    A/S Pos.: 15    Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate  1                                Time: 21:33
Peak Area (A-s): 0.091                      Peak Height (A): 0.272
Background Pk Area (A-s): 0.223             Background Pk Height (A): 0.230
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L  ): 38.81

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate  2 (Peak Stored)                  Time: 21:36
Peak Area (A-s): 0.091                      Peak Height (A): 0.215
Background Pk Area (A-s): 0.213             Background Pk Height (A): 0.231
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L  ): 38.95

Mean Conc  (ug/L  ):        38.88           SD: 0.096              RSD(%): 0.25
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SB 3-16-94
Rerun 25x10
due to
matrix
↓

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~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Pb    ID: 7XX-JM4361 SS41    Seq. No.: 00077    A/S Pos.: 15    Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 15
Replicate  1                                Time: 21:39
Peak Area (A-s): 0.087                      Peak Height (A): 0.202
Background Pk Area (A-s): 0.186             Background Pk Height (A): 0.219
Blank Corrected Pk Area (A-s): 0.084
Concentration (ug/L  ): 37.19
```

uL dispensed: 4 from 39, 4 from 40, 20 from 15
Replicate 2 (Peak Stored) Time: 21:42
Peak Area (A-s): 0.100 Peak Height (A): 0.255
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 42.92

Mean Conc (ug/L): 40.05 SD: 4.051 RSD(%): 10.12

Recovery is 5.9% (outside of specified limits)

~~~~~~

Pb ID: 7XX-JM4361 SS41 Seq. No.: 00078 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate 1 Time: 21:45
Peak Area (A-s): 0.006 Peak Height (A): 0.033
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.34 Corrected Conc (ug/L): 33.5

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate 2 (Peak Stored) Time: 21:49
Peak Area (A-s): 0.006 Peak Height (A): 0.029
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.32 Corrected Conc (ug/L): 33.1

Mean Conc (ug/L): 1.33 SD: 0.012 RSD(%): 0.91
Corrected Conc (ug/L): 33.3

VOID

SB 3-16-94
WRONG DILUTION (5x)
10x

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Pb ID: 7XX-JM4361 SS41 Seq. No.: 00079 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate 1 Time: 21:52
Peak Area (A-s): 0.011 Peak Height (A): 0.048
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.79 Corrected Conc (ug/L): 37.9

uL dispensed: 4 from 0, 4 from 39, 20 from 15
Replicate 2 (Peak Stored) Time: 21:55
Peak Area (A-s): 0.011 Peak Height (A): 0.023
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.69 Corrected Conc (ug/L): 36.9

Mean Conc (ug/L): 3.74 Q SD: 0.072 RSD(%): 1.91
Corrected Conc (ug/L): 37.4

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Pb ID: 7XX-JM4361 SS41 Seq. No.: 00080 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 15
Replicate 1 Time: 21:58
Peak Area (A-s): 0.060 Peak Height (A): 0.229
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.137
~~~~~~

Concentration (ug/L): 25.37 Corrected Conc (ug/L): 253.7

uL dispensed: 4 from 39, 4 from 40, 20 from 15
Replicate 2 (Peak Stored) Time: 22:01
Peak Area (A-s): 0.061 Peak Height (A): 0.238
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 25.58 Corrected Conc (ug/L): 255.8

Mean Conc (ug/L): 25.47 SD: 0.147 RSD(%): 0.58
Corrected Conc (ug/L): 254.7

Recovery is 108.7%

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Pb ID: TCLP BLK 3945 Seq. No.: 00081 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 16
Replicate 1 Time: 22:04
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.212 Background Pk Height (A): 0.257
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.83

uL dispensed: 4 from 0, 4 from 39, 20 from 16
Replicate 2 (Peak Stored) Time: 22:07
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.213 Background Pk Height (A): 0.252
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.14

SD 3-16-94 Rerun 5x for matrix ↓

Mean Conc (ug/L): 0.49 SD: 0.491 RSD(%): 101.14

~~~~~~

Pb ID: TCLP BLK 3945 Seq. No.: 00082 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 16
Replicate 1 Time: 22:10
Peak Area (A-s): 0.015 Peak Height (A): 0.036
Background Pk Area (A-s): 0.192 Background Pk Height (A): 0.242
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.61

uL dispensed: 4 from 39, 4 from 40, 20 from 16
Replicate 2 (Peak Stored) Time: 22:13
Peak Area (A-s): 0.015 Peak Height (A): 0.032
Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.249
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.35

~~AS SD 3-16-94~~ ~~SD~~ BLK not applicable.

Mean Conc (ug/L): 5.48 SD: 0.185 RSD(%): 3.38

Recovery is 25.0% (outside of specified limits)

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Pb ID: CCV-0790 Seq. No.: 00083 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 22:20
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Peak Area (A-s): 0.055 Peak Height (A): 0.162
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 22:23
Peak Area (A-s): 0.054 Peak Height (A): 0.146
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 22.56

Mean Conc (ug/L): 22.75 SD: 0.271 RSD(%): 1.19

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00084 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 22:26
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.34

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 22:29
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.32

Mean Conc (ug/L): -1.33 SD: 0.014 RSD(%): 1.09

QC sample is within range

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Pb ID: TCLP BLK 3945 Seq. No.: 00085 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 16
Replicate 1 Time: 22:33
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.151 Background Pk Height (A): 0.176
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.34 Corrected Conc (ug/L): -1.7

uL dispensed: 4 from 0, 4 from 39, 20 from 16
Replicate 2 (Peak Stored) Time: 22:36
Peak Area (A-s): 0.002 Peak Height (A): 0.010
Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.170
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.13 Corrected Conc (ug/L): -0.6

Mean Conc (ug/L): -0.23 SD: 0.149 RSD(%): 63.62
Corrected Conc (ug/L): -1.2

~~~~~~

Pb ID: TCLP BLK 3945 Seq. No.: 00086 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 16
Replicate 1 Time: 22:39
Peak Area (A-s): 0.046 Peak Height (A): 0.148
Background Pk Area (A-s): 0.147 Background Pk Height (A): 0.219
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 19.06 Corrected Conc (ug/L): 95.3

uL dispensed: 4 from 39, 4 from 40, 20 from 16
Replicate 2 (Peak Stored) Time: 22:42
Peak Area (A-s): 0.046 Peak Height (A): 0.138
Background Pk Area (A-s): 0.147 Background Pk Height (A): 0.195
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 19.35 Corrected Conc (ug/L): 96.8

Mean Conc (ug/L): 19.21 SD: 0.205 RSD(%): 1.07
Corrected Conc (ug/L): 96.0

Recovery is ~~97.2%~~ 96.1% SB 3.16.94

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Pb ID: PBL-N7R3948 Seq. No.: 00087 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 17
Replicate 1 Time: 22:45
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.37

uL dispensed: 4 from 0, 4 from 39, 20 from 17
Replicate 2 (Peak Stored) Time: 22:48
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.06

Mean Conc (ug/L): -0.72 Q SD: 0.489 RSD(%): 68.27

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Pb ID: PBL-N7R3948 Seq. No.: 00088 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 17
Replicate 1 Time: 22:51
Peak Area (A-s): 0.043 Peak Height (A): 0.133
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 17.87

uL dispensed: 4 from 39, 4 from 40, 20 from 17
Replicate 2 (Peak Stored) Time: 22:54
Peak Area (A-s): 0.045 Peak Height (A): 0.139
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 18.80
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Recovery is ~~95.3%~~ 91.7% SB 3-16-94

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Pb ID: LCSL-N7R3948 Seq. No.: 00089 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 18
Replicate 1 Time: 22:57
Peak Area (A-s): 0.055 Peak Height (A): 0.170
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 23.27

uL dispensed: 4 from 0, 4 from 39, 20 from 18
Replicate 2 (Peak Stored) Time: 23:00
Peak Area (A-s): 0.054 Peak Height (A): 0.164
Background Pk Area (A-s): 0.018 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 22.56

Mean Conc (ug/L): 22.92 SD: 0.499 RSD(%): 2.18

VOID

SB 3-16-94 Refill with fresh LCSS + Rerun

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Pb ID: LCSL-N7R3948 Seq. No.: 00091 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 18
Replicate 1 Time: 23:04
Peak Area (A-s): 0.048 Peak Height (A): 0.145
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 20.01

uL dispensed: 4 from 0, 4 from 39, 20 from 18
Replicate 2 (Peak Stored) Time: 23:07
Peak Area (A-s): 0.047 Peak Height (A): 0.146
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 19.67

Mean Conc (ug/L): 19.84 Q SD: 0.235 RSD(%): 1.19

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Pb ID: LCSL-N7R3948 Seq. No.: 00092 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 18
Replicate 1 Time: 23:10
Peak Area (A-s): 0.094 Peak Height (A): 0.285
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 40.38

uL dispensed: 4 from 39, 4 from 40, 20 from 18
Replicate 2 (Peak Stored) Time: 23:13
Peak Area (A-s): 0.094 Peak Height (A): 0.290
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 40.28

Mean Conc (ug/L): 40.33 SD: 0.075 RSD(%): 0.18
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Recovery is 102.5%

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Pb 1D: 7SM-JM4369 MTXS Seq. No.: 00093 A/S Pos.: 19 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 1 Time: 23:16
Peak Area (A-s): 0.012 Peak Height (A): 0.030
Background Pk Area (A-s): 0.243 Background Pk Height (A): 0.341
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 4.07

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 2 (Peak Stored) Time: 23:19
Peak Area (A-s): 0.052 Peak Height (A): 0.109
Background Pk Area (A-s): 0.252 Background Pk Height (A): 0.299
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.71

Mean Conc (ug/L): 12.89 SD: 12.478 RSD(%): 96.80

SB 3-16-94 Automatic Rerun

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Pb ID: 7SM-JM4369 MTXS Seq. No.: 00094 A/S Pos.: 19 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 1 Time: 23:22
Peak Area (A-s): 0.041 Peak Height (A): 0.099
Background Pk Area (A-s): 0.254 Background Pk Height (A): 0.312
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 16.91

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 2 (Peak Stored) Time: 23:26
Peak Area (A-s): 0.051 Peak Height (A): 0.129
Background Pk Area (A-s): 0.251 Background Pk Height (A): 0.302
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.48

Mean Conc (ug/L): 19.19 SD: 3.235 RSD(%): 16.85

Rerun 5x due to matrix

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Pb ID: 7SD-JM4369 MTXR Seq. No.: 00095 A/S Pos.: 20 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 20
Replicate 1 Time: 23:29
Peak Area (A-s): 0.042 Peak Height (A): 0.105
Background Pk Area (A-s): 0.245 Background Pk Height (A): 0.301
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 17.55

uL dispensed: 4 from 0, 4 from 39, 20 from 20
Replicate 2 (Peak Stored) Time: 23:32
Peak Area (A-s): 0.043 Peak Height (A): 0.100
Background Pk Area (A-s): 0.253 Background Pk Height (A): 0.301
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 18.02

Mean Conc (ug/L): 17.79 SD: 0.334 RSD(%): 1.88
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Pb ID: CCV-0790 Seq. No.: 00096 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 23:35
Peak Area (A-s): 0.051 Peak Height (A): 0.154
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.36

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 23:38
Peak Area (A-s): 0.049 Peak Height (A): 0.134
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.67

Mean Conc (ug/L): 21.02 SD: 0.485 RSD(%): 2.31

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00097 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 23:41
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.16

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 23:44
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.54

Mean Conc (ug/L): -1.35 SD: 0.274 RSD(%): 20.29

QC sample is within range

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Pb ID: 7XX-JM4369 S11D Seq. No.: 00098 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 1 Time: 23:47
Peak Area (A-s): 0.022 Peak Height (A): 0.042
Background Pk Area (A-s): 0.295 Background Pk Height (A): 0.352
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 8.30

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 2 (Peak Stored) Time: 23:50
Peak Area (A-s): 0.033 Peak Height (A): 0.077
Background Pk Area (A-s): 0.248 Background Pk Height (A): 0.307
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 13.53

SB 3-16-94
Rerun 5x
due to
tri
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Mean Conc (ug/L): 10.92 SD: 3.695 RSD(%): 33.84

SB 3-16-94 automatic Rerun

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Pb ID: 7XX-JM4369 S11D Seq. No.: 00099 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 1 Time: 23:54
Peak Area (A-s): 0.038 Peak Height (A): 0.085
Background Pk Area (A-s): 0.240 Background Pk Height (A): 0.332
Blank Corrected Pk Area (A-s): 0.035
Concentration (ug/L): 15.54

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 2 (Peak Stored) Time: 23:57
Peak Area (A-s): 0.044 Peak Height (A): 0.106
Background Pk Area (A-s): 0.238 Background Pk Height (A): 0.319
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 18.06

Mean Conc (ug/L): 16.80 SD: 1.782 RSD(%): 10.61

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Pb ID: 7XX-JM4369 S11D Seq. No.: 00100 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 4 from 39, 4 from 40, 20 from 21
Replicate 1 Time: 00:00
Peak Area (A-s): 0.052 Peak Height (A): 0.121
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.283
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.78

uL dispensed: 4 from 39, 4 from 40, 20 from 21
Replicate 2 (Peak Stored) Time: 00:03
Peak Area (A-s): 0.039 Peak Height (A): 0.095
Background Pk Area (A-s): 0.211 Background Pk Height (A): 0.282
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 16.10

Mean Conc (ug/L): 18.94 SD: 4.017 RSD(%): 21.21

Recovery is 10.7% (outside of specified limits)

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Pb ID: CCV-0790 Seq. No.: 00101 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38

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Pb ID: 7SM-JM4369 MTXS Seq. No.: 00102 A/S Pos.: 19 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 19 — Autosampler failed SB 3-16-94

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Pb ID: 7SM-JM4369 MTXS Seq. No.: 00103 A/S Pos.: 19 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 1 Time: 00:10
Peak Area (A-s): 0.042 Peak Height (A): 0.087
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.193
Blank Corrected Pk Area (A-s): 0.039
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SB 3-16-94 ~~Rerun 5x~~ do

uL dispensed: 4 from 0, 4 from 39, 20 from 19
Replicate 2 (Peak Stored) Time: 00:13
Peak Area (A-s): 0.041 Peak Height (A): 0.085
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 16.78 Corrected Conc (ug/L): 83.9

Mean Conc (ug/L): 17.03 Q SD: 0.352 RSD(%): 2.07
Corrected Conc (ug/L): 85.2

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Pb ID: 7SD-JM4369 MTXR Seq. No.: 00104 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 20
Replicate 1 Time: 00:17
Peak Area (A-s): 0.042 Peak Height (A): 0.086
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.202
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 17.28 Corrected Conc (ug/L): 86.4

uL dispensed: 4 from 0, 4 from 39, 20 from 20
Replicate 2 (Peak Stored) Time: 00:20
Peak Area (A-s): 0.041 Peak Height (A): 0.090
Background Pk Area (A-s): 0.179 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 16.79 Corrected Conc (ug/L): 84.0

Mean Conc (ug/L): 17.03 Q SD: 0.344 RSD(%): 2.02
Corrected Conc (ug/L): 85.2

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Pb ID: 7XX-JM4369 S11D Seq. No.: 00105 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 1 Time: 00:23
Peak Area (A-s): 0.033 Peak Height (A): 0.121
Background Pk Area (A-s): 0.175 Background Pk Height (A): 0.357
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 13.20 Corrected Conc (ug/L): 66.0

uL dispensed: 4 from 0, 4 from 39, 20 from 21
Replicate 2 (Peak Stored) Time: 00:26
Peak Area (A-s): 0.031 Peak Height (A): 0.124
Background Pk Area (A-s): 0.179 Background Pk Height (A): 0.370
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 12.72 Corrected Conc (ug/L): 63.6

Mean Conc (ug/L): 12.96 Q SD: 0.344 RSD(%): 2.66
Corrected Conc (ug/L): 64.8

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Pb ID: 7XX-JM4369 S11D Seq. No.: 00106 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 21
Replicate 1 Time: 00:29
Peak Area (A-s): 0.083 Peak Height (A): 0.306
Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.380
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 35.69 Corrected Conc (ug/L): 178.4
~~~~~~

uL dispensed: 4 from 39, 4 from 40, 20 from 21
Replicate 2 (Peak Stored) Time: 00:32
Peak Area (A-s): 0.078 Peak Height (A): 0.234
Background Pk Area (A-s): 0.161 Background Pk Height (A): 0.300
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 33.13 Corrected Conc (ug/L): 165.6

Mean Conc (ug/L): 34.41 SD: 1.811 RSD(%): 5.26
Corrected Conc (ug/L): 172.0

Recovery is 107.2%

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Pb ID: 7XX-JM4369 DUP Seq. No.: 00107 A/S Pos.: 22 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 22
Replicate 1 Time: 00:36
Peak Area (A-s): 0.033 Peak Height (A): 0.136
Background Pk Area (A-s): 0.188 Background Pk Height (A): 0.377
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 13.40 Corrected Conc (ug/L): 67.0

uL dispensed: 4 from 0, 4 from 39, 20 from 22
Replicate 2 (Peak Stored) Time: 00:39
Peak Area (A-s): 0.029 Peak Height (A): 0.070
Background Pk Area (A-s): 0.181 Background Pk Height (A): 0.223
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 11.83 Corrected Conc (ug/L): 59.2

Mean Conc (ug/L): 12.62 Q SD: 1.107 RSD(%): 8.77
Corrected Conc (ug/L): 63.1

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Pb ID: 7XX-JM4369 DUP Seq. No.: 00108 A/S Pos.: 22 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 22
Replicate 1 Time: 00:42
Peak Area (A-s): 0.078 Peak Height (A): 0.216
Background Pk Area (A-s): 0.154 Background Pk Height (A): 0.257
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 33.29 Corrected Conc (ug/L): 166.4

uL dispensed: 4 from 39, 4 from 40, 20 from 22
Replicate 2 (Peak Stored) Time: 00:45
Peak Area (A-s): 0.078 Peak Height (A): 0.227
Background Pk Area (A-s): 0.152 Background Pk Height (A): 0.270
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 33.26 Corrected Conc (ug/L): 166.3

Mean Conc (ug/L): 33.27 SD: 0.022 RSD(%): 0.07
Corrected Conc (ug/L): 166.4

Recovery is 103.3%

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Pb ID: CCV-0790 Seq. No.: 00109 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
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Peak Area (A-s): 0.050 Peak Height (A): 0.135
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.03

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 00:51
Peak Area (A-s): 0.053 Peak Height (A): 0.143
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.23

Mean Conc (ug/L): 21.63 SD: 0.846 RSD(%): 3.91

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00110 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 00:54
Peak Area (A-s): 0.000 Peak Height (A): 0.007
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.10

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 00:57
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.94

Mean Conc (ug/L): -1.02 SD: 0.109 RSD(%): 10.72

QC sample is within range

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Pb ID: 7XX-JM4363 SS43 Seq. No.: 00111 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 23
Replicate 1 Time: 01:01
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.297
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.39

uL dispensed: 4 from 0, 4 from 39, 20 from 23
Replicate 2 (Peak Stored) Time: 01:04
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.217 Background Pk Height (A): 0.283
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.26

Mean Conc (ug/L): 0.83 SD: 0.616 RSD(%): 74.65

SB 3-16-94
Rerun 5x
due to
matrix
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Pb ID: 7XX-JM4363 SS43 Seq. No.: 00112 A/S Pos.: 23 Date: 03/17/94
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uL dispensed: 4 from 39, 4 from 40, 20 from 23
Replicate 1 Time: 01:07
Peak Area (A-s): 0.013 Peak Height (A): 0.038
Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.257
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.38

uL dispensed: 4 from 39, 4 from 40, 20 from 23
Replicate 2 (Peak Stored) Time: 01:10
Peak Area (A-s): 0.012 Peak Height (A): 0.034
Background Pk Area (A-s): 0.189 Background Pk Height (A): 0.262
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 4.03

