W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820 - (913)825-7186

Site: Sugar Creek Grand
ID #: MOD 086919248
Break: 2.3
Other: Wilson Lab.
2-26-91

FEBRUARY 26, 1991

ECOLOGY AND ENVIRONMENT, INC.
6405 METCALF, BLDG. 3
OVERLAND PARK KS 66202

ATTN : DARRELL MESSBARGER

RE: WILSON LABORATORIES FILE NO. 91-9560

ENCLOSED ARE THE REPORTS FOR THE SAMPLES AS LISTED BELOW:

WILSON LAB ID #	ORDER NO.	SAMPLE DESCRIPTION
9101088400	07437	BVXFQ040
9101088500	07437	BVXFQ041
9101088600	07437	BVXFQ042
9101088700	07437	BVXFQ043
9101088800	07437	BVXFQ043
9101088900	07437	BVXFQ045
9101089000	07437	BVXFQ046
9101089100	07437	BVXFQ047
9101089200	07437	BVXFQ048
9101089300	07437	BVXFQ049
9101089400	07437	BVXFQ050
9101089500	07437	BVXFQ051
9101089600	07437	BVXFQ052
9101089700	07437	BVXFQ053
9101089800	07437	BVXFQ054
9101089900	07437	BVXFQ055

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES.

40150353

SUPERFUND RECORDS

ANALYSES WERE PERFORMED ON SAMPLES AS RECEIVED IN ACCORDANCE WITH PROCEDURES REFERENCED IN THE FEDERAL REGISTER, VOL. 49, NO. 209, OCT. 26, 1984; PUBLISHED IN EPA PUBLICATION, SW 846, 2ND ED., JULY 1982 AND IN THE PROPOSED ADDITION TO SW 846, 1984; OR IN EPA PUBLICATION, SW846 3RD ED.,SEPTEMBER 1986. WHERE APPROVED METHODS ARE NOT AVAILABLE, EFFORTS ARE MADE TO USE APPROPRIATE STANDARD METHODS.

REMAINING SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

WILSON LABORATORIES

DANIEL J. SZATKOWSKI
CHIEF CHEMIST

ENCLOSURE

Ecology & Environment

#7437

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Wiggins	Dugan Hetterbrand	1 / 22 / 91	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: X CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
BVXFQØ40	2				1	X					Total CN, Metals, VOA
BVXFQØ41	2				1	X					Total CN, Metals, VOA
BVXFQØ42	2				1	X					CN, total Metals, VOA
BVXFQØ43	2				1	X					CN, total Metals, VOA
BVXFQØ44	2				1	X					CN, total Metals, VOA
BVXFQØ45		1					X				CN, total Metals
BVXFQØ46		1					X				CN, total Metals
BVXFQØ47		1					X				CN, total Metals
BVXFQØ48		1					X				CN, total Metals
BVXFQØ49		1					X				CN, total Metals
BVXFQØ5Ø		1					X				CN, total Metals
BVXFQØ51		1					X				CN, total Metals
BVXFQØ52		1					X				CN, total Metals
BVXFQØ53		1					X				CN, total Metals
BVXFQØ54		1					X				CN, total Metals
BVXFQØ55		1					X				CN, total Metals

DESCRIPTION OF SHIPMENT

26 PIECE(S) CONSISTING OF 1 BOX(ES)

____ ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

X COMMERCIAL CARRIER: Airborne Express

____ COURIER

____ SAMPLER CONVEYED

208015080 (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Dave Kinnatto ☒ SEALED ☐ UNSEALED	1/22/91	1830	Julie Trubler 1/23/91 0950 ☒ SEALED ☐ UNSEALED	Transport to LAB
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

WILSON LABORATORIES CHARGE REVIEW

****T H I S I S N O T A N I N V O I C E****(913) 825-7186

CHARGES FOR ORDER NO.07437

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RECEIVED: 01/23/91
PURCHASE AUTH.:
ORDER NO.: 07437
FILE NO.: 91-9560

ANALYSES	QUANT	COST EACH	% DISC	TOTAL
CYANIDE, TOTAL	16	35.00		560.00
TOTAL HEAVY METALS	16	140.00		2240.00
CHRISTMAS VOLATILES	5	110.00		550.00
SOLIDS, TOTAL	11	NO CHARGE		0.00
ANALYSES CHARGES, SUBTOTAL (COST LIST: F919560)				3350.00

SPECIAL INSTRUCTIONS	QUANT	COST EACH	% DISC	TOTAL
AS RECEIVED	16	NO CHARGE		0.00
METALS DIGESTION CHARGE	16	15.00		240.00
SPECIAL INSTRUCTION CHARGES, SUBTOTAL (COST LIST: F919560)				240.00
TOTAL ORDER CHARGES				3590.00

FOR PERIOD ENDING 02/26/91

SAMPLE DESCRIPTIONS

BVXFQ040
BVXFQ041
BVXFQ042
BVXFQ043
BVXFQ043
BVXFQ045
BVXFQ046
BVXFQ047
BVXFQ048
BVXFQ049
BVXFQ050
BVXFQ051
BVXFQ052
BVXFQ053
BVXFQ054
BVXFQ055

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010884
SAMPLE DESCRIPTION: BVXFQ040