Mean Conc (ug/L): 4.20 SD: 0.247 RSD(%): 5.87

Recovery is 16.9% (outside of specified limits)

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Pb ID: 7XX-JM4363 SS43 Seq. No.: 00113 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 23
Replicate 1 Time: 01:14
Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.162 Background Pk Height (A): 0.165
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.46 Corrected Conc (ug/L): 7.3

uL dispensed: 4 from 0, 4 from 39, 20 from 23
Replicate 2 (Peak Stored) Time: 01:17
Peak Area (A-s): 0.006 Peak Height (A): 0.020
Background Pk Area (A-s): 0.156 Background Pk Height (A): 0.174
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.61 Corrected Conc (ug/L): 8.0

Mean Conc (ug/L): 1.54 SD: 0.103 RSD(%): 6.73
Corrected Conc (ug/L): 7.7

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Pb ID: 7XX-JM4363 SS43 Seq. No.: 00114 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 23
Replicate 1 Time: 01:20
Peak Area (A-s): 0.055 Peak Height (A): 0.164
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.212
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.94 Corrected Conc (ug/L): 114.7

uL dispensed: 4 from 39, 4 from 40, 20 from 23
Replicate 2 (Peak Stored) Time: 01:23
Peak Area (A-s): 0.056 Peak Height (A): 0.153
Background Pk Area (A-s): 0.143 Background Pk Height (A): 0.193
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 23.45 Corrected Conc (ug/L): 117.3

Mean Conc (ug/L): 23.20 SD: 0.358 RSD(%): 1.54
Corrected Conc (ug/L): 116.0

Recovery is 108.3%

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00115 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 01:26
Peak Area (A-s): 0.008 Peak Height (A): 0.028
Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.313
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.44

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 2 (Peak Stored) Time: 01:30
Peak Area (A-s): 0.023 Peak Height (A): 0.049
Background Pk Area (A-s): 0.214 Background Pk Height (A): 0.274
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.82

Mean Conc (ug/L): 5.63 SD: 4.510 RSD(%): 80.12

SB 3-16-94 Automatic Rerun

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00116 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 01:33
Peak Area (A-s): 0.018 Peak Height (A): 0.045
Background Pk Area (A-s): 0.219 Background Pk Height (A): 0.282
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 6.97

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 2 (Peak Stored) Time: 01:36
Peak Area (A-s): 0.022 Peak Height (A): 0.049
Background Pk Area (A-s): 0.219 Background Pk Height (A): 0.275
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.57

Mean Conc (ug/L): 7.77 SD: 1.134 RSD(%): 14.60

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00117 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 24 NO INJECTION SB 3-16-94

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00118 A/S Pos.: 24 Date: 03/17/94

VOID

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 01:40
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.28

NO SAMPLE in position SB 3-16-94

uL dispensed: 4 from 0, 4 from 39, 20 from 24

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00119 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 01:46
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SB 3-16-94 Rerun 5x due to matrix

Background Pk Area (A-s): 0.200 Background Pk Height (A): 0.223
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 20.30

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 2 (Peak Stored) Time: 01:49
Peak Area (A-s): 0.055 Peak Height (A): 0.190
Background Pk Area (A-s): 0.204 Background Pk Height (A): 0.244
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 23.01

Mean Conc (ug/L): 21.66 ??contaminated - reload sample SD: 1.913 RSD(%): 8.83

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00120 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 24
Replicate 1 Time: 01:53
Peak Area (A-s): 0.011 Peak Height (A): 0.041
Background Pk Area (A-s): 0.173 Background Pk Height (A): 0.251
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 3.48

uL dispensed: 4 from 39, 4 from 40, 20 from 24
Replicate 2 (Peak Stored) Time: 01:56
Peak Area (A-s): 0.010 Peak Height (A): 0.045
Background Pk Area (A-s): 0.171 Background Pk Height (A): 0.254
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 3.04

Mean Conc (ug/L): 3.26 SD: 0.312 RSD(%): 9.59

Recovery is -92.0% (outside of specified limits)

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Pb ID: 7XX-JM4365 SS45 Seq. No.: 00121 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 25

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Pb ID: CCV-0790 Seq. No.: 00122 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 01:59
Peak Area (A-s): 0.053 Peak Height (A): 0.140
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.08

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 02:03
Peak Area (A-s): 0.051 Peak Height (A): 0.128
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.18

Mean Conc (ug/L): 21.63 SD: 0.640 RSD(%): 2.96

QC sample is within range 19.1 - 23.3
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Pb ID: CCB Seq. No.: 00123 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 02:06
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.41

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 02:09
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.80

Mean Conc (ug/L): -1.11 SD: 0.429 RSD(%): 38.79

QC sample is within range

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00124 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 02:12
Peak Area (A-s): 0.101 Peak Height (A): 0.192
Background Pk Area (A-s): 0.129 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 43.50 Corrected Conc (ug/L): 217.5

SB 3-16-94

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00125 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 1 Time: 02:17
Peak Area (A-s): 0.011 Peak Height (A): 0.039
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 3.66 Corrected Conc (ug/L): 36.6

W

uL dispensed: 4 from 0, 4 from 39, 20 from 24
Replicate 2 (Peak Stored) Time: 02:20
Peak Area (A-s): 0.009 Peak Height (A): 0.046
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 2.99 Corrected Conc (ug/L): 29.9

Mean Conc (ug/L): 3.32 Q SD: 0.481 RSD(%): 14.45
Corrected Conc (ug/L): 33.2

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Pb ID: 7XX-JM4364 SS44 Seq. No.: 00126 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 24
Replicate 1 Time: 02:24
Peak Area (A-s): 0.063 Peak Height (A): 0.244
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.179
Blank Corrected Pk Area (A-s): 0.061

Concentration (ug/L): 26.82 Corrected Conc (ug/L): 268.2

uL dispensed: 4 from 39, 4 from 40, 20 from 24
Replicate 2 (Peak Stored) Time: 02:27
Peak Area (A-s): 0.065 Peak Height (A): 0.272
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.196
Blank Corrected Pk Area (A-s): 0.063
Concentration (ug/L): 27.72 Corrected Conc (ug/L): 277.2

Mean Conc (ug/L): 27.27 SD: 0.639 RSD(%): 2.34
Corrected Conc (ug/L): 272.7

Recovery is 119.7% (outside of specified limits)

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Pb ID: 7XX-JM4365 SS45 Seq. No.: 00127 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 25
Replicate 1 Time: 02:30
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.227 Background Pk Height (A): 0.351
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.24

uL dispensed: 4 from 0, 4 from 39, 20 from 25
Replicate 2 (Peak Stored) Time: 02:33
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.234 Background Pk Height (A): 0.350
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.58

Mean Conc (ug/L): -0.41 SD: 0.240 RSD(%): 58.74

SB 3-16-94 Rerun 5x for matrix ↓

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Pb ID: 7XX-JM4365 SS45 Seq. No.: 00128 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 25
Replicate 1 Time: 02:36
Peak Area (A-s): 0.014 Peak Height (A): 0.036
Background Pk Area (A-s): 0.192 Background Pk Height (A): 0.255
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 5.08

uL dispensed: 4 from 39, 4 from 40, 20 from 25
Replicate 2 (Peak Stored) Time: 02:39
Peak Area (A-s): 0.009 Peak Height (A): 0.021
Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.291
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.58

Mean Conc (ug/L): 3.83 SD: 1.770 RSD(%): 46.23

Recovery is 21.2% (outside of specified limits)

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Pb ID: 7XX-JM4365 SS45 Seq. No.: 00129 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 25
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Peak Area (A-s): 0.006 Peak Height (A): 0.015
Background Pk Area (A-s): 0.144 Background Pk Height (A): 0.121
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.32 Corrected Conc (ug/L): 6.6

uL dispensed: 4 from 0, 4 from 39, 20 from 25
Replicate 2 (Peak Stored) Time: 02:47
Peak Area (A-s): 0.005 Peak Height (A): 0.015
Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.146
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.80 Corrected Conc (ug/L): 4.0

Mean Conc (ug/L): 1.06 Q SD: 0.367 RSD(%): 34.75
Corrected Conc (ug/L): 5.3

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Pb ID: 7XX-JM4365 SS45 Seq. No.: 00130 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 25
Replicate 1 Time: 02:50
Peak Area (A-s): 0.056 Peak Height (A): 0.151
Background Pk Area (A-s): 0.130 Background Pk Height (A): 0.184
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 23.38 Corrected Conc (ug/L): 116.9

uL dispensed: 4 from 39, 4 from 40, 20 from 25
Replicate 2 (Peak Stored) Time: 02:53
Peak Area (A-s): 0.053 Peak Height (A): 0.173
Background Pk Area (A-s): 0.138 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.09 Corrected Conc (ug/L): 110.4

Mean Conc (ug/L): 22.73 SD: 0.910 RSD(%): 4.00
Corrected Conc (ug/L): 113.7

Recovery is 108.4%

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Pb ID: 7XX-JM4366 SS46 Seq. No.: 00131 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 26
Replicate 1 Time: 02:56
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.226 Background Pk Height (A): 0.357
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.60

uL dispensed: 4 from 0, 4 from 39, 20 from 26
Replicate 2 (Peak Stored) Time: 02:59
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.221 Background Pk Height (A): 0.308
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.55

Mean Conc (ug/L): -0.03 SD: 0.812 RSD(%): 3132.41

SB 3-16-9 Rerun 5x due to matrix

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Pb ID: 7XX-JM4366 SS46 Seq. No.: 00132 A/S Pos.: 26 Date: 03/17/94
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uL dispensed: 4 from 39, 4 from 40, 20 from 26
Replicate 1 Time: 03:02
Peak Area (A-s): 0.007 Peak Height (A): 0.021
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.292
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.71

uL dispensed: 4 from 39, 4 from 40, 20 from 26
Replicate 2 (Peak Stored) Time: 03:05
Peak Area (A-s): 0.007 Peak Height (A): 0.021
Background Pk Area (A-s): 0.202 Background Pk Height (A): 0.308
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.71

Mean Conc (ug/L): 1.71 SD: 0.001 RSD(%): 0.03

Recovery is 8.7% (outside of specified limits)

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Pb ID: CCV-0790 Seq. No.: 00133 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 03:09
Peak Area (A-s): 0.053 Peak Height (A): 0.128
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.08

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 03:12
Peak Area (A-s): 0.052 Peak Height (A): 0.126
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.64

Mean Conc (ug/L): 21.86 SD: 0.311 RSD(%): 1.42

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00134 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 03:15
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.09

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 03:18
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.50

Mean Conc (ug/L): -1.30 SD: 0.294 RSD(%): 22.68

QC sample is within range

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Pb ID: 7XX-JM4366 SS46 Seq. No.: 00135 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 26
Replicate 1 Time: 03:21
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.231 Background Pk Height (A): 0.352
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.05 Corrected Conc (ug/L): 0.2

E

uL dispensed: 4 from 0, 4 from 39, 20 from 26
Replicate 2 (Peak Stored) Time: 03:24
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.225 Background Pk Height (A): 0.353
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.02 Corrected Conc (ug/L): -0.1

Mean Conc (ug/L): 0.01 Q SD: 0.049 RSD(%): 470.99
Corrected Conc (ug/L): 0.1

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Pb ID: 7XX-JM4366 SS46 Seq. No.: 00136 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 26
Replicate 1 Time: 03:27
Peak Area (A-s): 0.006 Peak Height (A): 0.016
Background Pk Area (A-s): 0.191 Background Pk Height (A): 0.306
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.58 Corrected Conc (ug/L): 7.9

uL dispensed: 4 from 39, 4 from 40, 20 from 26
Replicate 2 (Peak Stored) Time: 03:30
Peak Area (A-s): 0.006 Peak Height (A): 0.018
Background Pk Area (A-s): 0.196 Background Pk Height (A): 0.317
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.51 Corrected Conc (ug/L): 7.6

Mean Conc (ug/L): 1.54 SD: 0.049 RSD(%): 3.14
Corrected Conc (ug/L): 7.7

Recovery is 7.7% (outside of specified limits)

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00137 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 27 No INJECTION SB 3-16-94

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00138 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 1 Time: 03:36
Peak Area (A-s): 0.019 Peak Height (A): 0.031
Background Pk Area (A-s): 0.801 Background Pk Height (A): 0.896
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 7.32

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 2 (Peak Stored) Time: 03:39
Peak Area (A-s): 0.003 Peak Height (A): 0.014

Background Pk Area (A-s): 0.243 Background Pk Height (A): 0.380
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.23

Mean Conc (ug/L): 3.78 SD: 5.013 RSD(%): 132.67 Automate Rerun SB 3-16-94

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00139 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 1 Time: 03:42
Peak Area (A-s): 0.007 Peak Height (A): 0.021
Background Pk Area (A-s): 0.232 Background Pk Height (A): 0.327
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.87

SB 3-16-94 Rerun 5x due to matrix

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 2 (Peak Stored) Time: 03:45
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.236 Background Pk Height (A): 0.369
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.47

Mean Conc (ug/L): 1.17 SD: 0.989 RSD(%): 84.42

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00140 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 27
Replicate 1 Time: 03:48
Peak Area (A-s): 0.015 Peak Height (A): 0.045
Background Pk Area (A-s): 0.210 Background Pk Height (A): 0.277
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 5.61

uL dispensed: 4 from 39, 4 from 40, 20 from 27
Replicate 2 (Peak Stored) Time: 03:51
Peak Area (A-s): 0.008 Peak Height (A): 0.023
Background Pk Area (A-s): 0.205 Background Pk Height (A): 0.308
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 2.41

Mean Conc (ug/L): 4.01 SD: 2.264 RSD(%): 56.45

Recovery is 14.2% (outside of specified limits)

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00141 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 1 Time: 03:54
Peak Area (A-s): 0.021 Peak Height (A): 0.040
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 8.08 Corrected Conc (ug/L): 40.4

uL dispensed: 4 from 0, 4 from 39, 20 from 27
Replicate 2 (Peak Stored) Time: 03:57
Peak Area (A-s): 0.019 Peak Height (A): 0.036
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Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 7.30 Corrected Conc (ug/L): 36.5

Mean Conc (ug/L): 7.69 Q SD: 0.554 RSD(%): 7.20
Corrected Conc (ug/L): 38.5

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Pb ID: 7XX-JM4367 DS10 Seq. No.: 00142 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 27
Replicate 1 Time: 04:00
Peak Area (A-s): 0.068 Peak Height (A): 0.174
Background Pk Area (A-s): 0.145 Background Pk Height (A): 0.182
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 28.99 Corrected Conc (ug/L): 144.96

uL dispensed: 4 from 39, 4 from 40, 20 from 27
Replicate 2 (Peak Stored) Time: 04:04
Peak Area (A-s): 0.078 Peak Height (A): 0.264
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.382
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 33.07 Corrected Conc (ug/L): 165.4

Mean Conc (ug/L): 31.03 SD: 2.886 RSD(%): 9.30
Corrected Conc (ug/L): 155.2

Recovery is 116.7% (outside of specified limits)

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Pb ID: 7XX-JM4368 DS11 Seq. No.: 00143 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 1 Time: 04:07
Peak Area (A-s): 0.043 Peak Height (A): 0.199
Background Pk Area (A-s): 0.237 Background Pk Height (A): 0.387
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 17.68

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 2 (Peak Stored) Time: 04:10
Peak Area (A-s): -0.032 Peak Height (A): 0.179
Background Pk Area (A-s): 0.218 Background Pk Height (A): 0.388
Blank Corrected Pk Area (A-s): -0.035
Concentration (ug/L): -15.54

Mean Conc (ug/L): 1.07 SD: 23.490 RSD(%): 2197.19

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Pb ID: 7XX-JM4368 DS11 Seq. No.: 00144 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 28
Replicate 1 Time: 04:13
Peak Area (A-s): 0.022 Peak Height (A): 0.212
Background Pk Area (A-s): 0.195 Background Pk Height (A): 0.346
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.71

uL dispensed: 4 from 39, 4 from 40, 20 from 28
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Replicate 2 (Peak Stored) Time: 04:16
Peak Area (A-s): 0.034 Peak Height (A): 0.223
Background Pk Area (A-s): 0.197 Background Pk Height (A): 0.330
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 13.90

Mean Conc (ug/L): 11.30 SD: 3.672 RSD(%): 32.49 Automatic Rerun SB 3-16-94

Recovery is 51.2% (outside of specified limits)

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Pb ID: CCV-0790 Seq. No.: 00145 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 04:19
Peak Area (A-s): 0.059 Peak Height (A): 0.144
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 24.79

uL dispensed: 4 from 0, 4 from 39, 20 from 38 BAKED TUBE SB 3-16-94

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Pb ID: CCV-0790 Seq. No.: 00146 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 04:25
Peak Area (A-s): 0.041 Peak Height (A): 0.123
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 17.03

uL dispensed: 4 from 0, 4 from 39, 20 from 38 Replaced CCV w/ fresh SB 3-16-94

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Pb ID: CCV-0790 Seq. No.: 00147 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 04:28
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.58 — Sample out of position SB 3-16-94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 04:31
Peak Area (A-s): 0.052 Peak Height (A): 0.152
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.75

Mean Conc (ug/L): 10.09 SD: 16.497 RSD(%): 163.53

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Pb ID: CCV-0790 Seq. No.: 00148 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 04:34
Peak Area (A-s): 0.052 Peak Height (A): 0.153
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.050

Concentration (ug/L): 21.88

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 04:37
Peak Area (A-s): 0.054 Peak Height (A): 0.150
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 22.49

Mean Conc (ug/L): 22.18 SD: 0.431 RSD(%): 1.94

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00149 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 04:40
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.08

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 04:43
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.41

Mean Conc (ug/L): -1.25 SD: 0.234 RSD(%): 18.73

QC sample is within range

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Pb ID: 7XX-JM4368 DS11 Seq. No.: 00150 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 1 Time: 04:46
Peak Area (A-s): 0.046 Peak Height (A): 0.247
Background Pk Area (A-s): 0.205 Background Pk Height (A): 0.378
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 19.07

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 2 (Peak Stored) Time: 04:49
Peak Area (A-s): 0.023 Peak Height (A): 0.238
Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.375
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.85

Mean Conc (ug/L): 13.96 SD: 7.227 RSD(%): 51.77

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Pb ID: 7XX-JM4368 DS11 Seq. No.: 00151 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 1 Time: 04:52
Peak Area (A-s): 0.005 Peak Height (A): 0.263
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Background Pk Area (A-s): 0.201 Background Pk Height (A): 0.384
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.08

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 2 (Peak Stored) Time: 04:55
Peak Area (A-s): 0.022 Peak Height (A): 0.231
Background Pk Area (A-s): 0.210 Background Pk Height (A): 0.378
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.64

Mean Conc (ug/L): 4.86 SD: 5.345 RSD(%): 109.95

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Peak Area (A-s): 0.061 Peak Height (A): 0.127
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 25.95 - Carryover from high sample SB 3-16-94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 05:08
Peak Area (A-s): 0.053 Peak Height (A): 0.118
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 22.25

Mean Conc (ug/L): 24.10 SD: 2.616 RSD(%): 10.86

QC sample is out of range 19.1 - 23.3

~~~~~~

Pb ID: CCV-0790 Seq. No.: 00155 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 1 Time: 05:11
Peak Area (A-s): 0.054 Peak Height (A): 0.133
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.71

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 05:15
Peak Area (A-s): 0.056 Peak Height (A): 0.122
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 23.60

Mean Conc (ug/L): 23.15 SD: 0.628 RSD(%): 2.71

QC sample is within range 19.1 - 23.3

~~~~~~

Pb ID: CCB Seq. No.: 00156 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 05:18
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.81

~~~~~~

Pb ID: 7XX-JM4368 DS11 Seq. No.: 00157 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 05:22
Peak Area (A-s): 0.323 Peak Height (A): 0.946
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.377
Blank Corrected Pk Area (A-s): 0.321
Concentration (ug/L): 141.83 Corrected Conc (ug/L): 1418.3

SB 3-16-94 Rerun CCB
~~~~~~

NO INJECTION SB 3/16/94

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Pb ID: 7XX-JM4368 DS11 Seq. No.: 00158 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 19 from 0, 4 from 39, 5 from 28

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Pb ID: CCB Seq. No.: 00159 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0

~~~~~~

Pb ID: CCB Seq. No.: 00160 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 05:28
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.13

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 05:31
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.69

Mean Conc (ug/L): -0.91 SD: 0.310 RSD(%): 34.03

QC sample is within range

~~~~~~

Pb ID: 7XX-JM4368 DS11 Seq. No.: 00161 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 1 Time: 05:34
Peak Area (A-s): 0.051 Peak Height (A): 0.142
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 21.38 Corrected Conc (ug/L): 2138.