DATE SAMPLED: 01/21/91
TIME SAMPLED: 1600

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(0.01)	MG/L	1345-66
CHRISTMAS VOLATILES			
1V. ACROLEIN	ND(25)	UG/L	1377-65
2V. ACRYLONITRILE	ND(25)	UG/L	1377-65
3V. BENZENE	ND(5)	UG/L	1377-65
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	1377-65
5V. BROMOFORM	ND(5)	UG/L	1377-65
6V. CARBON TETRACHLORIDE	ND(5)	UG/L	1377-65
7V. CHLOROBENZENE	ND(5)	UG/L	1377-65
8V. CHLORODIBROMOMETHANE	ND(5)	UG/L	1377-65
9V. CHLOROETHANE	ND(5)	UG/L	1377-65
10V. 2-CHLOROETHYLVINYL ETHER	ND(5)	UG/L	1377-65
11V. CHLOROFORM	ND(5)	UG/L	1377-65
12V. DICHLOROBROMOMETHANE	ND(5)	UG/L	1377-65
13V. DICHLORODIFLUOROMETHANE	ND(5)	UG/L	1377-65
14V. 1,1-DICHLOROETHANE	ND(5)	UG/L	1377-65
15V. 1,2-DICHLOROETHANE	ND(5)	UG/L	1377-65
16V. 1,1-DICHLOROETHENE	ND(5)	UG/L	1377-65
17V. 1,2-DICHLOROPROPANE	ND(5)	UG/L	1377-65
18V. 1,3-DICHLOROPROPYLENE	ND(5)	UG/L	1377-65
19V. ETHYLBENZENE	ND(5)	UG/L	1377-65
20V. METHYL BROMIDE	ND(5)	UG/L	1377-65
21V. METHYL CHLORIDE	ND(5)	UG/L	1377-65
22V. METHYLENE CHLORIDE	ND(5)	UG/L	1377-65
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5)	UG/L	1377-65
24V. TETRACHLOROETHENE	ND(5)	UG/L	1377-65
25V. TOLUENE	ND(5)	UG/L	1377-65
26V. TRANS-1,2-DICHLOROETHENE	ND(5)	UG/L	1377-65
27V. 1,1,1-TRICHLOROETHANE	ND(5)	UG/L	1377-65
28V. 1,1,2-TRICHLOROETHANE	ND(5)	UG/L	1377-65
29V. TRICHLOROETHENE	ND(5)	UG/L	1377-65
30V. TRICHLOROFLUOROMETHANE	ND(5)	UG/L	1377-65
31V. VINYL CHLORIDE	ND(5)	UG/L	1377-65
ARSENIC, TOTAL	ND(10.0)	UG/L	1397-20
BARIUM, TOTAL	ND(100)	UG/L	1409-1

CLIENT: ECOLOGY AND ENVIRONMENT, INC.

FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010884 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
CADMIUM, TOTAL	ND(5)	UG/L	1409-35
CHROMIUM, TOTAL	ND(10)	UG/L	1409-33
LEAD, TOTAL	ND(5.0)	UG/L	1398-26
MERCURY, TOTAL	0.3	UG/L	1382-17
SELENIUM, TOTAL	ND(5.0)	UG/L	1362-46
SILVER, TOTAL	ND(10)	UG/L	1409-17

--CONCLUSION--LAB NUMBER: 91010884 BVXFQ040

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010884
SAMPLE DESCRIPTION: BVXFQ040

DATE SAMPLED: 01/21/91
TIME SAMPLED: 1600

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
CHRISTMAS VOLATILES	JMM	01/24/91	NA	CLP SOW288
ARSENIC, TOTAL	PLH	01/31/91	01/28/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CADMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
LEAD, TOTAL	PLH	01/30/91	01/28/91	239.2/7421
MERCURY, TOTAL	PLH	01/28/91	01/28/91	245.1/7470
SELENIUM, TOTAL	PLH	02/11/91	01/28/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	01/28/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010884 BVXFQ040

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010885
SAMPLE DESCRIPTION: BVXFQ041

DATE SAMPLED: 01/22/91
TIME SAMPLED: 0840

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(0.01)	MG/L	1345-66
CHRISTMAS VOLATILES			
1V. ACROLEIN	ND(25)	UG/L	1377-67
2V. ACRYLONITRILE	ND(25)	UG/L	1377-67
3V. BENZENE	ND(5)	UG/L	1377-67
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	1377-67
5V. BROMOFORM	ND(5)	UG/L	1377-67
6V. CARBON TETRACHLORIDE	ND(5)	UG/L	1377-67
7V. CHLOROBENZENE	ND(5)	UG/L	1377-67
8V. CHLORODIBROMOMETHANE	ND(5)	UG/L	1377-67
9V. CHLOROETHANE	ND(5)	UG/L	1377-67
10V. 2-CHLOROETHYLVINYL ETHER	ND(5)	UG/L	1377-67
11V. CHLOROFORM	ND(5)	UG/L	1377-67
12V. DICHLOROBROMOMETHANE	ND(5)	UG/L	1377-67
13V. DICHLORODIFLUOROMETHANE	ND(5)	UG/L	1377-67
14V. 1,1-DICHLOROETHANE	ND(5)	UG/L	1377-67
15V. 1,2-DICHLOROETHANE	ND(5)	UG/L	1377-67
16V. 1,1-DICHLOROETHENE	ND(5)	UG/L	1377-67
17V. 1,2-DICHLOROPROPANE	ND(5)	UG/L	1377-67
18V. 1,3-DICHLOROPROPYLENE	ND(5)	UG/L	1377-67
19V. ETHYLBENZENE	ND(5)	UG/L	1377-67
20V. METHYL BROMIDE	ND(5)	UG/L	1377-67
21V. METHYL CHLORIDE	ND(5)	UG/L	1377-67
22V. METHYLENE CHLORIDE	ND(5)	UG/L	1377-67
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5)	UG/L	1377-67
24V. TETRACHLOROETHENE	ND(5)	UG/L	1377-67
25V. TOLUENE	ND(5)	UG/L	1377-67
26V. TRANS-1,2-DICHLOROETHENE	ND(5)	UG/L	1377-67
27V. 1,1,1-TRICHLOROETHANE	ND(5)	UG/L	1377-67
28V. 1,1,2-TRICHLOROETHANE	ND(5)	UG/L	1377-67
29V. TRICHLOROETHENE	ND(5)	UG/L	1377-67
30V. TRICHLOROFLUORMETHANE	ND(5)	UG/L	1377-67
31V. VINYL CHLORIDE	ND(5)	UG/L	1377-67
ARSENIC, TOTAL	ND(10.0)	UG/L	1397-20
BARIUM, TOTAL	ND(100)	UG/L	1409-1

CLIENT: ECOLOGY AND ENVIRONMENT, INC.

FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010885 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
CADMIUM, TOTAL	ND(5)	UG/L	1409-35
CHROMIUM, TOTAL	ND(10)	UG/L	1409-33
LEAD, TOTAL	ND(5.0)	UG/L	1398-26
MERCURY, TOTAL	ND(0.2)	UG/L	1382-17
SELENIUM, TOTAL	ND(5.0)	UG/L	1362-47
SILVER, TOTAL	ND(10)	UG/L	1409-86

—CONCLUSION—LAB NUMBER: 91010885 BVXFQ041

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010885
SAMPLE DESCRIPTION: BVXFQ041

DATE SAMPLED: 01/22/91
TIME SAMPLED: 0840

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
CHRISTMAS VOLATILES	JMM	01/24/91	NA	CLP SOW288
ARSENIC, TOTAL	PLH	01/31/91	01/28/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CADMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
LEAD, TOTAL	PLH	01/30/91	01/28/91	239.2/7421
MERCURY, TOTAL	PLH	01/28/91	01/28/91	245.1/7470
SELENIUM, TOTAL	PLH	02/11/91	01/28/91	270.2/7740
SILVER, TOTAL	CAG	02/18/91	01/28/91	272.1/7760

--CONCLUSION--LAB NUMBER: 91010885 BVXFQ041

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010886
SAMPLE DESCRIPTION: BVXFQ042

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1145

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(0.01)	MG/L	1345-66
CHRISTMAS VOLATILES			
1V. ACROLEIN	ND(25)	UG/L	1377-67
2V. ACRYLONITRILE	ND(25)	UG/L	1377-67
3V. BENZENE	ND(5)	UG/L	1377-67
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	1377-67
5V. BROMOFORM	ND(5)	UG/L	1377-67
6V. CARBON TETRACHLORIDE	ND(5)	UG/L	1377-67
7V. CHLOROBENZENE	ND(5)	UG/L	1377-67
8V. CHLORODIBROMOMETHANE	ND(5)	UG/L	1377-67
9V. CHLOROETHANE	ND(5)	UG/L	1377-67
10V. 2-CHLOROETHYLVINYL ETHER	ND(5)	UG/L	1377-67
11V. CHLOROFORM	ND(5)	UG/L	1377-67
12V. DICHLOROBROMOMETHANE	ND(5)	UG/L	1377-67
13V. DICHLORODIFLUOROMETHANE	ND(5)	UG/L	1377-67
14V. 1,1-DICHLOROETHANE	ND(5)	UG/L	1377-67
15V. 1,2-DICHLOROETHANE	ND(5)	UG/L	1377-67
16V. 1,1-DICHLOROETHENE	ND(5)	UG/L	1377-67
17V. 1,2-DICHLOROPROPANE	ND(5)	UG/L	1377-67
18V. 1,3-DICHLOROPROPYLENE	ND(5)	UG/L	1377-67
19V. ETHYLBENZENE	ND(5)	UG/L	1377-67
20V. METHYL BROMIDE	ND(5)	UG/L	1377-67
21V. METHYL CHLORIDE	ND(5)	UG/L	1377-67
22V. METHYLENE CHLORIDE	ND(5)	UG/L	1377-67
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5)	UG/L	1377-67
24V. TETRACHLOROETHENE	ND(5)	UG/L	1377-67
25V. TOLUENE	ND(5)	UG/L	1377-67
26V. TRANS-1,2-DICHLOROETHENE	ND(5)	UG/L	1377-67
27V. 1,1,1-TRICHLOROETHANE	ND(5)	UG/L	1377-67
28V. 1,1,2-TRICHLOROETHANE	ND(5)	UG/L	1377-67
29V. TRICHLOROETHENE	ND(5)	UG/L	1377-67
30V. TRICHLOROFLUORMETHANE	ND(5)	UG/L	1377-67
31V. VINYL CHLORIDE	ND(5)	UG/L	1377-67
ARSENIC, TOTAL	ND(10.0)	UG/L	1397-20
BARIUM, TOTAL	ND(100)	UG/L	1409-1

CLIENT: ECOLOGY AND ENVIRONMENT, INC.

FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010886 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
CADMIUM, TOTAL	ND(5)	UG/L	1409-35
CHROMIUM, TOTAL	ND(10)	UG/L	1409-33
LEAD, TOTAL	7.3	UG/L	1398-27
MERCURY, TOTAL	ND(0.2)	UG/L	1382-17
SELENIUM, TOTAL	ND(5.0)	UG/L	1362-47
SILVER, TOTAL	ND(10)	UG/L	1409-17

—CONCLUSION—LAB NUMBER: 91010886 BVXFQ042

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010886
SAMPLE DESCRIPTION: BVXFQ042

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1145

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
CHRISTMAS VOLATILES	JMM	01/24/91	NA	CLP SOW288
ARSENIC, TOTAL	PLH	01/31/91	01/28/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CADMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
LEAD, TOTAL	PLH	01/30/91	01/28/91	239.2/7421
MERCURY, TOTAL	PLH	01/28/91	01/28/91	245.1/7470
SELENIUM, TOTAL	PLH	02/11/91	01/28/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	01/28/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010886 BVXFQ042

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010887
SAMPLE DESCRIPTION: BVXFQ043

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1250

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(0.01)	MG/L	1345-66
CHRISTMAS VOLATILES			
1V. ACROLEIN	ND(25)	UG/L	1377-67
2V. ACRYLONITRILE	ND(25)	UG/L	1377-67
3V. BENZENE	ND(5)	UG/L	1377-67
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	1377-67
5V. BROMOFORM	ND(5)	UG/L	1377-67
6V. CARBON TETRACHLORIDE	ND(5)	UG/L	1377-67
7V. CHLOROBENZENE	ND(5)	UG/L	1377-67
8V. CHLORODIBROMOMETHANE	ND(5)	UG/L	1377-67
9V. CHLOROETHANE	ND(5)	UG/L	1377-67
10V. 2-CHLOROETHYLVINYL ETHER	ND(5)	UG/L	1377-67
11V. CHLOROFORM	ND(5)	UG/L	1377-67
12V. DICHLOROBROMOMETHANE	ND(5)	UG/L	1377-67
13V. DICHLORODIFLUOROMETHANE	ND(5)	UG/L	1377-67
14V. 1,1-DICHLOROETHANE	ND(5)	UG/L	1377-67
15V. 1,2-DICHLOROETHANE	ND(5)	UG/L	1377-67
16V. 1,1-DICHLOROETHENE	ND(5)	UG/L	1377-67
17V. 1,2-DICHLOROPROPANE	ND(5)	UG/L	1377-67
18V. 1,3-DICHLOROPROPYLENE	ND(5)	UG/L	1377-67
19V. ETHYLBENZENE	ND(5)	UG/L	1377-67
20V. METHYL BROMIDE	ND(5)	UG/L	1377-67
21V. METHYL CHLORIDE	ND(5)	UG/L	1377-67
22V. METHYLENE CHLORIDE	ND(5)	UG/L	1377-67
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5)	UG/L	1377-67
24V. TETRACHLOROETHENE	ND(5)	UG/L	1377-67
25V. TOLUENE	ND(5)	UG/L	1377-67
26V. TRANS-1,2-DICHLOROETHENE	ND(5)	UG/L	1377-67
27V. 1,1,1-TRICHLOROETHANE	ND(5)	UG/L	1377-67
28V. 1,1,2-TRICHLOROETHANE	ND(5)	UG/L	1377-67
29V. TRICHLOROETHENE	ND(5)	UG/L	1377-67
30V. TRICHLOROFLUORMETHANE	ND(5)	UG/L	1377-67
31V. VINYL CHLORIDE	ND(5)	UG/L	1377-67
ARSENIC, TOTAL	ND(10.0)	UG/L	1397-20
BARIUM, TOTAL	ND(100)	UG/L	1409-1