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 2 (Peak Stored) Time: 05:37
Peak Area (A-s): 0.041 Peak Height (A): 0.123
Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 16.81 Corrected Conc (ug/L): 1681.

Mean Conc (ug/L): 19.10 SD: 3.230 RSD(%) 16.91 Automatic Rerun
Corrected Conc (ug/L): 1910.

~~~~~~

Pb ID: 7XX-JM4368 DS11 Seq. No.: 00162 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 1 Time: 05:41
Peak Area (A-s): 0.041 Peak Height (A): 0.120
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 17.07 Corrected Conc (ug/L): 1707.
~~~~~~

uL dispensed: 4 from 0, 4 from 39, 20 from 28
Replicate 2 (Peak Stored) Time: 05:44
Peak Area (A-s): 0.040 Peak Height (A): 0.115
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 16.52 Corrected Conc (ug/L): 1652.

Mean Conc (ug/L): 16.80 Q SD: 0.385 RSD(%): 2.29
Corrected Conc (ug/L): 1680.

~~~~~~

Pb ID: 7XX-JM4368 DS11 Seq. No.: 00163 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 28
Replicate 1 Time: 05:47
Peak Area (A-s): 0.089 Peak Height (A): 0.256
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 38.30 Corrected Conc (ug/L): 3830.

uL dispensed: 4 from 39, 4 from 40, 20 from 28
Replicate 2 (Peak Stored) Time: 05:50
Peak Area (A-s): 0.090 Peak Height (A): 0.253
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 38.52 Corrected Conc (ug/L): 3852.

Mean Conc (ug/L): 38.41 SD: 0.160 RSD(%): 0.42
Corrected Conc (ug/L): 3841.

Recovery is 108.1%

~~~~~~

Pb ID: TCLP BLK 3948 Seq. No.: 00164 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 29
Replicate 1 Time: 05:53
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.190 Background Pk Height (A): 0.337
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.03

uL dispensed: 4 from 0, 4 from 39, 20 from 29
Replicate 2 (Peak Stored) Time: 05:56
Peak Area (A-s): 0.003 Peak Height (A): 0.009
Background Pk Area (A-s): 0.198 Background Pk Height (A): 0.344
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.18

Mean Conc (ug/L): 0.07 SD: 0.149 RSD(%): 209.07

SB 3-18-94 Rerun 5x due to matrix

~~~~~~

Pb ID: TCLP BLK 3948 Seq. No.: 00165 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 29
Replicate 1 Time: 05:59
Peak Area (A-s): 0.010 Peak Height (A): 0.017
Background Pk Area (A-s): 0.171 Background Pk Height (A): 0.297
Blank Corrected Pk Area (A-s): 0.007
~~~~~~

Concentration (ug/L): 3.15

uL dispensed: 4 from 39, 4 from 40, 20 from 29
Replicate 2 (Peak Stored) Time: 06:02
Peak Area (A-s): 0.011 Peak Height (A): 0.020
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.301
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 3.80

Mean Conc (ug/L): 3.47 SD: 0.459 RSD(%): 13.23

Recovery is 17.0% (outside of specified limits)

~~~~~~

Pb ID: TCLP BLK 3948 Seq. No.: 00166 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 29
Replicate 1 Time: 06:05
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.04 Corrected Conc (ug/L): 5.2

uL dispensed: 4 from 0, 4 from 39, 20 from 29
Replicate 2 (Peak Stored) Time: 06:08
Peak Area (A-s): 0.005 Peak Height (A): 0.018
Background Pk Area (A-s): 0.124 Background Pk Height (A): 0.262
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.87 Corrected Conc (ug/L): 4.4

Mean Conc (ug/L): 0.96 SD: 0.120 RSD(%): 12.56
Corrected Conc (ug/L): 4.8

~~~~~~

Pb ID: TCLP BLK 3948 Seq. No.: 00167 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 4 from 39, 4 from 40, 20 from 29
Replicate 1 Time: 06:12
Peak Area (A-s): 0.054 Peak Height (A): 0.117
Background Pk Area (A-s): 0.110 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.85 Corrected Conc (ug/L): 114.3

uL dispensed: 4 from 39, 4 from 40, 20 from 29
Replicate 2 (Peak Stored) Time: 06:15
Peak Area (A-s): 0.055 Peak Height (A): 0.123
Background Pk Area (A-s): 0.110 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 22.96 Corrected Conc (ug/L): 114.8

Mean Conc (ug/L): 22.91 SD: 0.075 RSD(%): 0.33
Corrected Conc (ug/L): 114.5

Recovery is 109.7%

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Pb ID: CCV-0790 Seq. No.: 00168 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 38
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Replicate 1 Time: 06:18
Peak Area (A-s): 0.051 Peak Height (A): 0.127
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.33

uL dispensed: 4 from 0, 4 from 39, 20 from 38
Replicate 2 (Peak Stored) Time: 06:21
Peak Area (A-s): 0.050 Peak Height (A): 0.122
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 21.12

Mean Conc (ug/L): 21.22 SD: 0.143 RSD(%): 0.67

QC sample is within range 19.1 - 23.3

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Pb ID: CCB Seq. No.: 00169 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 1 Time: 06:24
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.28

uL dispensed: 4 from 0, 4 from 39, 20 from 0
Replicate 2 (Peak Stored) Time: 06:27
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.79

Mean Conc (ug/L): -1.04 SD: 0.346 RSD(%): 33.42

QC sample is within range

~~~~~~

Pb ID: CRA-0792 Seq. No.: 00170 A/S Pos.: 36 Date: 03/17/94

uL dispensed: 4 from 0, 4 from 39, 20 from 36
Replicate 1 Time: 06:30
Peak Area (A-s): 0.010 Peak Height (A): 0.028
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.009
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 3.29

uL dispensed: 4 from 0, 4 from 39, 20 from 36
Replicate 2 (Peak Stored) Time: 06:33
Peak Area (A-s): 0.010 Peak Height (A): 0.025
Background Pk Area (A-s): 0.008 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 3.14

Mean Conc (ug/L): 3.21 SD: 0.105 RSD(%): 3.27

QC sample is within range 2.25 - 3.75

Element File: SERLS.GEL
Element: Se
Analyst: RLS
Print Data: Main+Suppl.
Peak Storage: All
Print: Calib. Curve+Elem. Params.

INSTRUMENT: 5100
Technique: HGA
Version: 7.10
Wavelength: 196.0 Peak
Slit: 0.70 Low
Signal Type: Zeeman AA
Signal Measurement: Peak Area
Read Time: 6.0
Read Delay: 0.0
BOC Time: 2
Sample Replicates: 2
Standard Replicates: 2
Spike Replicates: Same as Sample

CALIBRATION:

Solutions	ID	Conc	Location	Volume	Diluent Volume	Modifier #1	Modifier #2
Calib. Blank	CAL BLANK	----------	0	35	15	5	
Standard 1	STD 1 IN-0782	4.0	40	2	38	5	
Standard 2	STD 2	10.0	40	5	35	5	
Standard 3	STD 3	20.0	40	10	30	5	
Standard 4	STD 4	30.0	40	15	25	5	
Standard 5	STD 5	40.0	40	20	20	5	
Standard 6	STD 6	50.0	40	25	15	5	
Samples	----------	----------	--------	25	15	5	

Diluent Location: 0
Modifier #1 Location: 39
Modifier #2 Location:
Calibration Units: ug/L
Sample Units: ug/L
Calibration Type: Linear

Furnace Time/Temperature Program:

Step	Temp	Ramp	Hold	Gas Flow	Read	Gas Type
1	110	5	40	300		Norm
2	150	10	10	300		Norm
3	800	10	30	300		Norm
4	20	1	15	300		Norm
5	2300	0	5	0	*	Norm
6	2600	2	5	300		Norm

Injection Temp: 20
Pipette Speed: 100%

SEQUENCE:

Step	Action and Parameters
1	Pipet modifier 1 + diluent + spike + sample/std
2	Run HGA steps 1 to End

CHECKS:
Recalibration Type: Autozero Only
Locations: None

Conc. Above Calibration Action: Dilute & Reanalyze After 1 Rep
Alternate Sample Volumes (uL): 10
Run Alternate Volume Blanks: No

If %RSD > 15.0 and Concentration > 4 then Retry 1 times
Check %RSD on: Samples + Standards + Spikes + QC Samples

Recovery Measurements:
5 uL of 50 ug/L Standard at Location 40 Gives 10.0 ug/L
Measure Recovery on Samples: 1-2,5-10,13-21
Add to QC Samples: No
% Recovery Limits: 85 to 115

QC:

=	A/S Loc.	QC Sample ID	Conc. Limits Lower	Upper	After Calib	Periodic Check	At End	Count As Sample
1	37	ICV-0794	35.2	43.0	X			
2	0	ICB			X			
3	38	CCV-0793	21.1	25.8		X	X	
4	0	CCB				X	X	
5	36	CRA-0795	3.81	6.35	X		X	

Run Periodic QC Samples: Every 10
Out of Limit Action: Print Message Only

Matrix Check Calculations:
% Difference for Dupls: No Locations: 1,2
% Recovery for Spike: No Locations: 3,4 Conc: 20 ug/L

Element File: SERLS.GEL Element: Se Wavelength: 196.0
Date: 03/16/94 Time: 12:56 Slit: 0.70 L
Data File: A031694.DAT ID/Wt File: A031594.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 56

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Se ID: CAL BLANK Seq. No.: 00001 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 35 from 0
Replicate 1 (Peak Stored) Time: 12:59
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.002

uL dispensed: 5 from 39, 15 from 0, 35 from 0
Replicate 2 (Peak Stored) Time: 13:02
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.005

Mean Pk Area (A-s): 0.003 SD: 0.0023 RSD(%): 69.33

Auto-zero performed.

~~~~~~

Se ID: STD 1 IN-0782 Seq. No.: 00002 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 38 from 0, 2 from 40
Replicate 1 (Peak Stored) Time: 13:05
Peak Area (A-s): 0.013 Peak Height (A): 0.041
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.009

uL dispensed: 5 from 39, 38 from 0, 2 from 40
Replicate 2 (Peak Stored) Time: 13:09
Peak Area (A-s): 0.017 Peak Height (A): 0.044
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.014

Mean Pk Area (A-s): 0.012 SD: 0.0032 RSD(%): 27.40

Standard number 1 applied. [4.0]
Correlation coefficient: 1.00000 Slope: 0.0029 Int: 0.000

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Se ID: STD 2 Seq. No.: 00003 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 35 from 0, 5 from 40
Replicate 1 (Peak Stored) Time: 13:12
Peak Area (A-s): 0.037 Peak Height (A): 0.093
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 11.7

uL dispensed: 5 from 39, 35 from 0, 5 from 40
Replicate 2 (Peak Stored) Time: 13:16
Peak Area (A-s): 0.037 Peak Height (A): 0.098
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.034
~~~~~~

Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 11.6

Mean Conc (ug/L): 11.6 SD: 0.07 RSD(%): 0.59

Standard number 2 applied. [10.0]
Correlation coefficient: 0.99798 Slope: 0.0034 Int: -0.001

~~~~~~

Se ID: STD 3 Seq. No.: 00004 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 30 from 0, 10 from 40
Replicate 1 (Peak Stored) Time: 13:19
Peak Area (A-s): 0.063 Peak Height (A): 0.162
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 17.7

uL dispensed: 5 from 39, 30 from 0, 10 from 40
Replicate 2 (Peak Stored) Time: 13:22
Peak Area (A-s): 0.068 Peak Height (A): 0.165
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 19.0

Mean Conc (ug/L): 18.3 SD: 0.94 RSD(%): 5.12

Standard number 3 applied. [20.0]
Correlation coefficient: 0.99826 Slope: 0.0031 Int: 0.000

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Se ID: STD 4 Seq. No.: 00005 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 25 from 0, 15 from 40
Replicate 1 (Peak Stored) Time: 13:26
Peak Area (A-s): 0.096 Peak Height (A): 0.234
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 29.5

uL dispensed: 5 from 39, 25 from 0, 15 from 40
Replicate 2 (Peak Stored) Time: 13:29
Peak Area (A-s): 0.097 Peak Height (A): 0.241
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 29.7

Mean Conc (ug/L): 29.6 SD: 0.16 RSD(%): 0.55

Standard number 4 applied. [30.0]
Correlation coefficient: 0.99928 Slope: 0.0031 Int: 0.000

~~~~~~

Se ID: STD 5 Seq. No.: 00006 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 20 from 0, 20 from 40
Replicate 1 (Peak Stored) Time: 13:33
Peak Area (A-s): 0.125 Peak Height (A): 0.300
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.076
~~~~~~

Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 39.0

uL dispensed: 5 from 39, 20 from 0, 20 from 40
Replicate 2 (Peak Stored) Time: 13:36
Peak Area (A-s): 0.132 Peak Height (A): 0.303
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 41.5

Mean Conc (ug/L): 40.3 SD: 1.75 RSD(%): 4.34

Standard number 5 applied. [40.0]
Correlation coefficient: 0.99964 Slope: 0.0031 Int: 0.000

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Se ID: STD 6 Seq. No.: 00007 A/S Pos.: 40 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 40
Replicate 1 (Peak Stored) Time: 13:39
Peak Area (A-s): 0.155 Peak Height (A): 0.368
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.152
Concentration (ug/L): 48.7

uL dispensed: 5 from 39, 15 from 0, 25 from 40
Replicate 2 (Peak Stored) Time: 13:43
Peak Area (A-s): 0.153 Peak Height (A): 0.361
Background Pk Area (A-s): 0.083 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.149
Concentration (ug/L): 47.9

Mean Conc (ug/L): 48.3 SD: 0.54 RSD(%): 1.12

Standard number 6 applied. [50.0]
Correlation coefficient: 0.99943 Slope: 0.0030 Int: 0.001
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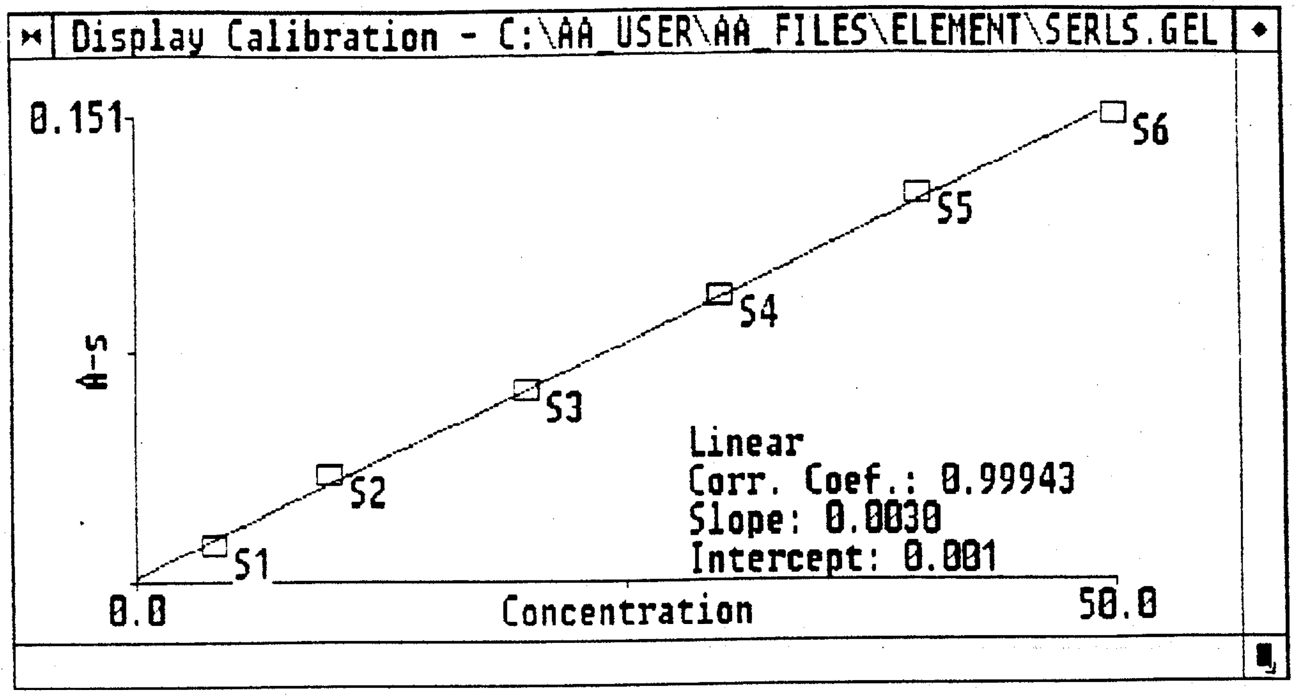

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Se ID: ICV-0794 Seq. No.: 00008 A/S Pos.: 37 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 37
Replicate 1 (Peak Stored) Time: 14:44
Peak Area (A-s): 0.125 Peak Height (A): 0.281
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 39.6

uL dispensed: 5 from 39, 15 from 0, 25 from 37
Replicate 2 (Peak Stored) Time: 14:48
Peak Area (A-s): 0.118 Peak Height (A): 0.285
Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.115
Concentration (ug/L): 37.4

Mean Conc (ug/L): 38.5 SD: 1.61 RSD(%): 4.19

QC sample is within range 35.2 - 43.0

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Se ID: ICB Seq. No.: 00009 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 14:51
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.2

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 14:54
Peak Area (A-s): -0.000 Peak Height (A): 0.013

Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.6

Mean Conc (ug/L): -1.4 SD: 0.32 RSD(%): 23.49

QC sample is within range

~~~~~~

Se ID: CRA-0795 Seq. No.: 00010 A/S Pos.: 36 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 1 (Peak Stored) Time: 14:58
Peak Area (A-s): 0.023 Peak Height (A): 0.050
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 6.0

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 2 (Peak Stored) Time: 15:01
Peak Area (A-s): 0.016 Peak Height (A): 0.049
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 3.9

Mean Conc (ug/L): 5.0 SD: 1.49 RSD(%): 29.95

SB 3-16-94 Automatic Rerun

~~~~~~

Se ID: CRA-0795 Seq. No.: 00011 A/S Pos.: 36 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 1 (Peak Stored) Time: 15:05
Peak Area (A-s): 0.016 Peak Height (A): 0.044
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 3.9

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 2 (Peak Stored) Time: 15:08
Peak Area (A-s): 0.017 Peak Height (A): 0.044
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 4.1

Mean Conc (ug/L): 4.0 SD: 0.13 RSD(%): 3.28

QC sample is within range 3.81 - 6.35

~~~~~~

Se ID: PBL-N7R3945 Seq. No.: 00012 A/S Pos.: 1 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 1
Replicate 1 (Peak Stored) Time: 15:12
Peak Area (A-s): 0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.4

uL dispensed: 5 from 39, 15 from 0, 25 from 1
Replicate 2 (Peak Stored) Time: 15:15
~~~~~~

Peak Area (A-s): -0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.8

Mean Conc (ug/L): -1.1 Q SD: 0.95 RSD(%): 86.94

~~~~~~

Se ID: PBL-N7R3945 Seq. No.: 00013 A/S Pos.: 1 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 1
Replicate 1 (Peak Stored) Time: 15:19
Peak Area (A-s): 0.035 Peak Height (A): 0.086
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 10.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 1
Replicate 2 (Peak Stored) Time: 15:22
Peak Area (A-s): 0.022 Peak Height (A): 0.061
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.173
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.8

Mean Conc (ug/L): 7.9 SD: 3.07 RSD(%): 38.68

Recovery is 90.1%

~~~~~~

Se ID: PBL-N7R3945 Seq. No.: 00014 A/S Pos.: 1 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 1
Replicate 1 (Peak Stored) Time: 15:26
Peak Area (A-s): 0.034 Peak Height (A): 0.085
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 9.9

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 1
Replicate 2 (Peak Stored) Time: 15:29
Peak Area (A-s): 0.027 Peak Height (A): 0.073
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.5

Mean Conc (ug/L): 8.7 SD: 1.68 RSD(%): 19.38

Recovery is ~~97.1%~~ 87.0% SB 3-16-94

~~~~~~

Se ID: LCSL-N7R3945 Seq. No.: 00015 A/S Pos.: 2 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 2
Replicate 1 (Peak Stored) Time: 15:33
Peak Area (A-s): 0.063 Peak Height (A): 0.146
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 19.4
~~~~~~

uL dispensed: 5 from 39, 15 from 0, 25 from 2
Replicate 2 (Peak Stored) Time: 15:36
Peak Area (A-s): 0.063 Peak Height (A): 0.154
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 19.3

Mean Conc (ug/L): 19.3 Q SD: 0.05 RSD(%): 0.25

~~~~~~

Se ID: LCSL-N7R3945 Seq. No.: 00016 A/S Pos.: 2 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 2
Replicate 1 (Peak Stored) Time: 15:40
Peak Area (A-s): 0.095 Peak Height (A): 0.232
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.091
Concentration (ug/L): 29.7

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 2
Replicate 2 (Peak Stored) Time: 15:43
Peak Area (A-s): 0.096 Peak Height (A): 0.235
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 30.1

Mean Conc (ug/L): 29.9 SD: 0.28 RSD(%): 0.95

Recovery is 105.8%

~~~~~~

Se ID: 7SM-JM4362 MTXS Seq. No.: 00017 A/S Pos.: 3 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 3
Replicate 1 (Peak Stored) Time: 15:47
Peak Area (A-s): 0.046 Peak Height (A): 0.106
Background Pk Area (A-s): 0.384 Background Pk Height (A): 0.116
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 13.5

uL dispensed: 5 from 39, 15 from 0, 25 from 3
Replicate 2 (Peak Stored) Time: 15:50
Peak Area (A-s): 0.049 Peak Height (A): 0.102
Background Pk Area (A-s): 0.374 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 14.6

Mean Conc (ug/L): 14.0 Q SD: 0.73 RSD(%): 5.20

~~~~~~

Se ID: 7SD-JM4362 MTXR Seq. No.: 00018 A/S Pos.: 4 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 4
Replicate 1 (Peak Stored) Time: 15:54
Peak Area (A-s): 0.046 Peak Height (A): 0.105
Background Pk Area (A-s): 0.375 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 13.7
~~~~~~

uL dispensed: 5 from 39, 15 from 0, 25 from 4
Replicate 2 (Peak Stored) Time: 15:57
Peak Area (A-s): 0.048 Peak Height (A): 0.103
Background Pk Area (A-s): 0.370 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 14.3

Mean Conc (ug/L): 14.0 Q SD: 0.40 RSD(%): 2.89

~~~~~~

Se ID: 7XX-JM4362 SS42 Seq. No.: 00019 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 5
Replicate 1 (Peak Stored) Time: 16:01
Peak Area (A-s): 0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.362 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1

uL dispensed: 5 from 39, 15 from 0, 25 from 5 W
Replicate 2 (Peak Stored) Time: 16:04
Peak Area (A-s): 0.003 Peak Height (A): 0.014
Background Pk Area (A-s): 0.361 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.3

Mean Conc (ug/L): -0.7 Q SD: 0.56 RSD(%): 77.33

~~~~~~

Se ID: 7XX-JM4362 SS42 Seq. No.: 00020 A/S Pos.: 5 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 5
Replicate 1 (Peak Stored) Time: 16:08
Peak Area (A-s): 0.021 Peak Height (A): 0.052
Background Pk Area (A-s): 0.360 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 3.5

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 5
Replicate 2 (Peak Stored) Time: 16:11
Peak Area (A-s): 0.027 Peak Height (A): 0.078
Background Pk Area (A-s): 0.358 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.5

Mean Conc (ug/L): 4.1 SD: 0.73 RSD(%): 12.40

Recovery is ~~[illegible]%~~ 61.0% (outside of specified limits)
SB 3-16-94

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Se ID: 7XX-JM4362 DUP Seq. No.: 00021 A/S Pos.: 6 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 6
Replicate 1 (Peak Stored) Time: 16:15
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.363 Background Pk Height (A): 0.114
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7
~~~~~~

uL dispensed: 5 from 39, 15 from 0, 25 from 6
Replicate 2 (Peak Stored) Time: 16:18
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.353 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.3

Mean Conc (ug/L): -0.3 Q SD: 0.32 RSD(%): 65.37

~~~~~~

Se ID: 7XX-JM4362 DUP Seq. No.: 00022 A/S Pos.: 6 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 6
Replicate 1 (Peak Stored) Time: 16:22
Peak Area (A-s): 0.020 Peak Height (A): 0.057
Background Pk Area (A-s): 0.366 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.9

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 6
Replicate 2 (Peak Stored) Time: 16:25
Peak Area (A-s): 0.019 Peak Height (A): 0.051
Background Pk Area (A-s): 0.362 Background Pk Height (A): 0.115
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.9

Mean Conc (ug/L): 4.9 SD: 0.03 RSD(%): 0.54

Recovery is ~~51.3%~~ 49.0% (outside of specified limits)
SB 3-16-94

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Se ID: CCV-0793 Seq. No.: 00023 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 16:30
Peak Area (A-s): 0.086 Peak Height (A): 0.180
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.083
Concentration (ug/L): 26.9

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 16:34
Peak Area (A-s): 0.078 Peak Height (A): 0.158
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.075
Concentration (ug/L): 24.2

Mean Conc (ug/L): 25.5 SD: 1.88 RSD(%): 7.37

QC sample is within range 21.1 - 25.8

~~~~~~

Se ID: CCB Seq. No.: 00024 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 16:37
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.000
~~~~~~

Concentration (ug/L): -0.2

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 16:40
Peak Area (A-s): 0.001 Peak Height (A): 0.011
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.3

Mean Conc (ug/L): -0.8 SD: 0.73 RSD(%): 96.56

QC sample is within range

~~~~~~

Se ID: 7XX-JM4353 SS33 Seq. No.: 00025 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 7
Replicate 1 (Peak Stored) Time: 16:43
Peak Area (A-s): 0.001 Peak Height (A): 0.062
Background Pk Area (A-s): 1.389 Background Pk Height (A): 1.777
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1

uL dispensed: 5 from 39, 15 from 0, 25 from 7
Replicate 2 (Peak Stored) Time: 16:47
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.402 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1

Mean Conc (ug/L): -0.6Q SD: 0.68 RSD(%): 109.50

~~~~~~

Se ID: 7XX-JM4353 SS33 Seq. No.: 00026 A/S Pos.: 7 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 7
Replicate 1 (Peak Stored) Time: 16:50
Peak Area (A-s): 0.022 Peak Height (A): 0.059
Background Pk Area (A-s): 0.390 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.7

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 7
Replicate 2 (Peak Stored) Time: 16:54
Peak Area (A-s): 0.024 Peak Height (A): 0.055
Background Pk Area (A-s): 0.396 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.4

Mean Conc (ug/L): 6.0 SD: 0.50 RSD(%): 8.29

Recovery is ~~66.1%~~ 60.0% 3.16.94 (outside of specified limits)

~~~~~~

Se ID: 7XX-JM4354 SS34 Seq. No.: 00027 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 8
Replicate 1 (Peak Stored) Time: 16:57
Peak Area (A-s): -0.000 Peak Height (A): 0.013
~~~~~~

Background Pk Area (A-s): 0.356 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.5

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uL dispensed: 5 from 39, 15 from 0, 25 from 8
Replicate 2 (Peak Stored) Time: 17:01
Peak Area (A-s): 0.002 Peak Height (A): 0.029
Background Pk Area (A-s): 0.939 Background Pk Height (A): 0.878
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.9

Mean Conc (ug/L): -1.2Q SD: 0.44 RSD(%): 37.68

~~~~~~

Se ID: 7XX-JM4354 SS34 Seq. No.: 00028 A/S Pos.: 8 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 8
Replicate 1 (Peak Stored) Time: 17:04
Peak Area (A-s): 0.019 Peak Height (A): 0.055
Background Pk Area (A-s): 0.366 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.9

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 8
Replicate 2 (Peak Stored) Time: 17:08
Peak Area (A-s): 0.018 Peak Height (A): 0.060
Background Pk Area (A-s): 0.365 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 4.5

Mean Conc (ug/L): 4.7 SD: 0.31 RSD(%): 6.53

Recovery is ~~50.5%~~ 47.09% SB 3-16-94 (outside of specified limits)

~~~~~~

Se ID: 7XX-JM4355 SS35 Seq. No.: 00029 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 1 (Peak Stored) Time: 17:11
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.369 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 2 (Peak Stored) Time: 17:15
Peak Area (A-s): -0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.375 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.9

Mean Conc (ug/L): -1.4 SD: 0.77 RSD(%): 55.81

SB 3-16-94 ~~Bake~~ Bake tube and Rerun ↓

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Se ID: 7XX-JM4355 SS35 Seq. No.: 00030 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 1 (Peak Stored) Time: 17:18
Peak Area (A-s): 0.015 Peak Height (A): 0.055
~~~~~~

Background Pk Area (A-s): 0.377 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 3.6

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 2 (Peak Stored) Time: 17:22
Peak Area (A-s): 0.017 Peak Height (A): 0.051
Background Pk Area (A-s): 0.381 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 4.2

Mean Conc (ug/L): 3.9 SD: 0.40 RSD(%): 10.40

Recovery is 52.6% (outside of specified limits)

~~~~~~

Se ID: CCV-0793 Seq. No.: 00032 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 17:28
Peak Area (A-s): 0.081 Peak Height (A): 0.152
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 25.3

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 17:31
Peak Area (A-s): 0.085 Peak Height (A): 0.158
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.082
Concentration (ug/L): 26.4

Mean Conc (ug/L): 25.9 SD: 0.80 RSD(%): 3.09

QC sample is out of range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00033 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0 BAKED TUBE x Replaced CCV w/Fresh SB 3-16-94

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Se ID: CCV-0793 Seq. No.: 00034 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 17:36
Peak Area (A-s): 0.076 Peak Height (A): 0.155
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.4

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 17:40
Peak Area (A-s): 0.080 Peak Height (A): 0.152
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 25.0

Mean Conc (ug/L): 24.2 SD: 1.11 RSD(%): 4.60
~~~~~~

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00035 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 17:44
Peak Area (A-s): 0.004 Peak Height (A): 0.012
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.2

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 17:47
Peak Area (A-s): -0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.2

Mean Conc (ug/L): -1.2 SD: 1.38 RSD(%): 115.13

QC sample is within range

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Se ID: 7XX-JM4355 SS35 Seq. No.: 00036 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 1 (Peak Stored) Time: 17:50
Peak Area (A-s): 0.001 Peak Height (A): 0.032
Background Pk Area (A-s): 1.148 Background Pk Height (A): 1.244
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.2 U

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 2 (Peak Stored) Time: 17:54
Peak Area (A-s): -0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.385 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): -0.009
Concentration (ug/L): -3.2

Mean Conc (ug/L): -2.2 Q SD: 1.44 RSD(%): 65.68

~~~~~~

Se ID: 7XX-JM4355 SS35 Seq. No.: 00037 A/S Pos.: 9 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 1 (Peak Stored) Time: 17:57
Peak Area (A-s): 0.022 Peak Height (A): 0.060
Background Pk Area (A-s): 0.365 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.8

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 2 (Peak Stored) Time: 18:01
Peak Area (A-s): 0.019 Peak Height (A): 0.060
Background Pk Area (A-s): 1.045 Background Pk Height (A): 1.107
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.9
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Mean Conc (ug/L): 5.4 SD: 0.67 RSD(%): 12.37

Recovery is ~~75.5%~~ 54.0% SB 3-16-94 (outside of specified limits)

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Se ID: 7XX-JM4356 SS36 Seq. No.: 00038 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 10
Replicate 1 (Peak Stored) Time: 18:04
Peak Area (A-s): -0.000 Peak Height (A): 0.015
Background Pk Area (A-s): 0.390 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.6

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uL dispensed: 5 from 39, 15 from 0, 25 from 10
Replicate 2 (Peak Stored) Time: 18:07
Peak Area (A-s): 0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.376 Background Pk Height (A): 0.114
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7

Mean Conc (ug/L): -1.2 Q SD: 0.63 RSD(%): 53.22

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Se ID: 7XX-JM4356 SS36 Seq. No.: 00039 A/S Pos.: 10 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 10
Replicate 1 (Peak Stored) Time: 18:11
Peak Area (A-s): 0.020 Peak Height (A): 0.055
Background Pk Area (A-s): 0.375 Background Pk Height (A): 0.109
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 10
Replicate 2 (Peak Stored) Time: 18:15
Peak Area (A-s): 0.025 Peak Height (A): 0.059
Background Pk Area (A-s): 0.376 Background Pk Height (A): 0.113
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.6

Mean Conc (ug/L): 5.8 SD: 1.06 RSD(%): 18.06

Recovery is ~~70.2%~~ 58.0% SB 3-16-94 (outside of specified limits)

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Se ID: 7XX-JM4357 SS37 Seq. No.: 00040 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 11
Replicate 1 (Peak Stored) Time: 18:19
Peak Area (A-s): 0.006 Peak Height (A): 0.014
Background Pk Area (A-s): 0.376 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.6

uL dispensed: 5 from 39, 15 from 0, 25 from 11
Replicate 2 (Peak Stored) Time: 18:23
Peak Area (A-s): 0.000 Peak Height (A): 0.014
Background Pk Area (A-s): 0.359 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): -0.003
~~~~~~

Concentration (ug/L): -1.4

Mean Conc (ug/L): -0.4 Q SD: 1.47 RSD(%): 359.56

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Se ID: 7XX-JM4357 SS37 Seq. No.: 00041 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 11

Replicate 1 (Peak Stored) Time: 18:26
Peak Area (A-s): 0.017 Peak Height (A): 0.055
Background Pk Area (A-s): 0.367 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 4.0

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 11
Replicate 2 (Peak Stored) Time: 18:30
Peak Area (A-s): 0.020 Peak Height (A): 0.061
Background Pk Area (A-s): 0.362 Background Pk Height (A): 0.111
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.1

Mean Conc (ug/L): 4.5 SD: 0.80 RSD(%): 17.72 SB 3-16-94 Recan

Recovery is 49.5% (outside of specified limits)

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Se ID: 7XX-JM4357 SS37 Seq. No.: 00042 A/S Pos.: 11 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 11
Replicate 1 (Peak Stored) Time: 18:33
Peak Area (A-s): 0.017 Peak Height (A): 0.057
Background Pk Area (A-s): 0.355 Background Pk Height (A): 0.118
Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 4.2

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 11
Replicate 2 (Peak Stored) Time: 18:37
Peak Area (A-s): 0.022 Peak Height (A): 0.056
Background Pk Area (A-s): 1.037 Background Pk Height (A): 1.062
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.8

Mean Conc (ug/L): 5.0 SD: 1.11 RSD(%): 22.12

Recovery is ~~54.1%~~ 50.0% SB 3-16-94 (outside of specified limits)

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Se ID: 7XX-JM4358 SS38 Seq. No.: 00043 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 12
Replicate 1 (Peak Stored) Time: 18:40
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.407 Background Pk Height (A): 0.123
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.2

uL dispensed: 5 from 39, 15 from 0, 25 from 12
Replicate 2 (Peak Stored) Time: 18:43
Peak Area (A-s): 0.002 Peak Height (A): 0.012
~~~~~~

Background Pk Area (A-s): 0.408   Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.5   SD: 0.40   RSD(%): 79.75

~~~~~~

Se ID: 7XX-JM4358 SS38   Seq. No.: 00044   A/S Pos.: 12   Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 1 (Peak Stored)   Time: 18:47
Peak Area (A-s): 0.011   Peak Height (A): 0.043
Background Pk Area (A-s): 0.402   Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 2.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 2 (Peak Stored)   Time: 18:50
Peak Area (A-s): 0.019   Peak Height (A): 0.048
Background Pk Area (A-s): 0.402   Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.8

Mean Conc (ug/L): 3.5   SD: 1.92   RSD(%): 55.42

SB 3-16-94 Rerun ↓

Recovery is 39.6% (outside of specified limits)

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Se ID: CCV-0793   Seq. No.: 00045   A/S Pos.: 38   Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored)   Time: 18:55
Peak Area (A-s): 0.074   Peak Height (A): 0.157
Background Pk Area (A-s): 0.071   Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 22.7

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored)   Time: 18:58
Peak Area (A-s): 0.075   Peak Height (A): 0.146
Background Pk Area (A-s): 0.067   Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.2

Mean Conc (ug/L): 22.9   SD: 0.33   RSD(%): 1.42

QC sample is within range 21.1 - 25.8

~~~~~~

Se ID: CCB   Seq. No.: 00046   A/S Pos.: 0   Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored)   Time: 19:01
Peak Area (A-s): 0.004   Peak Height (A): 0.015
Background Pk Area (A-s): 0.051   Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1

uL dispensed: 5 from 39, 15 from 0, 25 from 0
~~~~~~

Replicate 2 (Peak Stored) Time: 19:05
Peak Area (A-s): 0.002 Peak Height (A): 0.015
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.4 SD: 0.44 RSD(%): 100.26

QC sample is within range

~~~~~~

Se ID: 7XX-JM4358 SS38 Seq. No.: 00047 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 12
Replicate 1 (Peak Stored) Time: 19:08
Peak Area (A-s): -0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.401 Background Pk Height (A): 0.119
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -2.5

uL dispensed: 5 from 39, 15 from 0, 25 from 12
Replicate 2 (Peak Stored) Time: 19:11
Peak Area (A-s): -0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.397 Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.4

Mean Conc (ug/L): -2.5 SD: 0.11 RSD(%): 4.45

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Se ID: 7XX-JM4358 SS38 Seq. No.: 00048 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 1 (Peak Stored) Time: 19:15
Peak Area (A-s): 0.021 Peak Height (A): 0.054
Background Pk Area (A-s): 0.915 Background Pk Height (A): 0.891
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.6

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 2 (Peak Stored) Time: 19:18
Peak Area (A-s): 0.016 Peak Height (A): 0.052
Background Pk Area (A-s): 0.418 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 3.8

Mean Conc (ug/L): 4.7 SD: 1.21 RSD(%): 25.75 Automate Review

Recovery is 71.7% (outside of specified limits)