CLIENT: ECOLOGY AND ENVIRONMENT, INC.

FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010887 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
CADMIUM, TOTAL	ND(5)	UG/L	1409-35
CHROMIUM, TOTAL	ND(10)	UG/L	1409-33
LEAD, TOTAL	27.6	UG/L	1398-27
MERCURY, TOTAL	ND(0.2)	UG/L	1382-17
SELENIUM, TOTAL	ND(5.0)	UG/L	1362-47
SILVER, TOTAL	ND(10)	UG/L	1409-17

—CONCLUSION—LAB NUMBER: 91010887 BVXFQ043

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010887
SAMPLE DESCRIPTION: BVXFQ043

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1250

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
CHRISTMAS VOLATILES	JMM	01/24/91	NA	CLP SOW288
ARSENIC, TOTAL	PLH	01/31/91	01/28/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CADMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
LEAD, TOTAL	PLH	01/30/91	01/28/91	239.2/7421
MERCURY, TOTAL	PLH	01/28/91	01/28/91	245.1/7470
SELENIUM, TOTAL	PLH	02/11/91	01/28/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	01/28/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010887 BVXFQ043

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010888
SAMPLE DESCRIPTION: BVXFQ047

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1450

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	0.050	MG/L	1345-66
CHRISTMAS VOLATILES			
1V. ACROLEIN	ND(25)	UG/L	1377-69
2V. ACRYLONITRILE	ND(25)	UG/L	1377-69
3V. BENZENE	ND(5)	UG/L	1377-69
4V. BIS(CHLOROMETHYL)ETHER	NOT ANALYZED	UG/L	1377-69
5V. BROMOFORM	ND(5)	UG/L	1377-69
6V. CARBON TETRACHLORIDE	ND(5)	UG/L	1377-69
7V. CHLOROBENZENE	ND(5)	UG/L	1377-69
8V. CHLORODIBROMOMETHANE	ND(5)	UG/L	1377-69
9V. CHLOROETHANE	ND(5)	UG/L	1377-69
10V. 2-CHLOROETHYLVINYL ETHER	ND(5)	UG/L	1377-69
11V. CHLOROFORM	ND(5)	UG/L	1377-69
12V. DICHLOROBROMOMETHANE	ND(5)	UG/L	1377-69
13V. DICHLORODIFLUOROMETHANE	ND(5)	UG/L	1377-69
14V. 1,1-DICHLOROETHANE	ND(5)	UG/L	1377-69
15V. 1,2-DICHLOROETHANE	ND(5)	UG/L	1377-69
16V. 1,1-DICHLOROETHENE	ND(5)	UG/L	1377-69
17V. 1,2-DICHLOROPROPANE	ND(5)	UG/L	1377-69
18V. 1,3-DICHLOROPROPYLENE	ND(5)	UG/L	1377-69
19V. ETHYLBENZENE	ND(5)	UG/L	1377-69
20V. METHYL BROMIDE	ND(5)	UG/L	1377-69
21V. METHYL CHLORIDE	ND(5)	UG/L	1377-69
22V. METHYLENE CHLORIDE	ND(5)	UG/L	1377-69
23V. 1,1,2,2-TETRACHLOROETHANE	ND(5)	UG/L	1377-69
24V. TETRACHLOROETHENE	ND(5)	UG/L	1377-69
25V. TOLUENE	ND(5)	UG/L	1377-69
26V. TRANS-1,2-DICHLOROETHENE	ND(5)	UG/L	1377-69
27V. 1,1,1-TRICHLOROETHANE	ND(5)	UG/L	1377-69
28V. 1,1,2-TRICHLOROETHANE	ND(5)	UG/L	1377-69
29V. TRICHLOROETHENE	ND(5)	UG/L	1377-69
30V. TRICHLOROFLUORMETHANE	ND(5)	UG/L	1377-69
31V. VINYL CHLORIDE	ND(5)	UG/L	1377-69
ARSENIC, TOTAL	ND(10.0)	UG/L	1397-20
BARIUM, TOTAL	ND(100)	UG/L	1409-1

CLIENT: ECOLOGY AND ENVIRONMENT, INC.

FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010888 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK/PAGE
CADMIUM, TOTAL	ND(5)	UG/L	1409-35
CHROMIUM, TOTAL	ND(10)	UG/L	1409-33
LEAD, TOTAL	ND(5.0)	UG/L	1398/28
MERCURY, TOTAL	ND(0.2)	UG/L	1382-17
SELENIUM, TOTAL	ND(5.0)	UG/L	1362-47
SILVER, TOTAL	ND(10)	UG/L	1409-17

—CONCLUSION—LAB NUMBER: 91010888 BVXFQ04~~3~~4

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010888
SAMPLE DESCRIPTION: BVXFQ043

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1450

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
CHRISTMAS VOLATILES	JMM	01/24/91	NA	CLP SOW288
ARSENIC, TOTAL	PLH	01/31/91	01/28/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CADMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	01/28/91	200.7/6010
LEAD, TOTAL	PLH	01/30/91	01/28/91	239.2/7421
MERCURY, TOTAL	PLH	01/28/91	01/28/91	245.1/7470
SELENIUM, TOTAL	PLH	02/11/91	01/28/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	01/28/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010888 BVXFQ043

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010889
SAMPLE DESCRIPTION: BVXFQ045

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	0.012	MG/L	1345-66
SOLIDS, TOTAL	79.7	%	1234 - 1
ARSENIC, TOTAL	5.9	MG/KG	1397-24
BARIUM, TOTAL	53.3	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	46.0	MG/KG	1409-33
LEAD, TOTAL	15.1	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-18
SELENIUM, TOTAL	ND(0.5)	UG/KG	1362-44
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010889 BVXFQ045

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010889
SAMPLE DESCRIPTION: BVXFQ045

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1030

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010889 BVXFQ045

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010890
SAMPLE DESCRIPTION: BVXFQ046

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-64
SOLIDS, TOTAL	71.3	%	1234 - 1
ARSENIC, TOTAL	ND(5.0)	MG/KG	1397-24
BARIUM, TOTAL	54.4	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	14.8	MG/KG	1409-33
LEAD, TOTAL	9.56	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-18
SELENIUM, TOTAL	ND(0.5)	UG/KG	1362-44
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010890 BVXFQ046

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010890
SAMPLE DESCRIPTION: BVXFQ046

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1030

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010890 BVXFQ046

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010891
SAMPLE DESCRIPTION: BVXFQ047

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1345

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-64
SOLIDS, TOTAL	80.0	%	1234 - 1
ARSENIC, TOTAL	5.4	MG/KG	1397-24
BARIUM, TOTAL	85.3	MG/KG	1409-1
CADMIUM, TOTAL	2.5	MG/KG	1409-195
CHROMIUM, TOTAL	30.5	MG/KG	1409-33
LEAD, TOTAL	9.35	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-18
SELENIUM, TOTAL	ND(0.5)	UG/KG	1362-44
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010891 BVXFQ047

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010891
SAMPLE DESCRIPTION: BVXFQ047

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1345

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010891 BVXFQ047

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010892
SAMPLE DESCRIPTION: BVXFQ048

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1345

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-64
SOLIDS, TOTAL	80.1	%	1234 - 1
ARSENIC, TOTAL	ND(5.0)	MG/KG	1397-24
BARIUM, TOTAL	48.7	MG/KG	1409-1
CADMIUM, TOTAL	3.0	MG/KG	1409-195
CHROMIUM, TOTAL	32.2	MG/KG	1409-33
LEAD, TOTAL	7.48	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-18
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-44
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010892 BVXFQ048

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010892
SAMPLE DESCRIPTION: BVXFQ048

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1345

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010892 BVXFQ048

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010893
SAMPLE DESCRIPTION: BVXFQ049

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1420

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-64
SOLIDS, TOTAL	79.5	%	1234 - 1
ARSENIC, TOTAL	6.3	MG/KG	1397-24
BARIUM, TOTAL	71.8	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	11.7	MG/KG	1409-33
LEAD, TOTAL	18.9	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010893 BVXFQ049

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

QUALITY ASSURANCE-QUALITY CONTROL

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010893
SAMPLE DESCRIPTION: BVXFQ049

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1420

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010893 BVXFQ049

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010894
SAMPLE DESCRIPTION: BVXFQ050

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1420

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-64
SOLIDS, TOTAL	78.0	%	1234 - 1
ARSENIC, TOTAL	8.35	MG/KG	1397-24
BARIUM, TOTAL	38.1	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	21.6	MG/KG	1409-33
LEAD, TOTAL	19.0	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

--CONCLUSION--LAB NUMBER: 91010894 BVXFQ050

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010894
SAMPLE DESCRIPTION: BVXFQ050

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1420

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010894 BVXFQ050

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010895
SAMPLE DESCRIPTION: BVXFQ051

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1500

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-66
SOLIDS, TOTAL	78.0	%	1234 - 1
ARSENIC, TOTAL	ND(5.0)	MG/KG	1397-24
BARIUM, TOTAL	149	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	33.7	MG/KG	1409-33
LEAD, TOTAL	12.0	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010895 BVXFQ051

W I L S O N L A B O R A T O R I E S

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6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010895
SAMPLE DESCRIPTION: BVXFQ051

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1500

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

—CONCLUSION—LAB NUMBER: 91010895 BVXFQ051

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010896
SAMPLE DESCRIPTION: BVXFQ052

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1500

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-65
SOLIDS, TOTAL	94.0	%	1234 - 1
ARSENIC, TOTAL	9.2	MG/KG	1397-24
BARIUM, TOTAL	30.7	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	16.5	MG/KG	1409-33
LEAD, TOTAL	14.1	MG/KG	1398-32
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010896 BVXFQ052

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010896
SAMPLE DESCRIPTION: BVXFQ052

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1500

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/08/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

--CONCLUSION--LAB NUMBER: 91010896 BVXFQ052

W I L S O N L A B O R A T O R I E S

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010897
SAMPLE DESCRIPTION: BVXFQ053

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1120

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-65
SOLIDS, TOTAL	81.0	%	1234 - 1
ARSENIC, TOTAL	7.94	MG/KG	1397-27
BARIUM, TOTAL	60.3	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	17.1	MG/KG	1409-33
LEAD, TOTAL	25.1	MG/KG	1398-36
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

--CONCLUSION--LAB NUMBER: 91010897 BVXFQ053

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010897
SAMPLE DESCRIPTION: BVXFQ053

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1120

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/13/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/14/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

--CONCLUSION--LAB NUMBER: 91010897 BVXFQ053

W I L S O N L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1884 - (913)825-7186

LABORATORY REPORT

CLIENT: ECOLOGY AND ENVIRONMENT, INC.
ATTN: DARRELL MESSBARGER
6405 METCALF, BLDG. 3
OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010898
SAMPLE DESCRIPTION: BVXFQ054