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Se ID: 7XX-JM4358 SS38 Seq. No.: 00049 A/S Pos.: 12 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 1 (Peak Stored) Time: 19:22
Peak Area (A-s): 0.019 Peak Height (A): 0.055
Background Pk Area (A-s): 0.413 Background Pk Height (A): 0.124
Blank Corrected Pk Area (A-s): 0.015
Concentration (ug/L): 4.7
~~~~~~

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 12
Replicate 2 (Peak Stored) Time: 19:25
Peak Area (A-s): 0.021 Peak Height (A): 0.054
Background Pk Area (A-s): 0.415 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.5

Mean Conc (ug/L): 5.1 SD: 0.59 RSD(%): 11.60

Recovery is ~~75.9%~~ 51.0% 3-16-94 (outside of specified limits)

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Se ID: 7XX-JM4359 SS39 Seq. No.: 00050 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 13
Replicate 1 (Peak Stored) Time: 19:28
Peak Area (A-s): 0.003 Peak Height (A): 0.016
Background Pk Area (A-s): 0.426 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.4

uL dispensed: 5 from 39, 15 from 0, 25 from 13
Replicate 2 (Peak Stored) Time: 19:32
Peak Area (A-s): 0.002 Peak Height (A): 0.011
Background Pk Area (A-s): 0.423 Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.6 Q SD: 0.31 RSD(%): 52.62

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Se ID: 7XX-JM4359 SS39 Seq. No.: 00051 A/S Pos.: 13 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 13
Replicate 1 (Peak Stored) Time: 19:35
Peak Area (A-s): 0.020 Peak Height (A): 0.051
Background Pk Area (A-s): 0.422 Background Pk Height (A): 0.127
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 5.0

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 13
Replicate 2 (Peak Stored) Time: 19:39
Peak Area (A-s): 0.013 Peak Height (A): 0.061
Background Pk Area (A-s): 1.018 Background Pk Height (A): 1.019
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 2.9

Mean Conc (ug/L): 4.0 SD: 1.49 RSD(%): 37.73

Recovery is ~~45.5%~~ 40.0% 3-16-94 (outside of specified limits)

Se @ 4.0 3.16-94 ~~3-16-94 automatic~~ Boron

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Se ID: 7XX-JM4360 SS40 Seq. No.: 00052 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 14
Replicate 1 (Peak Stored) Time: 19:42
Peak Area (A-s): 0.007 Peak Height (A): 0.021
Background Pk Area (A-s): 1.028 Background Pk Height (A): 1.015
Blank Corrected Pk Area (A-s): 0.003
~~~~~~

SB 3-16-94
Rerun

Concentration (ug/L): 0.7

uL dispensed: 5 from 39, 15 from 0, 25 from 14
Replicate 2 (Peak Stored) Time: 19:45
Peak Area (A-s): -0.006 Peak Height (A): 0.012
Background Pk Area (A-s): 0.404 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): -0.009
Concentration (ug/L): -3.3

Mean Conc (ug/L): -1.3 SD: 2.81 RSD(%): 214.72

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Se ID: 7XX-JM4360 SS40 Seq. No.: 00053 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 14 Autosampler failed/printer off line SB 3-16-94

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Se ID: CCV-0793 Seq. No.: 00054 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 19:58
Peak Area (A-s): 0.069 Peak Height (A): 0.157
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 21.3

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 20:02
Peak Area (A-s): 0.077 Peak Height (A): 0.169
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 24.0

Mean Conc (ug/L): 22.7 SD: 1.89 RSD(%): 8.33

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00055 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 20:05
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.0

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 20:08
Peak Area (A-s): -0.000 Peak Height (A): 0.013
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.6

Mean Conc (ug/L): -1.3 SD: 0.40 RSD(%): 30.82

QC sample is within range
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Se ID: 7XX-JM4360 SS40 Seq. No.: 00056 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 14
Replicate 1 (Peak Stored) Time: 20:12
Peak Area (A-s): 0.005 Peak Height (A): 0.020
Background Pk Area (A-s): 0.825 Background Pk Height (A): 0.743
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.0

uL dispensed: 5 from 39, 15 from 0, 25 from 14
Replicate 2 (Peak Stored) Time: 20:15
Peak Area (A-s): 0.004 Peak Height (A): 0.022
Background Pk Area (A-s): 1.001 Background Pk Height (A): 0.990
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.3

Mean Conc (ug/L): -0.1 SD: 0.22 RSD(%): 171.02

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Se ID: 7XX-JM4360 SS40 Seq. No.: 00057 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 14
Replicate 1 (Peak Stored) Time: 20:18
Peak Area (A-s): 0.021 Peak Height (A): 0.058
Background Pk Area (A-s): 0.959 Background Pk Height (A): 0.917
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.6

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 14
Replicate 2 (Peak Stored) Time: 20:22
Peak Area (A-s): 0.017 Peak Height (A): 0.053
Background Pk Area (A-s): 1.027 Background Pk Height (A): 1.049
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 4.1

Mean Conc (ug/L): 4.8 SD: 1.07 RSD(%): 22.28 SB 3-16-94 Automatic Rerun

Recovery is 49.5% (outside of specified limits)

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Se ID: 7XX-JM4360 SS40 Seq. No.: 00058 A/S Pos.: 14 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 14
Replicate 1 (Peak Stored) Time: 20:25
Peak Area (A-s): 0.022 Peak Height (A): 0.056
Background Pk Area (A-s): 1.043 Background Pk Height (A): 1.064
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.9

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 14
Replicate 2 (Peak Stored) Time: 20:29
Peak Area (A-s): 0.021 Peak Height (A): 0.060
Background Pk Area (A-s): 0.942 Background Pk Height (A): 0.966
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.4

Mean Conc (ug/L): 5.6 SD: 0.35 RSD(%): 6.15
~~~~~~

Recovery is ~~57.8%~~ 56.6% (outside of specified limits)
SB 3-16-94

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Se ID: 7XX-JM4361 SS41 Seq. No.: 00059 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 15
Replicate 1 (Peak Stored) Time: 20:32
Peak Area (A-s): 0.004 Peak Height (A): 0.021
Background Pk Area (A-s): 0.774 Background Pk Height (A): 0.774
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1

uL dispensed: 5 from 39, 15 from 0, 25 from 15
Replicate 2 (Peak Stored) Time: 20:35
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.325 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1

W

Mean Conc (ug/L): -0.6 Q SD: 0.70 RSD(%): 125.82

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Se ID: 7XX-JM4361 SS41 Seq. No.: 00060 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 15
Replicate 1 (Peak Stored) Time: 20:39
Peak Area (A-s): 0.020 Peak Height (A): 0.055
Background Pk Area (A-s): 0.774 Background Pk Height (A): 0.780
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 15
Replicate 2 (Peak Stored) Time: 20:42
Peak Area (A-s): 0.027 Peak Height (A): 0.052
Background Pk Area (A-s): 0.778 Background Pk Height (A): 0.811
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 7.3

Mean Conc (ug/L): 6.2 SD: 1.57 RSD(%): 25.34

SB 3-16-94 Automatic Rerun

Recovery is 67.5% (outside of specified limits)

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Se ID: 7XX-JM4361 SS41 Seq. No.: 00061 A/S Pos.: 15 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 15
Replicate 1 (Peak Stored) Time: 20:46
Peak Area (A-s): 0.023 Peak Height (A): 0.060
Background Pk Area (A-s): 0.327 Background Pk Height (A): 0.105
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 6.0

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 15
Replicate 2 (Peak Stored) Time: 20:49
Peak Area (A-s): 0.025 Peak Height (A): 0.063
Background Pk Area (A-s): 0.691 Background Pk Height (A): 0.715
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.7
~~~~~~

Mean Conc (ug/L): 6.3 SD: 0.52 RSD(%): 8.19

Recovery is ~~69.0%~~ 63.0% 5G 3-16-94 (outside of specified limits)

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Se ID: TCLP BLK 3945 Seq. No.: 00062 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 16
Replicate 1 (Peak Stored) Time: 20:53
Peak Area (A-s): 0.007 Peak Height (A): 0.015
Background Pk Area (A-s): 0.554 Background Pk Height (A): 0.631
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.0

uL dispensed: 5 from 39, 15 from 0, 25 from 16
Replicate 2 (Peak Stored) Time: 20:56
Peak Area (A-s): 0.003 Peak Height (A): 0.016
Background Pk Area (A-s): 0.341 Background Pk Height (A): 0.110
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.6

Mean Conc (ug/L): 0.2 SD: 1.13 RSD(%): 653.19

~~~~~~

Se ID: TCLP BLK 3945 Seq. No.: 00063 A/S Pos.: 16 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 16
Replicate 1 (Peak Stored) Time: 21:00
Peak Area (A-s): 0.020 Peak Height (A): 0.058
Background Pk Area (A-s): 0.339 Background Pk Height (A): 0.105
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.2

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 16
Replicate 2 (Peak Stored) Time: 21:03
Peak Area (A-s): 0.022 Peak Height (A): 0.056
Background Pk Area (A-s): 0.330 Background Pk Height (A): 0.105
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 5.8

Mean Conc (ug/L): 5.5 SD: 0.42 RSD(%): 7.58

Recovery is 53.0% (outside of specified limits)

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Se ID: CCV-0793 Seq. No.: 00064 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 21:08
Peak Area (A-s): 0.075 Peak Height (A): 0.153
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.3

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 21:11
Peak Area (A-s): 0.075 Peak Height (A): 0.153
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.071
~~~~~~

Concentration (ug/L): 23.1

Mean Conc (ug/L): 23.2 SD: 0.15 RSD(%): 0.66

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00065 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 21:15
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.9

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 21:18
Peak Area (A-s): -0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.8

Mean Conc (ug/L): -1.8 SD: 0.12 RSD(%): 6.64

QC sample is within range

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Se ID: PBL-N7R3948 Seq. No.: 00066 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 1 (Peak Stored) Time: 21:21
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.9

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 2 (Peak Stored) Time: 21:25
Peak Area (A-s): 0.005 Peak Height (A): 0.018
Background Pk Area (A-s): 0.128 Background Pk Height (A): 0.134
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.0

Mean Conc (ug/L): -0.4 SD: 0.66 RSD(%): 157.74

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Se ID: PBL-N7R3948 Seq. No.: 00067 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17
Replicate 1 (Peak Stored) Time: 21:28
Peak Area (A-s): 0.024 Peak Height (A): 0.064
Background Pk Area (A-s): 0.147 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17
Replicate 2 (Peak Stored) Time: 21:32
Peak Area (A-s): 0.025 Peak Height (A): 0.054
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Background Pk Area (A-s): 0.156   Background Pk Height (A): 0.164
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.8

Mean Conc (ug/L):   6.6   SD: 0.29   RSD(%): 4.45

Recovery is 70.0% (outside of specified limits)

~~~~~~

Se   ID: CCV-0793   Seq. No.: 00068   A/S Pos.: 38   Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored)   Time: 21:36
Peak Area (A-s): 0.080   Peak Height (A): 0.172
Background Pk Area (A-s): 0.069   Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.077
Concentration (ug/L): 24.9

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored)   Time: 21:40
Peak Area (A-s): 0.075   Peak Height (A): 0.167
Background Pk Area (A-s): 0.077   Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.3

Mean Conc (ug/L):   24.1   SD: 1.17   RSD(%): 4.84

QC sample is within range 21.1 - 25.8

~~~~~~

Se   ID: CCB   Seq. No.: 00069   A/S Pos.: 0   Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored)   Time: 21:43
Peak Area (A-s): -0.001   Peak Height (A): 0.012
Background Pk Area (A-s): 0.058   Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.9

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored)   Time: 21:46
Peak Area (A-s): -0.001   Peak Height (A): 0.011
Background Pk Area (A-s): 0.059   Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -1.7

Mean Conc (ug/L):   -1.8   SD: 0.16   RSD(%): 8.87

QC sample is within range

~~~~~~

Se   ID: PBL-N7R3948   Seq. No.: 00070   A/S Pos.: 17   Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 1 (Peak Stored)   Time: 21:50
Peak Area (A-s): -0.003   Peak Height (A): 0.013
Background Pk Area (A-s): 0.057   Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.3
~~~~~~

uL dispensed: 5 from 39, 15 from 0, 25 from 17 Autosampler failed SB 3-16-94

Se ID: PBL-N7R3948 Seq. No.: 00071 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 1 (Peak Stored) Time: 21:57
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.1

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 2 (Peak Stored) Time: 22:01
Peak Area (A-s): -0.001 Peak Height (A): 0.013
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -1.9

Mean Conc (ug/L): -0.9 SD: 1.40 RSD(%): 156.22

Se ID: PBL-N7R3948 Seq. No.: 00072 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17
Replicate 1 (Peak Stored) Time: 22:04
Peak Area (A-s): 0.025 Peak Height (A): 0.078
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.7

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17 FAILED SB 3-16-94

Se ID: PBL-N7R3948 Seq. No.: 00073 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 1 (Peak Stored) Time: 22:14
Peak Area (A-s): 0.008 Peak Height (A): 0.012
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.3

uL dispensed: 5 from 39, 15 from 0, 25 from 17
Replicate 2 (Peak Stored) Time: 22:18
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7

Mean Conc (ug/L): 0.3 Q SD: 1.37 RSD(%): 478.74

Se ID: PBL-N7R3948 Seq. No.: 00074 A/S Pos.: 17 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17
Replicate 1 (Peak Stored) Time: 22:21
Peak Area (A-s): 0.036 Peak Height (A): 0.085
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 10.5

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 17
Replicate 2 (Peak Stored) Time: 22:25
Peak Area (A-s): 0.041 Peak Height (A): 0.094
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 11.9

Mean Conc (ug/L): 11.2 SD: 1.00 RSD(%): 8.89

Recovery is 109.3%

~~~~~~

Se ID: LCSL-N7R3948 Seq. No.: 00075 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 18
Replicate 1 (Peak Stored) Time: 22:28
Peak Area (A-s): 0.074 Peak Height (A): 0.180
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 22.8

SB 3-16-94 Refill with fresh LCSS and rerun ↓

uL dispensed: 5 from 39, 15 from 0, 25 from 18
Replicate 2 (Peak Stored) Time: 22:31
Peak Area (A-s): 0.076 Peak Height (A): 0.175
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 23.6

Mean Conc (ug/L): 23.2 SD: 0.57 RSD(%): 2.48

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Se ID: LCSL-N7R3948 Seq. No.: 00076 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 18
Replicate 1 (Peak Stored) Time: 22:35
Peak Area (A-s): 0.065 Peak Height (A): 0.154
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.062
Concentration (ug/L): 20.0

uL dispensed: 5 from 39, 15 from 0, 25 from 18
Replicate 2 (Peak Stored) Time: 22:39
Peak Area (A-s): 0.070 Peak Height (A): 0.162
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 21.7

Mean Conc (ug/L): 20.9 SD: 1.17 RSD(%): 5.61

~~~~~~

Se ID: LCSL-N7R3948 Seq. No.: 00077 A/S Pos.: 18 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 18
Replicate 1 (Peak Stored) Time: 22:42
Peak Area (A-s): 0.093 Peak Height (A): 0.225
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 29.1
~~~~~~

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 18
Replicate 2 (Peak Stored) Time: 22:46
Peak Area (A-s): 0.102 Peak Height (A): 0.234
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 32.1

Mean Conc (ug/L): 30.6 SD: 2.09 RSD(%): 6.82

Recovery is 97.4%

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Se ID: 7SM-JM4369 MTXS Seq. No.: 00078 A/S Pos.: 19 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 19
Replicate 1 (Peak Stored) Time: 22:49
Peak Area (A-s): 0.050 Peak Height (A): 0.115
Background Pk Area (A-s): 0.429 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 15.1

uL dispensed: 5 from 39, 15 from 0, 25 from 19
Replicate 2 (Peak Stored) Time: 22:53
Peak Area (A-s): 0.060 Peak Height (A): 0.128
Background Pk Area (A-s): 0.427 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 18.4

Mean Conc (ug/L): 16.7 SD: 2.32 RSD(%): 13.88

~~~~~~

Se ID: 7SD-JM4369 MTXR Seq. No.: 00079 A/S Pos.: 20 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 1 (Peak Stored) Time: 22:56
Peak Area (A-s): 0.052 Peak Height (A): 0.117
Background Pk Area (A-s): 0.436 Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 15.6

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 2 (Peak Stored) Time: 22:59
Peak Area (A-s): 0.057 Peak Height (A): 0.118
Background Pk Area (A-s): 0.432 Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 17.2

Mean Conc (ug/L): 16.4 SD: 1.15 RSD(%): 7.04

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Se ID: 7XX-JM4369 S11D Seq. No.: 00080 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 21

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Se ID: CCV-0793 Seq. No.: 00081 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 23:05
Peak Area (A-s): 0.092 Peak Height (A): 0.191

Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 28.7

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 23:08
Peak Area (A-s): 0.060 Peak Height (A): 0.131
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.038
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 18.3

Mean Conc (ug/L): 23.5 SD: 7.33 RSD(%): 31.17

SB 3-16-94 Automatic rerun

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Se ID: CCV-0793 Seq. No.: 00082 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 23:12
Peak Area (A-s): 0.093 Peak Height (A): 0.188
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 29.0

uL dispensed: 5 from 39, 15 from 0, 25 from 38 Adjusted autosampler tip and baked tube. SB 3-16-94

~~~~~~

Se ID: CCV-0793 Seq. No.: 00083 A/S Pos.: 38 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 23:17
Peak Area (A-s): 0.067 Peak Height (A): 0.159
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.064
Concentration (ug/L): 20.6

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 23:20
Peak Area (A-s): 0.072 Peak Height (A): 0.157
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 22.4

Mean Conc (ug/L): 21.5 SD: 1.25 RSD(%): 5.82

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00084 A/S Pos.: 0 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 23:23
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 23:26
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.023
~~~~~~

Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.9

Mean Conc (ug/L): -0.8 SD: 0.10 RSD(%): 12.51

QC sample is within range

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Se ID: 7XX-JM4369 S11D Seq. No.: 00085 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 21
Replicate 1 (Peak Stored) Time: 23:30
Peak Area (A-s): 0.008 Peak Height (A): 0.014
Background Pk Area (A-s): 0.405 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.2

uL dispensed: 5 from 39, 15 from 0, 25 from 21
Replicate 2 (Peak Stored) Time: 23:33
Peak Area (A-s): 0.001 Peak Height (A): 0.014
Background Pk Area (A-s): 0.415 Background Pk Height (A): 0.132
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.[illegible]

Mean Conc (ug/L): [illegible] SD: 1.74 RSD(%): 1390.25

~~~~~~

Se ID: 7XX-JM4369 S11D Seq. No.: 00086 A/S Pos.: 21 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 21
Replicate 1 (Peak Stored) Time: 23:37
Peak Area (A-s): 0.028 Peak Height (A): 0.059
Background Pk Area (A-s): 0.413 Background Pk Height (A): 0.134
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.6

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 21
Replicate 2 (Peak Stored) Time: 23:41
Peak Area (A-s): 0.028 Peak Height (A): 0.063
Background Pk Area (A-s): 0.413 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 7.7

Mean Conc (ug/L): 7.7 SD: 0.06 RSD(%): 0.73

Recovery is 75.8% (outside of specified limits)

~~~~~~

Se ID: 7XX-JM4369 DUP Seq. No.: 00087 A/S Pos.: 22 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 22
Replicate 1 (Peak Stored) Time: 23:44
Peak Area (A-s): 0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.424 Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.6

uL dispensed: 5 from 39, 15 from 0, 25 from 22
Replicate 2 (Peak Stored) Time: 23:48
~~~~~~

Peak Area (A-s): 0.008 Peak Height (A): 0.013
Background Pk Area (A-s): 0.422 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.0

Mean Conc (ug/L): 0.2 Q SD: 1.18 RSD(%): 591.43

~~~~~~

Se ID: 7XX-JM4369 DUP Seq. No.: 00088 A/S Pos.: 22 Date: 03/16/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 22
Replicate 1 (Peak Stored) Time: 23:51
Peak Area (A-s): 0.020 Peak Height (A): 0.070
Background Pk Area (A-s): 0.433 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 5.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 22
Replicate 2 (Peak Stored) Time: 23:55
Peak Area (A-s): 0.019 Peak Height (A): 0.058
Background Pk Area (A-s): 0.436 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 4.7

Mean Conc (ug/L): 4.9 SD: 0.22 RSD(%): 4.49

Recovery is 47.0% (outside of specified limits)

~~~~~~

Se ID: 7XX-JM4363 SS43 Seq. No.: 00089 A/S Pos.: 23 Date: 03/16/94

uL dispensed: 5 from 39, 15 from 0, 25 from 23
Replicate 1 (Peak Stored) Time: 23:58
Peak Area (A-s): 0.005 Peak Height (A): 0.018
Background Pk Area (A-s): 0.399 Background Pk Height (A): 0.129
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.2

uL dispensed: 5 from 39, 15 from 0, 25 from 23
Replicate 2 (Peak Stored) Time: 00:02
Peak Area (A-s): 0.006 Peak Height (A): 0.013
Background Pk Area (A-s): 0.405 Background Pk Height (A): 0.131
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.4

Mean Conc (ug/L): 0.3 Q SD: 0.21 RSD(%): 67.77

~~~~~~

Se ID: 7XX-JM4363 SS43 Seq. No.: 00090 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 23
Replicate 1 (Peak Stored) Time: 00:05
Peak Area (A-s): 0.030 Peak Height (A): 0.068
Background Pk Area (A-s): 0.407 Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 8.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 23
Replicate 2 (Peak Stored) Time: 00:09
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Peak Area (A-s): 0.024 Peak Height (A): 0.075
Background Pk Area (A-s): 0.402 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.5

Mean Conc (ug/L): 7.4 SD: 1.35 RSD(%): 18.09

SFB 3-16-94 Rerun

Recovery is 71.4% (outside of specified limits)

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Se ID: 7XX-JM4363 SS43 Seq. No.: 00091 A/S Pos.: 23 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 23
Replicate 1 (Peak Stored) Time: 00:12
Peak Area (A-s): 0.027 Peak Height (A): 0.076
Background Pk Area (A-s): 0.411 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 7.3

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 23
Replicate 2 (Peak Stored) Time: 00:16
Peak Area (A-s): 0.029 Peak Height (A): 0.075
Background Pk Area (A-s): 0.414 Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 8.1

Mean Conc (ug/L): 7.7 SD: 0.53 RSD(%): 6.84

Recovery is 73.9% (outside of specified limits)

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Se ID: 7XX-JM4364 SS44 Seq. No.: 00092 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 24
Replicate 1 (Peak Stored) Time: 00:20
Peak Area (A-s): -0.003 Peak Height (A): 0.011
Background Pk Area (A-s): 0.385 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -2.6

W

uL dispensed: 5 from 39, 15 from 0, 25 from 24
Replicate 2 (Peak Stored) Time: 00:23
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.378 Background Pk Height (A): 0.123
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.1

Mean Conc (ug/L): -1.2 Q SD: 1.92 RSD(%): 157.92

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Se ID: 7XX-JM4364 SS44 Seq. No.: 00093 A/S Pos.: 24 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 24
Replicate 1 (Peak Stored) Time: 00:27
Peak Area (A-s): 0.020 Peak Height (A): 0.067
Background Pk Area (A-s): 0.776 Background Pk Height (A): 0.709
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 5.1
~~~~~~

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 24
Replicate 2 (Peak Stored) Time: 00:31
Peak Area (A-s): 0.022 Peak Height (A): 0.069
Background Pk Area (A-s): 0.405 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.7

Mean Conc (ug/L): 5.4 SD: 0.42 RSD(%): 7.73

Recovery is ~~66.3%~~ 54.0% SB 3.16.94 (outside of specified limits)

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Se ID: CCV-0793 Seq. No.: 00094 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 00:34
Peak Area (A-s): 0.075 Peak Height (A): 0.150
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.3

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 00:38
Peak Area (A-s): 0.078 Peak Height (A): 0.156
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 24.1

Mean Conc (ug/L): 23.7 SD: 0.58 RSD(%): 2.46

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00095 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 00:41
Peak Area (A-s): 0.003 Peak Height (A): 0.015
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.5

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 00:44
Peak Area (A-s): 0.001 Peak Height (A): 0.014
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1

Mean Conc (ug/L): -0.8 SD: 0.38 RSD(%): 48.46

QC sample is within range

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Se ID: 7XX-JM4365 SS45 Seq. No.: 00096 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 25
Replicate 1 (Peak Stored) Time: 00:48
Peak Area (A-s): 0.004 Peak Height (A): 0.013
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Background Pk Area (A-s): 0.427 Background Pk Height (A): 0.138
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.0

uL dispensed: 5 from 39, 15 from 0, 25 from 25
Replicate 2 (Peak Stored) Time: 00:51
Peak Area (A-s): -0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.438 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.2

Mean Conc (ug/L): -1.1 Q SD: 1.54 RSD(%): 138.62

~~~~~~

Se ID: 7XX-JM4365 SS45 Seq. No.: 00097 A/S Pos.: 25 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 25
Replicate 1 (Peak Stored) Time: 00:55
Peak Area (A-s): 0.021 Peak Height (A): 0.070
Background Pk Area (A-s): 0.870 Background Pk Height (A): 0.752
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 25
Replicate 2 (Peak Stored) Time: 00:58
Peak Area (A-s): 0.024 Peak Height (A): 0.074
Background Pk Area (A-s): 0.470 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.4

Mean Conc (ug/L): 5.9 SD: 0.75 RSD(%): 12.67

Recovery is ~~70.8%~~ 59.0% (outside of specified limits)
3.16.94

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Se ID: 7XX-JM4366 SS46 Seq. No.: 00098 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 26
Replicate 1 (Peak Stored) Time: 01:02
Peak Area (A-s): -0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.475 Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.1

uL dispensed: 5 from 39, 15 from 0, 25 from 26
Replicate 2 (Peak Stored) Time: 01:05
Peak Area (A-s): -0.002 Peak Height (A): 0.015
Background Pk Area (A-s): 0.477 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.1

Mean Conc (ug/L): -2.1 Q SD: 0.01 RSD(%): 0.62

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Se ID: 7XX-JM4366 SS46 Seq. No.: 00099 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 26
Replicate 1 (Peak Stored) Time: 01:09
Peak Area (A-s): 0.022 Peak Height (A): 0.056
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Background Pk Area (A-s): 0.477 Background Pk Height (A): 0.154
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 3.8

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 26
Replicate 2 (Peak Stored) Time: 01:12
Peak Area (A-s): 0.030 Peak Height (A): 0.051
Background Pk Area (A-s): 0.478 Background Pk Height (A): 0.155
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 8.3

Mean Conc (ug/L): 7.1 SD: 1.80 RSD(%): 25.45

SB 3-16-94 Automatic Error

Recovery is 91.9%

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Se ID: 7XX-JM4366 SS46 Seq. No.: 00100 A/S Pos.: 26 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 26
Replicate 1 (Peak Stored) Time: 01:16
Peak Area (A-s): 0.027 Peak Height (A): 0.059
Background Pk Area (A-s): 0.992 Background Pk Height (A): 0.865
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 26
Replicate 2 (Peak Stored) Time: 01:19
Peak Area (A-s): 0.031 Peak Height (A): 0.055
Background Pk Area (A-s): 0.478 Background Pk Height (A): 0.159
Blank Corrected Pk Area (A-s): 0.028
Concentration (ug/L): 8.8

Mean Conc (ug/L): 8.1 SD: 1.00 RSD(%): 12.25

Recovery is ~~102.5%~~ 81.0% 3-16-94

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Se ID: 7XX-JM4367 DS10 Seq. No.: 00101 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 27
Replicate 1 (Peak Stored) Time: 01:23
Peak Area (A-s): 0.002 Peak Height (A): 0.014
Background Pk Area (A-s): 0.479 Background Pk Height (A): 0.160
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7

uL dispensed: 5 from 39, 15 from 0, 25 from 27
Replicate 2 (Peak Stored) Time: 01:26
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.470 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.0

Mean Conc (ug/L): 0.2 Q SD: 1.14 RSD(%): 736.13

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Se ID: 7XX-JM4367 DS10 Seq. No.: 00102 A/S Pos.: 27 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 27
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Replicate 1 (Peak Stored) Time: 01:30
Peak Area (A-s): 0.028 Peak Height (A): 0.064
Background Pk Area (A-s): 0.480 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.6

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 27
Replicate 2 (Peak Stored) Time: 01:33
Peak Area (A-s): 0.026 Peak Height (A): 0.068
Background Pk Area (A-s): 0.490 Background Pk Height (A): 0.156
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 7.2

Mean Conc (ug/L): 7.4 SD: 0.26 RSD(%): 3.55

Recovery is 72.6% (outside of specified limits)

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Se ID: 7XX-JM4368 DS11 Seq. No.: 00103 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 28

Replicate 1 (Peak Stored) Time: 01:36
Peak Area (A-s): 0.001 Peak Height (A): 0.012
Background Pk Area (A-s): 0.470 Background Pk Height (A): 0.147
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1

uL dispensed: 5 from 39, 15 from 0, 25 from 28
Replicate 2 (Peak Stored) Time: 01:40
Peak Area (A-s): 0.004 Peak Height (A): 0.017
Background Pk Area (A-s): 0.451 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.2

ω

Mean Conc (ug/L): -0.6 9 SD: 0.65 RSD(%): 102.81

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Se ID: 7XX-JM4368 DS11 Seq. No.: 00104 A/S Pos.: 28 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 28
Replicate 1 (Peak Stored) Time: 01:43
Peak Area (A-s): 0.023 Peak Height (A): 0.071
Background Pk Area (A-s): 0.458 Background Pk Height (A): 0.150
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 6.1

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 28
Replicate 2 (Peak Stored) Time: 01:47
Peak Area (A-s): 0.025 Peak Height (A): 0.070
Background Pk Area (A-s): 0.465 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.7

Mean Conc (ug/L): 6.4 SD: 0.37 RSD(%): 5.86

Recovery is ~~70.2%~~ 64.0% (outside of specified limits)
SB 3-18-94

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Se ID: CCV-0793 Seq. No.: 00106 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 01:51
Peak Area (A-s): 0.070 Peak Height (A): 0.153
Background Pk Area (A-s): 0.074 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 21.5

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 01:54
Peak Area (A-s): 0.090 Peak Height (A): 0.186
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.050
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 28.1

Mean Conc (ug/L): 24.8 SD: 4.69 RSD(%): 18.94

Automatic Rerun SO 3-16-94

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Se ID: CCV-0793 Seq. No.: 00107 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 01:58
Peak Area (A-s): 0.072 Peak Height (A): 0.153
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 22.2

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 02:01
Peak Area (A-s): 0.070 Peak Height (A): 0.150
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 21.7

Mean Conc (ug/L): 21.9 SD: 0.36 RSD(%): 1.63

QC sample is within range 21.1 - 25.8

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Se ID: CCB Seq. No.: 00108 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 02:04
Peak Area (A-s): 0.005 Peak Height (A): 0.013
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.3

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 02:08
Peak Area (A-s): 0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.2 SD: 0.75 RSD(%): 336.50
~~~~~~

QC sample is within range

Se ID: TCLP BLK 3948 Seq. No.: 00109 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 29
Replicate 1 (Peak Stored) Time: 02:11
Peak Area (A-s): -0.002 Peak Height (A): 0.032
Background Pk Area (A-s): 0.820 Background Pk Height (A): 0.684
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.3

uL dispensed: 5 from 39, 15 from 0, 25 from 29
Replicate 2 (Peak Stored) Time: 02:14
Peak Area (A-s): -0.003 Peak Height (A): 0.013
Background Pk Area (A-s): 0.419 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.4

Mean Conc (ug/L): -2.3 SD: 0.07 RSD(%): 2.96

~~~~~~

Se ID: TCLP BLK 3948 Seq. No.: 00110 A/S Pos.: 29 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 29
Replicate 1 (Peak Stored) Time: 02:18
Peak Area (A-s): 0.026 Peak Height (A): 0.069
Background Pk Area (A-s): 0.875 Background Pk Height (A): 0.731
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 7.0

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 29
Replicate 2 (Peak Stored) Time: 02:21
Peak Area (A-s): 0.029 Peak Height (A): 0.066
Background Pk Area (A-s): 0.898 Background Pk Height (A): 0.784
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 8.1

Mean Conc (ug/L): 7.5 SD: 0.75 RSD(%): 9.98

Recovery is 98.4%

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Se ID: CCV-0793 Seq. No.: 00111 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 02:25
Peak Area (A-s): 0.071 Peak Height (A): 0.159
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L): 21.9

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 02:28
Peak Area (A-s): 0.075 Peak Height (A): 0.162
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 23.3

Mean Conc (ug/L): 22.6 SD: 1.05 RSD(%): 4.63

QC sample is within range 21.1 - 25.8

~~~~~~

Se ID: CCB Seq. No.: 00112 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 02:31
Peak Area (A-s): 0.005 Peak Height (A): 0.016
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.1

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 02:35
Peak Area (A-s): -0.003 Peak Height (A): 0.015
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.006
Concentration (ug/L): -2.4

Mean Conc (ug/L): -1.2 SD: 1.74 RSD(%): 148.32

QC sample is within range

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Se ID: PBW-Q1R3939 Seq. No.: 00113 A/S Pos.: 9 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 1 (Peak Stored) Time: 02:39
Peak Area (A-s): -0.002 Peak Height (A): 0.012
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): -0.005
Concentration (ug/L): -2.1

uL dispensed: 5 from 39, 15 from 0, 25 from 9
Replicate 2 (Peak Stored) Time: 02:43
Peak Area (A-s): 0.004 Peak Height (A): 0.024
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.167
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.2

Mean Conc (ug/L): -1.2 SD: 1.34 RSD(%): 113.44

~~~~~~

Se ID: PBW-Q1R3939 Seq. No.: 00114 A/S Pos.: 9 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 1 (Peak Stored) Time: 02:46
Peak Area (A-s): 0.030 Peak Height (A): 0.064
Background Pk Area (A-s): 0.213 Background Pk Height (A): 0.247
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 8.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 2 (Peak Stored) Time: 02:50
Peak Area (A-s): 0.036 Peak Height (A): 0.082
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.033
~~~~~~

Concentration (ug/L): 10.3

Mean Conc (ug/L): 9.3 SD: 1.41 RSD(%): 15.06

Recovery is 105.3%

Review SB 3/16/94

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Se ID: PBW-Q1R3939 Seq. No.: 00115 A/S Pos.: 9 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 1 (Peak Stored) Time: 02:53
Peak Area (A-s): 0.039 Peak Height (A): 0.085
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 11.4

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 9
Replicate 2 (Peak Stored) Time: 02:57
Peak Area (A-s): 0.036 Peak Height (A): 0.086
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 10.4

Mean Conc (ug/L): 10.9 SD: 0.69 RSD(%): 6.30

Recovery is ~~120.9%~~ 109.0% (~~outside of specified limits~~) BR 3/23/94

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Se ID: 1XX-JM4645 OJ-7 Seq. No.: 00116 A/S Pos.: 16 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 16
Replicate 1 (Peak Stored) Time: 03:00
Peak Area (A-s): 0.003 Peak Height (A): 0.014
Background Pk Area (A-s): 0.053 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.5 Corrected Conc (ug/L): -2.

W

uL dispensed: 5 from 39, 15 from 0, 25 from 16
Replicate 2 (Peak Stored) Time: 03:03
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.2 Corrected Conc (ug/L): -1.

Mean Conc (ug/L): -0.4 Q SD: 0.20 RSD(%): 55.27
Corrected Conc (ug/L): -2.

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Se ID: 1XX-JM4645 OJ-7 Seq. No.: 00117 A/S Pos.: 16 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 16
Replicate 1 (Peak Stored) Time: 03:07
Peak Area (A-s): 0.026 Peak Height (A): 0.060
Background Pk Area (A-s): 0.099 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.9 Corrected Conc (ug/L): 35.

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 16
Replicate 2 (Peak Stored) Time: 03:10
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Peak Area (A-s): 0.026 Peak Height (A): 0.058
Background Pk Area (A-s): 0.103 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 7.2 Corrected Conc (ug/L): 36.

Mean Conc (ug/L): 7.0 SD: 0.16 RSD(%): 2.24
Corrected Conc (ug/L): 35.

Recovery is 74.0% (outside of specified limits)

~~~~~~

Se ID: 1XX-JM4649 MW-1 Seq. No.: 00118 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 1 (Peak Stored) Time: 03:14
Peak Area (A-s): 0.008 Peak Height (A): 0.016
Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.108
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.2 Corrected Conc (ug/L): 6.

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 2 (Peak Stored) Time: 03:17
Peak Area (A-s): 0.002 Peak Height (A): 0.013
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.7 Corrected Conc (ug/L): -3.

Mean Conc (ug/L): 0.3 SD: 1.34 RSD(%): 518.92
Corrected Conc (ug/L): 1.

SD 3-16-94
NO POSTSPIKE
Rerun

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Se ID: 1XX-JM4651 MW-2 Seq. No.: 00119 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 21
Replicate 1 (Peak Stored) Time: 03:21
Peak Area (A-s): 0.002 Peak Height (A): 0.017
Background Pk Area (A-s): 0.117 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.8 Corrected Conc (ug/L): -4.

W

uL dispensed: 5 from 39, 15 from 0, 25 from 21
Replicate 2 (Peak Stored) Time: 03:24
Peak Area (A-s): 0.009 Peak Height (A): 0.021
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 1.5 Corrected Conc (ug/L): 7.

Mean Conc (ug/L): 0.4 a SD: 1.59 RSD(%): 448.92
Corrected Conc (ug/L): 2.

~~~~~~

Se ID: 1XX-JM4651 MW-2 Seq. No.: 00120 A/S Pos.: 21 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 21
Replicate 1 (Peak Stored) Time: 03:28
Peak Area (A-s): 0.022 Peak Height (A): 0.069
Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.6 Corrected Conc (ug/L): 28.
~~~~~~

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 21
Replicate 2 (Peak Stored) Time: 03:31
Peak Area (A-s): 0.025 Peak Height (A): 0.064
Background Pk Area (A-s): 0.131 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 6.6 Corrected Conc (ug/L): 33.

Mean Conc (ug/L): 6.1 SD: 0.69 RSD(%): 11.19
Corrected Conc (ug/L): 31.

Recovery is 57.8% (outside of specified limits)

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Se ID: CCV-0793 Seq. No.: 00121 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38

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Se ID: 1XX-JM4649 MW-1 Seq. No.: 00122 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 1 (Peak Stored) Time: 03:39
Peak Area (A-s): 0.001 Peak Height (A): 0.015
Background Pk Area (A-s): 0.088 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.1 Corrected Conc (ug/L): -5.

uL dispensed: 5 from 39, 15 from 0, 25 from 20
Replicate 2 (Peak Stored) Time: 03:43
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1 Corrected Conc (ug/L): -1.

Mean Conc (ug/L): -0.6 SD: 0.68 RSD(%): 111.12
Corrected Conc (ug/L): -3.

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Se ID: 1XX-JM4649 MW-1 Seq. No.: 00123 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 20
Replicate 1 (Peak Stored) Time: 03:46
Peak Area (A-s): 0.034 Peak Height (A): 0.077
Background Pk Area (A-s): 0.089 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 9.6 Corrected Conc (ug/L): 48.

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 20
Replicate 2 (Peak Stored) Time: 03:50
Peak Area (A-s): 0.027 Peak Height (A): 0.081
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 7.5 Corrected Conc (ug/L): 38.

Mean Conc (ug/L): 8.6 SD: 1.46 RSD(%): 16.98 SB 3.16.94
Corrected Conc (ug/L): 43.

automatic Rerun

Recovery is ~~92.0%~~ 86.0% SB 3.16.94
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Se ID: 1XX-JM4649 MW-1 Seq. No.: 00124 A/S Pos.: 20 Date: 03/17/94

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 20
Replicate 1 (Peak Stored) Time: 03:53
Peak Area (A-s): 0.028 Peak Height (A): 0.077
Background Pk Area (A-s): 0.090 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 7.9 Corrected Conc (ug/L): 39.

uL dispensed: 5 from 39, 10 from 0, 5 from 40, 25 from 20
Replicate 2 (Peak Stored) Time: 03:57
Peak Area (A-s): 0.025 Peak Height (A): 0.068
Background Pk Area (A-s): 0.093 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 6.8 Corrected Conc (ug/L): 34.

Mean Conc (ug/L): 7.4 SD: 0.74 RSD(%): 10.02
Corrected Conc (ug/L): 37.