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1120

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	ND(1)	MG/KG	1345-65
SOLIDS, TOTAL	81.0	%	1234 - 1
ARSENIC, TOTAL	7.40	MG/KG	1397-25
BARIUM, TOTAL	41.4	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	46.9	MG/KG	1409-33
LEAD, TOTAL	9.98	MG/KG	1398-33
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010898 BVXFQ054

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DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010898
SAMPLE DESCRIPTION: BVXFQ054

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1120

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/05/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

--CONCLUSION--LAB NUMBER: 91010898 BVXFQ054

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010899
SAMPLE DESCRIPTION: BVXFQ055

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1200

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
CYANIDE, TOTAL	3.7	MG/KG	1345-65
SOLIDS, TOTAL	82.3	%	1234 - 1
ARSENIC, TOTAL	9.15	MG/KG	1397-25
BARIUM, TOTAL	17.0	MG/KG	1409-1
CADMIUM, TOTAL	ND(2.5)	MG/KG	1409-195
CHROMIUM, TOTAL	44.7	MG/KG	1409-33
LEAD, TOTAL	10.8	MG/KG	1398-33
MERCURY, TOTAL	ND(1.0)	MG/KG	1382-19
SELENIUM, TOTAL	ND(0.5)	MG/KG	1362-45
SILVER, TOTAL	ND(1.0)	MG/KG	1409-17

—CONCLUSION—LAB NUMBER: 91010899 BVXFQ055

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OVERLAND PARK, KS 66202

DATE RPTD: 02/26/91
DATE RCVD: 01/23/91
PURCHASE AUTH:
FILE NO.: 91-9560
ORDER NO.: 07437

LAB NUMBER: 91010899
SAMPLE DESCRIPTION: BVXFQ055

DATE SAMPLED: 01/22/91
TIME SAMPLED: 1200

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
CYANIDE, TOTAL	CRE	02/04/91	NA	EPA 335.2
SOLIDS, TOTAL	KTB	02/01/91	NA	SL070
ARSENIC, TOTAL	PLH	02/05/91	02/04/91	206.2/7060
BARIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
CADMIUM, TOTAL	CAG	02/15/91	02/04/91	200.7/6010
CHROMIUM, TOTAL	CAG	02/13/91	02/04/91	200.7/6010
LEAD, TOTAL	PLH	02/07/91	02/04/91	239.2/7421
MERCURY, TOTAL	PLH	02/04/91	02/04/91	245.1/7470
SELENIUM, TOTAL	PLH	02/07/91	02/04/91	270.2/7740
SILVER, TOTAL	CAG	02/13/91	02/04/91	272.1/7760

--CONCLUSION--LAB NUMBER: 91010899 BVXFQ055

INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Contract Required Detection Limit (1,2) (ug/L)
Aluminum	200
Antimony	60
Arsenic	10
Barium	200
Beryllium	5
Cadmium	5
Calcium	5000
Chromium	10
Cobalt	50
Copper	25
Iron	100
Lead	3
Magnesium	5000
Manganese	15
Mercury	0.2
Nickel	40
Potassium	5000
Selenium	5
Silver	10
Sodium	5000
Thallium	10
Vanadium	50
Zinc	20
Cyanide	10

(1) Subject to the restrictions specified in the first page of Part G, Section IV of Exhibit D (Alternate Methods - Catastrophic Failure) any analytical method specified in SOW Exhibit D may be utilized as long as the documented instrument or method detection limits meet the Contract Required Detection Limit (CRDL) requirements. Higher detection limits may only be used in the following circumstance:

If the sample concentration exceeds five times the detection limit of the instrument or method in use, the value may be reported even though the instrument or method detection limit may not equal the Contract Required Detection Limit. This is illustrated in the example below:

For lead:

Method in use - ICP
Instrument Detection Limit (IDL) - 40
Sample concentration - 220
Contract Required Detection Limit (CRDL) - 3

The value of 220 may be reported even though instrument detection limit is greater than CRDL. The instrument or method detection limit must be documented as described in Exhibit E.

(2) The CRDL are the instrument detection limits obtained in pure water that must be met using the procedure in Exhibit E. The detection limits for samples may be considerably higher depending on the sample matrix.

TABLE 3. SPIKING LEVELS FOR SPIKE SAMPLE ANALYSIS

	For ICP/AA (ug/L)		For Furnace AA (ug/L)		Other[1] (ug/L)
Element	Water	Soil[2]	Water	Soil	
Aluminum	2,000	*			
Antimony	500	500	100	100	
Arsenic	2,000	2,000	40	40	
Barium	2,000	2,000			
Beryllium	50	50			
Cadmium	50	50	5	5	
Calcium	*	*			
Chromium	200	200			
Cobalt	500	500			
Copper	250	250			
Iron	1,000	*			
Lead	500	500	20	20	
Magnesium	*	*			
Manganese	500	500			
Mercury					1
Nickel	500	500			
Potassium	*	*			
Selenium	2,000	2,000	10	10	
Silver	50	50			
Sodium	*	*			
Thallium	2,000	2,000	50	50	
Vanadium	500	500			
Zinc	500	500			
Cyanide					100

NOTE: Elements without spike levels and not designated with an asterisk, must be spiked at appropriate levels.

[1]Spiking level reported is for both water and soil/sediment matrices.

[2]The levels shown indicate concentrations in the final digestate of the spiked sample (200 mL final volume).

*No spike required.

Table 1

Codes for Labelling Raw Data

Sample	XXXXXX
Duplicate	XXXXXXD
Matrix Spike	XXXXXXS
Serial Dilution	XXXXXXE
Analytical Spike	XXXXXXA
Post Digestion/Distillation Spike	XXXXXXA
MSA:	
Zero Addition	XXXXXX0
First Addition	XXXXXX1
Second Addition	XXXXXX2
Third Addition	XXXXXX3
Instrument Calibration Standards:	
ICP	S or S0 for blank standard
Atomic Absorption and Cyanide	S0, S10,...etc.
Initial Calibration Verification	ICV
Initial Calibration Blank	ICB
Continuing Calibration Verification	CCV
Continuing Calibration Blank	CCB
Interference Check Samples:	
Solution A	ICSA
Solution AB	ICSAB
CRDL Standard for AA	CRA
CRDL Standard for ICP	CRI
Laboratory Control Samples:	
Aqueous (Water)	LCSW
Solid (Soil/Sediment)	LCSS
Preparation Blank (Water)	PBW
Preparation Blank (Soil)	PBS
Linear Range Analysis Standard	LRS

Notes:

1. When an analytical spike or MSA is performed on samples other than field samples, the "A", "0", "1", "2" or "3" suffixes must be the last to be added to the EPA Sample Number. For instance, an analytical spike of a duplicate must be formatted "XXXXXXDA."