Recovery is 79.9% (outside of specified limits)

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Se ID: CCV-0793 Seq. No.: 00125 A/S Pos.: 38 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 1 (Peak Stored) Time: 04:00
Peak Area (A-s): 0.073 Peak Height (A): 0.161
Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 22.7

uL dispensed: 5 from 39, 15 from 0, 25 from 38
Replicate 2 (Peak Stored) Time: 04:04
Peak Area (A-s): 0.069 Peak Height (A): 0.153
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 21.4

Mean Conc (ug/L): 22.0 SD: 0.92 RSD(%): 4.16

QC sample is within range 21.1 - 25.8

~~~~~~

Se ID: CCB .. Seq. No.: 00126 A/S Pos.: 0 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 1 (Peak Stored) Time: 04:07
Peak Area (A-s): 0.004 Peak Height (A): 0.014
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.2

uL dispensed: 5 from 39, 15 from 0, 25 from 0
Replicate 2 (Peak Stored) Time: 04:10
Peak Area (A-s): 0.007 Peak Height (A): 0.013
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.0
~~~~~~

Mean Conc (ug/L): 0.4 SD: 0.82 RSD(%): 209.44

QC sample is within range

~~~~~~

Se ID: CRA-0795 Seq. No.: 00127 A/S Pos.: 36 Date: 03/17/94

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 1 (Peak Stored) Time: 04:14
Peak Area (A-s): 0.021 Peak Height (A): 0.039
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.219
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 5.4

uL dispensed: 5 from 39, 15 from 0, 25 from 36
Replicate 2 (Peak Stored) Time: 04:17
Peak Area (A-s): 0.024 Peak Height (A): 0.043
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 6.4

Mean Conc (ug/L): 5.9 SD: 0.66 RSD(%): 11.15

QC sample is within range 3.81 - 6.35
~~~~~~

08:55:10 17 Mar 1994 Folder: hg031794 Protocol: aschg

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 08:55:10 17 Mar 1994 HG

Hg .000 ppb 534
Ave. Int. = 534 S. D. = 0

*** Standard: 1 Rep: 2 Seq: 2 08:58:33 17 Mar 1994 HG

Hg .000 ppb 766
Ave. Int. = 766 S. D. = 0

*** Standard: 1 Rep: 3 Seq: 3 09:01:56 17 Mar 1994 HG

Hg .000 ppb 124
Ave. Int. = 124 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 4 09:05:22 17 Mar 1994 HG

Hg .200 ppb 4672
Ave. Int. = 4672 S. D. = 0

*** Standard: 2 Rep: 2 Seq: 5 09:08:45 17 Mar 1994 HG

Hg .200 ppb 4891
Ave. Int. = 4891 S. D. = 0

*** Standard: 2 Rep: 3 Seq: 6 09:12:08 17 Mar 1994 HG

Hg .200 ppb 4643
Ave. Int. = 4643 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 7 09:15:31 17 Mar 1994 HG

Hg .500 ppb 10353
Ave. Int. = 10353 S. D. = 0

*** Standard: 3 Rep: 2 Seq: 8 09:18:55 17 Mar 1994 HG

Hg .500 ppb 10979
Ave. Int. = 10979 S. D. = 0

*** Standard: 3 Rep: 3 Seq: 9 09:22:19 17 Mar 1994 HG

Hg .500 ppb 10484
Ave. Int. = 10484 S. D. = 0

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 4 Rep: 1 Seq: 10 09:25:42 17 Mar 1994 HG

Hg 2.00 ppb 40358
Ave. Int. = 40358 S. D. = 0

*** Standard: 4 Rep: 2 Seq: 11 09:29:06 17 Mar 1994 HG

Hg 2.00 ppb 41127
Ave. Int. = 41127 S. D. = 0

*** Standard: 4 Rep: 3 Seq: 12 09:32:29 17 Mar 1994 HG

Hg 2.00 ppb 41286
Ave. Int. = 41286 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 13 09:35:52 17 Mar 1994 HG

Hg 5.00 ppb 98049
Ave. Int. = 98049 S. D. = 0

*** Standard: 5 Rep: 2 Seq: 14 09:39:15 17 Mar 1994 HG

Hg 5.00 ppb 96902
Ave. Int. = 96902 S. D. = 0

*** Standard: 5 Rep: 3 Seq: 15 09:42:37 17 Mar 1994 HG

Hg 5.00 ppb 96599
Ave. Int. = 96599 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 16 09:46:00 17 Mar 1994 HG

Hg 10.0 ppb 194300
Ave. Int. = 194300 S. D. = 0

*** Standard: 6 Rep: 2 Seq: 17 09:49:26 17 Mar 1994 HG

Hg 10.0 ppb 184360
Ave. Int. = 184360 S. D. = 0

*** Standard: 6 Rep: 3 Seq: 18 09:52:51 17 Mar 1994 HG

Hg 10.0 ppb 178545
Ave. Int. = 178545 S. D. = 0

Protocol: aschg

Rev: 2.000 Time: 09:53:01 17 Mar 1994

Folder: hg031794 Seq: 19 Print: On

User: Batch: Id: Std6Rep3 Cup: Gas: 0.30 LPM

State: Idle Macro ASCCLP 109 : F3 Print Xmit: Off Autosampler: On

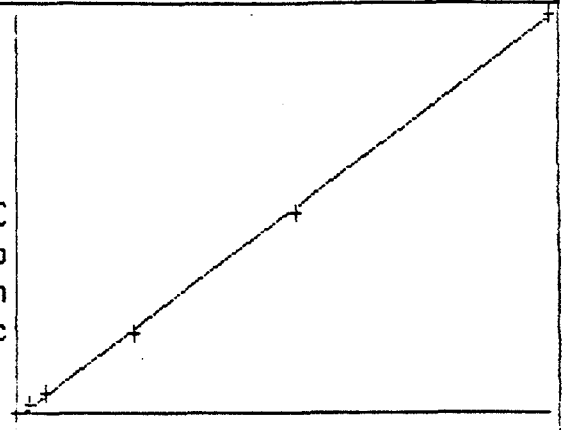
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear	
S1	.000	-.075	-.075	Quadratic	
S2	.200	.155	-.046	WtdLinear	
S3	.500	.471	-.029		C
S4	2.00	2.10	.105	Accept	o
S5	5.00	5.14	.136		n
S6	10.0	9.91	-.091	StdAdd	c

A .0000000 r .999698

B 5.38896e-5 C -1.00668e-1



	Mean	%RSD		Relative Absorbance	
S1	474	68.49	534	766	124
S2	4735	2.86	4672	4891	4643
S3	10685	3.11	10353	10979	10484
S4	40923	1.21	40358	41127	41286
S5	97183	0.79	98849	96902	96599
S6	185735	4.29	194300	184360	178545

New cal coefficients stored

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 1  Ck1          Seq:  19      09:56:16 17 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.555     .200     ppb        .000

*** Check Standard: 1  Ck1          Seq:  20      10:01:18 17 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.222     .200     ppb        .000

*** Check Standard: 2  Ck2          Seq:  21      10:04:40 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.     5.36    5.00  ppb        .000

*** Check Standard: 3  Ck3          Seq:  22      10:08:02 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          1.59     .003    .200  ppb        .000

*** Check Standard: 3  Ck3          Seq:  23      10:11:32 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          48.9     .098    .200  ppb        .000

*** Check Standard: 3  Ck3          Seq:  24      10:16:28 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          76.4     .153    .200  ppb        .000

*** Sample ID: Q1G3961G             Seq:  25      10:19:48 17 Mar 1994 HG
                            MET BLANK
Hg   -.162    ppb       .000     -.162

*** Sample ID: Q1G3961GS            Seq:  26      10:23:06 17 Mar 1994 HG
                            MET SPIKE
Hg    1.95    ppb       .000      1.95

*** Sample ID: JM4781GS             Seq:  27      10:26:25 17 Mar 1994 HG
                            MTX SPIKE
Hg    2.50    ppb       .000      2.50

*** Sample ID: JM4781GR             Seq:  28      10:29:44 17 Mar 1994 HG
                            MTX SPIKE DUP
Hg    2.40    ppb       .000      2.40

*** Sample ID: JM4781               Seq:  29      10:33:02 17 Mar 1994 HG
                            15226N-CLJDWW03
Hg    .500    ppb       .000      .500

*** Sample ID: JM4781               Seq:  30      10:36:24 17 Mar 1994 HG
                            15226N-CLJDWW03
Hg    .667    ppb       .000      .667
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 1 Ck1 Seq: 31 10:39:44 17 Mar 1994 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.146 .200 ppb .000

*** Check Standard: 2 Ck2 Seq: 32 10:43:05 17 Mar 1994 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 111. 5.56 5.00 ppb .000

*** Sample ID: N7G3944R Seq: 33 10:46:26 17 Mar 1994 HG
MET BLANK
Hg -.176 ppb .000 -.176

*** Sample ID: N7G3944R Seq: 34 10:49:45 17 Mar 1994 HG
MET SPIKE
Hg 2.03 ppb .000 2.03

*** Sample ID: JM4362GS Seq: 35 10:53:04 17 Mar 1994 HG
MTX SPIKE
Hg 1.86 ppb .000 1.86

*** Sample ID: JM4362GR Seq: 36 10:56:22 17 Mar 1994 HG
MTX SPIKE DUP
Hg 1.97 ppb .000 1.97

*** Sample ID: JM4362G Seq: 37 10:59:43 17 Mar 1994 HG
Q5226N-CLJCSS42
Hg -.120 ppb .000 -.120

*** Sample ID: JM4362 Seq: 38 11:03:02 17 Mar 1994 HG
REPLICATE
Hg -.063 ppb .000 -.063

*** Sample ID: JM4353 Seq: 39 11:06:19 17 Mar 1994 HG
CLJCSS33
Hg -.102 ppb .000 -.102

*** Sample ID: JM4354 Seq: 40 11:09:36 17 Mar 1994 HG
CLJCSS34
Hg -.139 ppb .000 -.139

*** Sample ID: JM4355 Seq: 41 11:12:56 17 Mar 1994 HG
CLJCSS35
Hg -.098 ppb .000 -.098

*** Check Standard: 1 Ck1 Seq: 42 11:18:24 17 Mar 1994 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.119 .200 ppb .000

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 2  Ck2          Seq:  43      11:21:53 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          112.     5.60    5.00  ppb         .000

*** Sample ID: JM4356               Seq:  44      11:25:29 17 Mar 1994 HG
                            CLJCSS36
Hg   -.090    ppb       .000     -.090

*** Sample ID: JM4357               Seq:  45      11:28:45 17 Mar 1994 HG
                            CLJCSS37
Hg   -.075    ppb       .000     -.075

*** Sample ID: JM4358               Seq:  46      11:32:01 17 Mar 1994 HG
                            CLJCSS38
Hg   -.093    ppb       .000     -.093

*** Sample ID: JM4359               Seq:  47      11:35:18 17 Mar 1994 HG
                            CLJCSS39
Hg   -.080    ppb       .000     -.080

*** Sample ID: JM4360               Seq:  48      11:38:36 17 Mar 1994 HG
                            CLJCSS40
Hg    .050    ppb       .000      .050

*** Sample ID: JM4361               Seq:  49      11:41:55 17 Mar 1994 HG
                            CLJCSS41
Hg   -.094    ppb       .000     -.094

*** Sample ID: TCLP BLANK           Seq:  50      11:45:11 17 Mar 1994 HG
                            N7G3944
Hg   -.089    ppb       .000     -.089

*** Sample ID: Q7G3952G             Seq:  51      11:48:27 17 Mar 1994 HG
                            MET BLANK
Hg   -.146    ppb       .000     -.146

*** Sample ID: Q7G3952GS            Seq:  52      11:51:42 17 Mar 1994 HG
                            MET SPIKE
Hg    1.94    ppb       .000      1.94

*** Sample ID: JM4643GS             Seq:  53      11:54:57 17 Mar 1994 HG
                            MTX SPIKE
Hg    1.94    ppb       .000      1.94

*** Check Standard: 1  Ck1          Seq:  54      11:58:15 17 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.149     .200     ppb        .000
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Check Standard: 2  Ck2          Seq:  55      12:01:37 17 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          109.     5.43    5.00  ppb         .000

*** Sample ID: JM4643GR             Seq:  56      12:04:55 17 Mar 1994 HG
                            MTX SPIKE DUP
Hg    1.95    ppb       .000      1.95

*** Sample ID: JM4643               Seq:  57      12:08:10 17 Mar 1994 HG
                            15314-TRENCH40
Hg   -.162    ppb       .000     -.162

*** Sample ID: JM4643               Seq:  58      12:11:25 17 Mar 1994 HG
                            REPLICATE
Hg   -.118    ppb       .000     -.118

*** Sample ID: JM4455               Seq:  59      12:14:40 17 Mar 1994 HG
                            15171C-0711SB1
Hg   -.099    ppb       .000     -.099

*** Sample ID: JM4456               Seq:  60      12:17:55 17 Mar 1994 HG
                            0711SB2
Hg   -.087    ppb       .000     -.087

*** Sample ID: JM4457               Seq:  61      12:21:11 17 Mar 1994 HG
                            0711SB3
Hg   -.108    ppb       .000     -.108

*** Sample ID: JM4459               Seq:  62      12:24:26 17 Mar 1994 HG
                            0750SB-A
Hg   -.073    ppb       .000     -.073

*** Sample ID: JM4460               Seq:  63      12:27:43 17 Mar 1994 HG
                            0750SB-B
Hg   -.087    ppb       .000     -.087

*** Sample ID: JM4639               Seq:  64      12:31:00 17 Mar 1994 HG
                            15314-TRENCH 5
Hg   -.094    ppb       .000     -.094

*** Sample ID: JM4640               Seq:  65      12:34:15 17 Mar 1994 HG
                            TRENCH 9
Hg   -.104    ppb       .000     -.104

*** Check Standard: 1  Ck1          Seq:  66      12:37:33 17 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.107     .200     ppb        .000
```

Folder: hg031794 Page 7
12:40:53 17 Mar 1994 Protocol: aschg

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 Seq: 67 12:40:53 17 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		109.	5.46	5.00	ppb	.000

*** Sample ID: JM4641 Seq: 68 12:44:12 17 Mar 1994 HG
TRENCH 14

Hg	-.157	ppb	.000	-.157

*** Sample ID: JM4642 Seq: 69 12:47:27 17 Mar 1994 HG
TRENCH 26

Hg	-.136	ppb	.000	-.136

*** Sample ID: TCLP BLANK Seq: 70 12:50:43 17 Mar 1994 HG

Hg	-.048	ppb	.000	-.048

*** Check Standard: 1 Ck1 Seq: 71 12:54:02 17 Mar 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.108	.200	ppb	.000

*** Check Standard: 2 Ck2 Seq: 72 12:57:24 17 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.	5.38	5.00	ppb	.000

*** Check Standard: 3 Ck3 Seq: 73 13:08:40 17 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		56.6	.113	.200	ppb	.000

*** Check Standard: 3 Ck3 Seq: 74 13:12:02 17 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		119.	.237	.200	ppb	.000

NOT in This SDG
PLS
3/29/94

```
*** Standard: 1 Rep: 1                Seq:  1       13:27:51 15 Mar 1994 HG

Hg    .000    ppb            -284
                       Ave. Int. =     -284 S. D. =        0

*** Standard: 1 Rep: 2                Seq:  2       13:31:14 15 Mar 1994 HG

Hg    .000    ppb            -324
                       Ave. Int. =     -324 S. D. =        0

*** Standard: 1 Rep: 3                Seq:  3       13:34:36 15 Mar 1994 HG

Hg    .000    ppb            -436
                       Ave. Int. =     -436 S. D. =        0

*** Standard: 2 Rep: 1                Seq:  4       13:37:58 15 Mar 1994 HG

Hg    .200    ppb            2042
                       Ave. Int. =     2042 S. D. =        0

*** Standard: 2 Rep: 2                Seq:  5       13:41:21 15 Mar 1994 HG

Hg    .200    ppb            1755
                       Ave. Int. =     1755 S. D. =        0
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 2 Rep: 3 Seq: 6 13:44:43 15 Mar 1994 HG

Hg .200 ppb 2264
Ave. Int. = 2264 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 7 13:48:05 15 Mar 1994 HG

Hg .500 ppb 4215
Ave. Int. = 4215 S. D. = 0

*** Standard: 3 Rep: 2 Seq: 8 13:51:28 15 Mar 1994 HG

Hg .500 ppb 4140
Ave. Int. = 4140 S. D. = 0

*** Standard: 3 Rep: 3 Seq: 9 13:54:50 15 Mar 1994 HG

Hg .500 ppb 3933
Ave. Int. = 3933 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 10 13:58:13 15 Mar 1994 HG

Hg 2.00 ppb 22720
Ave. Int. = 22720 S. D. = 0

*** Standard: 4 Rep: 2 Seq: 11 14:01:35 15 Mar 1994 HG

Hg 2.00 ppb 21688
Ave. Int. = 21688 S. D. = 0

*** Standard: 4 Rep: 3 Seq: 12 14:04:58 15 Mar 1994 HG

Hg 2.00 ppb 21779
Ave. Int. = 21779 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 13 14:08:20 15 Mar 1994 HG

Hg 5.00 ppb 57067
Ave. Int. = 57067 S. D. = 0

*** Standard: 5 Rep: 2 Seq: 14 14:11:42 15 Mar 1994 HG

Hg 5.00 ppb 56597
Ave. Int. = 56597 S. D. = 0

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 5 Rep: 3 Seq: 15 14:15:08 15 Mar 1994 HG

Hg 5.00 ppb 56108
Ave. Int. = 56108 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 16 14:18:30 15 Mar 1994 HG

Hg 10.0 ppb 112170
Ave. Int. = 112170 S. D. = 0

*** Standard: 6 Rep: 2 Seq: 17 14:21:58 15 Mar 1994 HG

Hg 10.0 ppb 111267
Ave. Int. = 111267 S. D. = 0

*** Standard: 6 Rep: 3 Seq: 18 14:25:25 15 Mar 1994 HG

Hg 10.0 ppb 111348
Ave. Int. = 111348 S. D. = 0

Protocol: ASCHG

Rev: 2.000 Time: 14:25:35 15 Mar 1994

Folder: HG031594 Seq: 19 Print: On

User: Batch: Id: Std6Rep3 Cup: 1 13 Gas: 0.30 LPM

State: Idle Macro ASCCLP 109 : F3 Print Xmit: Off Autosampler: On

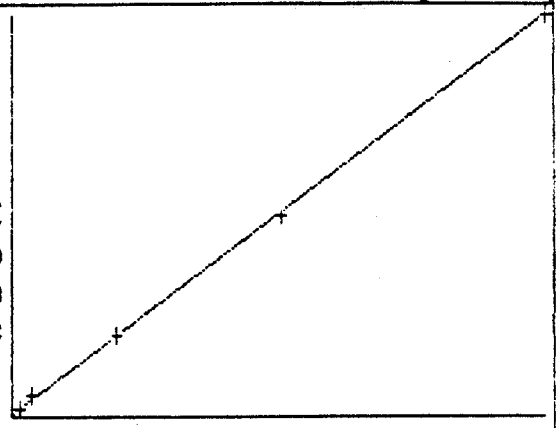
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear	
S1	.000	.016	.016	Quadratic	
S2	.200	.227	.027	WtdLinear	
S3	.500	.411	-.089		C
S4	2.00	2.01	.007	Accept	o
S5	5.00	5.08	.076		n
S6	10.0	9.96	-.037	StdAdd	c

A .0000000 r .999896

B 8.88563e-5 C 4.71200e-2



	Mean	%RSD		Relative Absorbance	
S1	-348	-22.64	-284	-324	-436
S2	2020	12.63	2042	1755	2264
S3	4096	3.57	4215	4140	3933
S4	22062	2.59	22720	21688	21779
S5	56590	0.85	57067	56597	56100
S6	111595	0.45	112170	111267	111348

New cal coefficients stored

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 1 Ck1 Seq: 19 14:28:47 15 Mar 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.140	.200	ppb	.000

*** Check Standard: 2 Ck2 Seq: 20 14:32:07 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
~~Hg~~	~~L~~	~~.328~~	~~.016~~	~~5.00~~	~~ppb~~	~~.000~~

No Sample in position SB 3-15-94

*** Check Standard: 2 Ck2 Seq: 21 14:35:27 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
~~Hg~~	~~H~~	~~134.~~	~~6.69~~	~~5.00~~	~~ppb~~	~~.000~~

Rerun ↓ SB 3-15-94

*** Check Standard: 2 Ck2 Seq: 22 14:39:21 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.0	4.95	5.00	ppb	.000

*** Check Standard: 3 Ck3 Seq: 23 14:42:43 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		77.3	.155	.200	ppb	.000

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: N7G3944G					Seq: 24	14:58:53 15 Mar 1994 HG		
				MET BLK				
Hg	.009	ppb	.000	.009				
*** Sample ID: N7G3944GS					Seq: 25	15:02:11 15 Mar 1994 HG		
				MET SPK				
Hg	~~2.52~~	~~ppb~~	~~.000~~	~~2.52~~				
*** Sample ID: N7G3944GS					Seq: 26	15:05:29 15 Mar 1994 HG		
				MET SPK				
Hg	2.53	ppb	.000	2.53				
*** Sample ID: N7G3944GS					Seq: 27	15:08:47 15 Mar 1994 HG		
				MET SPK				
Hg	1.65	ppb	.000	1.65				
*** Sample ID: N7G3944GS					Seq: 28	15:12:05 15 Mar 1994 HG		
				MET SPK				
Hg	~~2.58~~	~~ppb~~	~~.000~~	~~2.58~~				
*** Sample ID: N7G3944GS					Seq: 29	15:16:19 15 Mar 1994 HG		
				MET SPK				
Hg	1.77	ppb	.000	1.77				
*** Sample ID: JM4362GS					Seq: 30	15:19:37 15 Mar 1994 HG		
				MTX SPK				
Hg	2.29	ppb	.000	2.29				
*** Sample ID: JM4362GR					Seq: 31	15:22:55 15 Mar 1994 HG		
				MTX SPK REP				
Hg	2.40	ppb	.000	2.40				
*** Sample ID: JM4362G					Seq: 32	15:26:13 15 Mar 1994 HG		
				CLJ-CSS-42				
Hg	-.004	ppb	.000	-.004				
*** Sample ID: JM4362GG					Seq: 33	15:29:31 15 Mar 1994 HG		
				DUPLICATE				
Hg	.011	ppb	.000	.011				
*** Sample ID: JM4353G					Seq: 34	15:32:49 15 Mar 1994 HG		
				CLJ-CSS-33				
Hg	.040	ppb	.000	.040				
*** Sample ID: JM4354G					Seq: 35	15:36:07 15 Mar 1994 HG		
				CLJ-CSS-34				
Hg	.010	ppb	.000	.010				

SB 3-15-94

Re Ran Samples on 3/17/94
RW 3/29/94

Folder: HG031594 Page 38
15:39:25 15 Mar 1994 Protocol: ASCHG

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: JM4355G Seq: 36 15:39:25 15 Mar 1994 HG
CLJ-CSS-35
Hg .033 ppb .000 .033

*** Sample ID: JM4356G Seq: 37 15:42:43 15 Mar 1994 HG
CLJ-CSS-36
Hg .031 ppb .000 .031

*** Sample ID: JM4357G Seq: 38 15:46:01 15 Mar 1994 HG
CLJ-CSS-37
Hg .060 ppb .000 .060

Reran sample on 3/17/94
RLS 3/29/94

*** Check Standard: 1 Ck1 Seq: 39 15:49:20 15 Mar 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.007	.200	ppb	.000

*** Check Standard: 2 Ck2 Seq: 40 15:52:42 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.6	4.58	5.00	ppb	.000

*** Sample ID: JM4358G Seq: 41 15:56:00 15 Mar 1994 HG
CLJ-CSS-38
Hg -.029 ppb .000 -.029

*** Sample ID: JM4359G Seq: 42 15:59:16 15 Mar 1994 HG
CLJ-CSS-39
Hg .034 ppb .000 .034

*** Sample ID: JM4360G Seq: 43 16:02:33 15 Mar 1994 HG
CLJ-CSS-40
Hg .038 ppb .000 .038

*** Sample ID: JM4361G Seq: 44 16:05:49 15 Mar 1994 HG
CLJ-CSS-41
Hg .050 ppb .000 .050

*** Sample ID: TCLP BLK Seq: 45 16:09:05 15 Mar 1994 HG
N7G3944
Hg .049 ppb .000 .049

Reran samples on 3/17/94
RLS 3/29/94

*** Sample ID: N7G3947G Seq: 46 16:12:21 15 Mar 1994 HG
MET BLK
Hg .022 ppb .000 .022

*** Sample ID: N7G3947GS Seq: 47 16:15:37 15 Mar 1994 HG
MET SPK
Hg 1.46 ppb .000 1.46

Rerun ↓ SB 3-15-94

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: JM4369GS Seq: 48 16:18:53 15 Mar 1994 HG
MTX SPK
~~Hg 2.46 ppb .000~~ 2.46 Rerun ↓ SB 3-15-94

*** Check Standard: 1 Ck1 Seq: 49 16:24:09 15 Mar 1994 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.012	.200	ppb	.000

*** Check Standard: 2 Ck2 Seq: 50 16:29:37 15 Mar 1994 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.0	4.55	5.00	ppb	.000

*** Sample ID: N7G3947GS Seq: 51 16:42:09 15 Mar 1994 HG
MET SPK
Hg 1.81 ppb .000 1.81

*** Sample ID: JM4369GS Seq: 52 16:45:25 15 Mar 1994 HG
MTX SPK
Hg 2.47 ppb .000 2.47

*** Sample ID: JM4369GR Seq: 53 16:48:41 15 Mar 1994 HG
MTX SPK REP
Hg 2.46 ppb .000 2.46

*** Sample ID: JM4369G Seq: 54 16:51:57 15 Mar 1994 HG
CLJ-DS-11D
Hg .046 ppb .000 .046

*** Sample ID: JM4369GG Seq: 55 16:55:13 15 Mar 1994 HG
DUPLICATE
Hg .073 ppb .000 .073

*** Sample ID: JM4363G Seq: 56 16:58:28 15 Mar 1994 HG
CLJ-CSS-43
Hg .060 ppb .000 .060

*** Sample ID: JM4364G Seq: 57 17:01:42 15 Mar 1994 HG
CLJ-CSS-44
Hg .068 ppb .000 .068

*** Sample ID: JM4365G Seq: 58 17:04:57 15 Mar 1994 HG
CLJ-CSS-45
Hg .723 ppb .000 .723

*** Sample ID: JM4366G Seq: 59 17:08:12 15 Mar 1994 HG
CLJ-CSS-46
Hg .035 ppb .000 .035

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: JM4367G                Seq:  60     17:11:27 15 Mar 1994 HG
                              CLJ-DS-10
Hg    .108    ppb       .000      .108

*** Check Standard: 1  Ck1            Seq:  61     17:14:44 15 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .021     .200     ppb        .000

*** Check Standard: 2  Ck2            Seq:  62     17:18:04 15 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.16    5.00   ppb        .000

*** Sample ID: JM4368G                Seq:  63     17:21:22 15 Mar 1994 HG
                              CLJ-DS-11
Hg    .024    ppb       .000      .024

*** Sample ID: TCLP BLK               Seq:  64     17:24:37 15 Mar 1994 HG
                              N7G3947
Hg    .062    ppb       .000      .062

*** Sample ID: Q7G3935G               Seq:  65     17:27:52 15 Mar 1994 HG
                              MET BLK
Hg    .013    ppb       .000      .013

*** Sample ID: Q7G3935GS              Seq:  66     17:31:07 15 Mar 1994 HG
                              MET SPK
Hg    1.75    ppb       .000      1.75

*** Sample ID: JM4391GS               Seq:  67     17:34:23 15 Mar 1994 HG
                              MTX SPK
Hg    2.43    ppb       .000      2.43

*** Sample ID: JM4391GR               Seq:  68     17:37:39 15 Mar 1994 HG
                              MTX SPK REP
Hg    2.31    ppb       .000      2.31

*** Sample ID: JM4391G                Seq:  69     17:40:55 15 Mar 1994 HG
                              0766SB4
Hg    .042    ppb       .000      .042

*** Sample ID: JM4391GG               Seq:  70     17:44:10 15 Mar 1994 HG
                              DUPLICATE
Hg    .067    ppb       .000      .067

*** Sample ID: JM4296G                Seq:  71     17:47:26 15 Mar 1994 HG
                              DA-826
Hg    .074    ppb       .000      .074
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: JM4297G                Seq:  72     17:50:42 15 Mar 1994 HG
                              DA-827
Hg    .074    ppb       .000      .074

*** Check Standard: 1  Ck1            Seq:  73     17:54:00 15 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .011     .200     ppb        .000

*** Check Standard: 2  Ck2            Seq:  74     17:57:20 15 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.17    5.00   ppb        .000

*** Sample ID: JM4298G                Seq:  75     18:00:38 15 Mar 1994 HG
                              DA-828
Hg    .231    ppb       .000      .231

*** Sample ID: JM4510G                Seq:  76     18:03:54 15 Mar 1994 HG
                              11135
Hg   -.093    ppb       .000     -.093

*** Sample ID: JM4388G                Seq:  77     18:07:10 15 Mar 1994 HG
                              0766SB1
Hg    .053    ppb       .000      .053

*** Sample ID: JM4389G                Seq:  78     18:10:26 15 Mar 1994 HG
                              0766SB2
Hg    .074    ppb       .000      .074

*** Sample ID: JM4390G                Seq:  79     18:13:42 15 Mar 1994 HG
                              0766SB3
Hg    .122    ppb       .000      .122

*** Sample ID: TCLP BLK               Seq:  80     18:16:58 15 Mar 1994 HG
                              Q7G3935
Hg    .050    ppb       .000      .050

*** Check Standard: 1  Ck1            Seq:  81     18:20:16 15 Mar 1994 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg          .001     .200     ppb        .000

*** Check Standard: 2  Ck2            Seq:  82     18:23:36 15 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     5.19    5.00   ppb        .000

*** Check Standard: 3  Ck3            Seq:  83     18:26:56 15 Mar 1994 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          122.     .243    .200   ppb        .000
```

COVER PAGE
CONVENTIONAL ANALYSES DATA PACKAGE

Lab Name: *Analytical Services Corp* **Contract:** NEESA

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ 3

DW No.:

EPA Sample No.	Lab Sample ID.
CLJ-CSS-33	JM4353
CLJ-CSS-34	JM4354
CLJ-CSS-35	JM4355
CLJ-CSS-36	JM4356
CLJ-CSS-37	JM4357
CLJ-CSS-38	JM4358
CLJ-CSS-39	JM4359
CLJ-CSS-40	JM4360
CLJ-CSS-41	JM4361
CLJ-CSS-42	JM4362
CLJ-CSS-43	JM4363
CLJ-CSS-44	JM4364
CLJ-CSS-45	JM4365
CLJ-CSS-46	JM4366

COMMENTS: See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: J Hnatour **Name:** Joseph Hnatour

Date: 5/26/94 **Title:** Operations Manager

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-33

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-3~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4353

% Solids: ____ **Date Received:** 3/7/94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.59			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CW-CSS-34

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CW-CSS-33~~ NT 47

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4354

% Solids: ____ **Date Received:** 3 / 7 /94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.68			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-35

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-35~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4355

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): _____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.22			pH

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLW-CSS-36

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLW-CSS-33~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4356

% Solids: ____ **Date Received:** 3 / 2 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	3.87			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NKSA **EPA SAMPLE #:** CW-CSS-37

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CW-CSS-33~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4357

% Solids: _____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): _____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.55			pH

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-38

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-33~~

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4358

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): _____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.06			pH

Color Before: _____ **Clarity Before:** _____ **Texture:** _____

Color After: _____ **Clarity After:** _____ **Artifacts:** _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-39

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS~~ 33

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4359

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.45			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-40

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-~~ 3

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4360

% Solids: ____ **Date Received:** 3 / 2 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.96			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** LLJ-CSS-41

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~LLJ-CSS~~ 33

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4361

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	3.94			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** LW-LSS-42

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~LW-LSS-3~~ WA 87

Matrix: (soil/water) Soil **Level:** (low/med) Low **Lab Sample ID:** JM4362

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	3.99			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CW-CSS-43

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CW-CSS-43~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4363

% Solids: ____ **Date Received:** 3 / 2 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.58			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CW-SS-44

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CW-SS-~~ 33

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM4364

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	3.93			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NERSA **EPA SAMPLE #:** CW-CSS-45

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** CW-HS-M-3

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** JM43605

% Solids: ____ **Date Received:** 3 / 7 / 94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.77			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS DATA SHEET (1)

Lab Name: *Analytical Services Corp* **Contract:** NEESA **EPA SAMPLE #:** CLJ-CSS-46

Lab Code: NA **Case #:** NA **SAS #:** NA **SDG #:** ~~CLJ-CSS-35~~ NA

Matrix: (soil/water) SOIL **Level:** (low/med) LOW **Lab Sample ID:** M4366

% Solids: ____ **Date Received:** 3/7/94

Concentration Units (ug/L or mg/kg dry weight): ____

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Reactive Cyanide				
	Reactive Sulfide				
	Flashpoint, 60°C				
	pH (Electrode)	4.23			pH

Color Before: ____ **Clarity Before:** ____ **Texture:** ____

Color After: ____ **Clarity After:** ____ **Artifacts:** ____

COMMENTS: ____

CONVENTIONAL ANALYSIS RUN LOG (14)

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NEESA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ-CSS33~~ NA **Method:** pH

Instrument ID Number: _____ **Start Date:** 3/21/94 **End Date:** 3/21/94

EPA Sample Number	D/F	Time	% R	Analytes																								
				RC	RS	pH	FP																					
ICV		1122				X																						
CLJ-CSS-33		1125				X																						
CLJ-CSS-34		1128				X																						
CLJ-CSS 35		1133				X																						
CLJ-CSS-36		1135				X																						
CLJ-CSS-37		1136				X																						
CLJ-CSS-38		1138				X																						
CLJ-CSS-39		1141				X																						
CLJ-CSS-40		1143				X																						
CLJ-CSS-41		1144				X																						
CLJ-CSS-42		1146				X																						
CLJ-CSS-43		1148				X																						
CLJ-CSS-44		1150				X																						
CLJ-CSS-45		1152				X																						
CLJ-CSS-46		1153				X																						

FORM XIV - IN

CONVENTIONAL ANALYSIS RUN LOG (14)

Lab Name: *Analytical Services Corp* **Lab Code:** NA **Contract:** NEESA

Case #: NA **SAS #:** NA **SDG #:** ~~CLJ~~ N/A 9433 **Method:** pH

Instrument ID Number: _____ **Start Date:** 3/21/94 **End Date:** 3/21/94

EPA Sample Number	D/F	Time	% R	Analytes																							
				RC	RS	pH	FP																				
CCV		1203				X																					

3/22/94

FORM XIV - IN

0326

pH

Sample ID	Project #	Sample Point	Analyst	Time	Date
QC	HACH 7-BUFFER	CV-0050	TW	11:15	3/21/94

pH 4.0 [ ] pH 7.0 [X] pH 10.0 [X] Sample pH 7.03

Slope: 97.8 mV Temperature: 22.4 °C Ph Meter: BECKMAN

Comments:

Sample ID	Project #	Sample Point	Analyst	Time	Date
QC	HACH 7-BUFFER	CV-0050	TW	11:22	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 7.03

Slope: 101.0 mV Temperature: 22.7 °C Ph Meter: BECKMAN

Comments:

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4353	15226N	CLJ-CSS-33	TW	11:25	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.59

Slope: 101.0 mV Temperature: 20.9 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4354	15226N	CLJ-CSS-34	TW	11:28	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.68

Slope: 101.0 mV Temperature: 21.7 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Reference: USEPA EPA-600/4-79-020; 1983 Revised; Method 150.1

Read and Understood by: Wade T. DeLong Date: 3-22-94
(C:\WP50\FORMS\pH.201)

pH

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4355	15226N	CLJ-CSS-35	TW	11:33	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.22

Slope: 101.0 mV Temperature: 20.5 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4356	15226N	CLJ-CSS-36	TW	11:35	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 3.87

Slope: 101.0 mV Temperature: 20.5 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4357	15226N	CLJ-CSS-37	TW	11:36	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.55

Slope: 101.0 mV Temperature: 20.2 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4358	15226N	CLJ-CSS-38	TW	11:38	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.06

Slope: 101.0 mV Temperature: 20.7 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Reference: USEPA EPA-600/4-79-020; 1983 Revised; Method 150.1

Read and Understood by: Wade T. DeLong Date: 3-22-94

(C:\WP50\FORMS\pH.201)

pH

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4359	15226N	CLJ-CSS-39	TW	11:41	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.45

Slope: 101.0 mV Temperature: 20.4 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4360	15226N	CLJ-CSS-40	TW	11:43	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.96

Slope: 101.0 mV Temperature: 20.6 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4361	15226N	CLJ-CSS-41	TW	11:44	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 3.94

Slope: 101.0 mV Temperature: 20.5 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4362	15226N	CLJ-CSS-42	TW	11:46	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 3.99

Slope: 101.0 mV Temperature: 20.3 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Reference: USEPA EPA-600/4-79-020; 1983 Revised; Method 150.1

Read and Understood by: Wade T. DeLong Date: 3-22-94
(C:\WP50\FORMS\pH.201)

pH

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4363	15226N	CLJ-CSS-43	TW	11:48	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.58

Slope: 101.0 mV Temperature: 20.7 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4364	15226N	CLJ-CSS-44	TW	11:50	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 3.93

Slope: 101.0 mV Temperature: 20.5 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4365	15226N	CLJ-CSS-45	TW	11:52	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.77

Slope: 101.0 mV Temperature: 20.7 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4366	15226N	CLJ-CSS-46	TW	11:53	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.23

Slope: 101.0 mV Temperature: 20.7 °C Ph Meter: BECKMAN

Comments: 25g to 25ml

Reference: USEPA EPA-600/4-79-020; 1983 Revised; Method 150.1

Read and Understood by: Wade T. DeLong Date: 3-22-94
(C:\WP50\FORMS\pH.201)

pH

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4367	15226N	TW ~~CLJ-DS-~~ CLJ-DS-10	TW	11:55	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.80

Slope: 101.0 mV Temperature: 22.1 °C Ph Meter: BECKMAN

Comments: 25g to 25ml (previously done on 3-9-94) previous DATA Reporter

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4368	15226N	CLJ-DS-11	TW	11:57	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.83

Slope: 101.0 mV Temperature: 21.3 °C Ph Meter: BECKMAN

Comments: 25g to 25ml (previously done on 3-9-94) previous DATA Reporter

Sample ID	Project #	Sample Point	Analyst	Time	Date
JM4369	15226N	CLJ-DS-11D	TW	11:59	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.79

Slope: 101.0 mV Temperature: 22.4 °C Ph Meter: BECKMAN

Comments: 25g to 25ml (previously done on 3-9-94) previous DATA Reporter

Sample ID	Project #	Sample Point	Analyst	Time	Date
QC	HACH 4-BUFFER	CV-0049	TW	12:03	3/21/94

pH 4.0 [X] pH 7.0 [X] pH 10.0 [ ] Sample pH 4.04

Slope: 101.0 mV Temperature: 22.5 °C Ph Meter: BECKMAN

Comments:

Reference: USEPA EPA-600/4-79-020; 1983 Revised; Method 150.1

Read and Understood by: Wade T. Doheny Date: 3-22-94
(C:\WP50\FORMS\pH.201)