2. The numeric suffix that follows the "S" suffix for the standards indicates the true value of the concentration of the standard in ug/L.

3. ICP calibration standards usually consist of several analytes at different concentrations. Therefore, no numeric suffix can follow the ICP calibration standards unless all the analytes in the standard are prepared at the same concentrations. For instance, the blank for ICP must be formatted "S0."

4. The CRDL standard for AA is considered to be a calibration standard if it was a part of the calibration curve, thus it must be formatted like any other standard. The "CRA" format must be used if the CRDL standard for AA is not used to establish the calibration curve.

F. Results of Intercomparison/Performance Evaluation(PE) Sample Analyses

Tabulation of analytical results for Intercomparison/PE Sample analyses include all requirements specified in items D. and E., above.

G. Compilation of Complete Case File Purge

Within 7 days after data submission, the Contractor shall have compiled the Complete Case File Purge package described in item H., following.

H. Complete Case File Purge

The Complete Case File Purge package includes all laboratory records received or generated for a specific Case that have not been previously submitted to EPA as a deliverable. These items shall be submitted along with their Case File Document Inventory (see Exhibit F, paragraph 2.4 for description of document numbering and inventory procedure). These items include, but are not limited to: sample tags, custody records, sample tracking records, analysts logbook pages, bench sheets, instrument readout records, computer printouts, raw data summaries, instrument logbook pages (including instrument conditions), correspondence, and the document inventory.

Shipment of the Complete Case File Purge package by first class mail, overnight carrier, priority mail or equivalent is acceptable. Custody seals, which are provided by EPA, must be placed on shipping containers and a document inventory and transmittal letter included. The Contractor is not required to maintain any documents for a sample Case after submission of the Complete Case File Purge package; however, the Contractor should maintain a copy of the document inventory and transmittal letter.

I. Quarterly Verification of Instrument Parameters

The Contractor shall perform and report quarterly verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this contract. For the ICP instrumentation and methods, the Contractor shall also report quarterly interelement correction factors (including method of determination), wavelengths used, and integration times. Quarterly Verification of Instrument Parameters forms for the current quarter shall be submitted in each Sample Delivery Group data package, using Forms X, XI and XII. Submission of Quarterly Verification of Instrument Parameters shall include the raw data used to determine those values reported.

Example—Part A (Continued)

Procedure	Press	Display
Clear calculator	[OFF] [ON]	0
Clear stat registers (only if in stat mode)	[2nd] [CSR]	0
Enter x and y data	7 [x⇄y] 99000 [Σ+] 12 [x⇄y] 152000 [Σ+] 3 [x⇄y] 81000 [Σ+] 5 [x⇄y] 98000 [Σ+] 11 [x⇄y] 151000 [Σ+] 8 [x⇄y] 112000 [Σ+]	6
Enter the x value	9	9
Predict the y value	[2nd] [y']	126601.1236

The company can expect nine salespeople to sell about $126,600 per month.

Note: Do not erase the data from the statistical registers. The data values are used in the next part of the example.

In parts B and C of the example, you use the data in the statistical registers to determine how closely the pairs of data values are related to each other. The correlation among the pairs (points) determines how accurately the constructed line represents the trend.

Example—Part B

Use the x and y data in Part A to determine the correlation coefficient of the data.

Procedure	Press	Display
Find correlation coefficient	[2nd] [Corr]	0.969757193

Because this value is close to 1, the data values have a strong positive relationship.

Note: Do not erase the data from the statistical registers. The data is used in the next part of the example.

Example—Part C

Determine the equation that best represents the data ($y = ax + b$) by calculating the slope and intercept.

Procedure	Press	Display
Display intercept	[2nd] [Intcp]	51668.53933
Display slope	[2nd] [Slope]	8325.842697

Therefore, the equation for this line is:

$y = (8325.842697)x + 51668.53933$

Later, if you have cleared the statistical registers and want to calculate y' for any given x value, you can use this equation without re-entering all the data.

Region _____

ORGANIC REGIONAL DATA ASSESSMENT

_____ SITE _____

ATORY _____ NO. OF SAMPLES/ MATRIX _____

SOW # _____ REVIEWER (IF NOT ESD) _____

REVIEWER'S NAME _____

DPO: ACTION _____ FYI _____ COMPLETION DATE _____

DATA ASSESSMENT SUMMARY

		VOA	BNA	PEST	OTHER
1.	HOLDING TIMES				
2.	GC/MS TUNE/INSTR. PERFORM.				
3.	CALIBRATIONS				
4.	BLANKS				
5.	SURROGATES				
6.	MATRIX SPIKE/DUP				
7.	OTHER QC				
8.	INTERNAL STANDARDS				
9.	COMPOUND IDENTIFICATION				
10.	SYSTEM PERFORMANCE				
11.	OVERALL ASSESSMENT				

O = Data had no problems/or qualified due to minor problems.
Q = Data qualified due to major problems.
U = Data unacceptable.
X = Problems, but do not affect data.

ACTION ITEMS: _____

AREAS OF CONCERN: _____

NOTABLE PERFORMANCE: _____

TITLE Pb Furn

Page No. 32
Book No. 1398

From Page No.

Test Code	Date Analyst	Lab Number	Result	Units	Sample	Spike	Spike Added	% Rec.	Comm
SL828	2-6-91	91020199			11.9				Spk 1:2
	PLH	91020200			11.5	Redo 5+ with MSA			Spk Dup
		91020201	ND(0.005)	mg/L	0.8	19.4	20.0	97	PB
SL828		91020202	50.0/51.6	103%	51.6	70.7	20.0	95	LCS
		CCV	74.9	ug/L	74.9				75.0/74.9/100%
		CCB	ND(5.0)	↓	70.2				ND(0.005) mg/L
SL828		91020203	5.00/4.93	99%	49.3	—			1:100 Spk
		TCB	ND(0.005)	mg/L	3.8	—			
SL828		91020198	0.013	mg/L	8.7	r = .9999	X =	12.8	
		+1			25.4		25.0		
		+2			43.1		50.0		
		+3			59.4		75.0		
SL828		91020199	20.0/19.3	97%	21.8		X =	19.3	Spk
SL828		91020200	19.3/19.3	0 RPD	21.8		X =	19.3	Spk Dup
		CCV	72.4	ug/L	72.4				75.0/74.9/96%
	↓	CCB	ND(5.0)	↓	0.4				ND(0.005) mg/L
	2-7-91	Blank			0.015				
	PLH	50.0			0.085				
		150.0			137.5				
		100.0			101.7				
		ICV			105.2				
		ICB			0.3				
		CRA	5.0		7.5				
L328		91010889	15.1	mg/kg	30.2	50.3	20.0	100	1:5 DIL
		91010890	9.56	↑	47.8	66.7	20.0	95	1:2 DIL
		91010891	9.35	↓	18.7	39.8	20.0	105	1:5 DIL
L328		91010892	7.48	mg/kg	37.4	57.3	20.0	99	1:2 DIL
		CCV	80.0	ug/L	80.0				75.0/80.0/107%
		CCB			~~0.2~~	0.1			ND(5.0) ug/L
L328		91010893	18.9	mg/kg	37.8	59.5	20.0	109	1:5 DIL
		91010894	19.0	↑	37.9	57.9	20.0	100	1:5 DIL
		91010895	12.0	↓	23.9	45.0	20.0	105	1:5 DIL
		91010896	14.1	mg/kg	28.2	49.5	20.0	107	1:5 DIL
L328		91010897			20.7	42.0	20.0	107	1:5 DIL
		(ICV)	82.2	ug/L	82.2			75.0/82.2/110%	

To Page No.

Witnessed & Understood by me. Date

Invented by

Reviewed by Peggy Henderson

Date 2-7-91

TITLE Pb Furn.

Page No. 33
Book No. 1398

From Page No.

Test Code	Date Analyst	Lab Number	Result	Units	Sample	Spike	Spike Added	% Rec.	Comm
	2-7-91	CCB			0.3				
SL328	PLH	91010905			35.4			Spk Dup	1:5 Dil
328		91010904			262.5			Spk	1:5 Dil
SL328		91010898	9.98	mg/kg	49.9	69.2	20.0	97	1:2 Dil
SL328		91010899	10.8	mg/kg	54.0	74.4	20.0	102	1:2 Dil
		CCV	79.1	ug/L	79.1				75.0/79.1/104%
		CCB			0.3				ND(5.0) ug/L
		91010437			17.1	48.3	20.0		1:2 Dil
SL428		91010437	39	ug/L	7.7	27.4	20.0	99	1:5 Dil
		91010665	53	ug/L	5.3	25.5	20.0	101	1:10
		91011238	ND(50.0)	ug/L	4.2	24.9	20.0	103	1:10
L428		91020204	29	ug/L	5.7	26.4	20.0	103	1:5
		CCV	80.4	ug/L	80.4				75.0/80.4/107%
		CCB			0.2				ND(5.0) ug/L
	2-6-91	Blank			0.007				
	PLH	50.0			0.086				
		150.0			141.1				
		100.0			101.5				
		ICV			105.3		Curve from Pg. 31		
		ICB			-0.3				
		CRA			5.9				
L428		91010438	20.0/19.3/	97%	19.3				Spk
		91010439	97/97/0	RPD	19.3				Spk Dup
		91010440	ND(5.0)	ug/L	0.8	19.4	20.0	97	PB
		91010441	50.0/51.6/	103%	51.6	70.7	20.0	95	LCS
		91010668	20.0/19.3/	97%	19.3				Spk
		91010669	97/97/	0 RPD	19.3				Spk Dup
		91010670	ND(5.0)	ug/L	0.8	19.4	20.0	97	PB
		91010671	50.0/51.6/	103%	51.6	70.7	20.0	95	LCS
		91011239	20.0/19.3/	97%	19.3				Spk
		91011240	97/97/	0 RPD	19.3				Spk Dup
		91011241	ND(5.0)	ug/L	0.8	19.4	20.0	97	PB
		91011242	50.0/51.6/	103%	51.6	70.7	20.0	95	LCS
		91020206	20.0/19.3/	103%	19.3				Spk
L428		91020207	97/97/ ~~99.6/97.0~~	0 RPD	19.3				Spk

To Page No.

Witnessed & Understood by me. Date

Invented by

Recorded by Jeffrey Henderson

Date 2-7-91

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From Page No.

Type	Date Analyzd	Lab Number	Result	Units	Sample	Spike	Spike Added	% Rec.	Comm
SL328	2-13-91	91020160	ND(5.0)	ug/L	0.5	20.7	20.0	103	
	PLH	CCV	81.4	ug/L	81.4				75.0/81.4/
		CCB			0.1				ND(5.0)
SL328		91020161	70.0	ug/L	70.0	88.2	20.0	91	
		91020162	53.6	ug/L	53.6	74.7	20.0	105	Reflunk. Spiked
		91020163	51.5	ug/L	51.5	69.5	20.0	90	
SL328		91020164	138.4	ug/L	138.4	158.0	20.0	98	
		CCV	82.4	ug/L	82.4				75.0/82.4/
		CCB			-0.1				ND(5.0)
	2-14-91	Blank			0.005				
	PLH	50.0			0.111				
		150.0			146.8				
		100.0			101.9				
		ICV			102.1				
		ICB			0.4				
		CRA	5.0	ug/L	4.2				
SL328		91010897	25.1	mg/kg	50.2	70.1	20.0	101	1:5 Dil
	91010908	91010904	20.0/19.6	/98%	69.8	—			inst. Spike
SL328	91010909	91010905	98/111/12	RPD	72.4	—			inst. Spike
SL328	91010956	91010954	407	mg/kg	81.5	98.9	20.0	87	1:50 Dil
	91010957	91010954			153.5	163.1	20.0		1:20 Dil
		CCV	73.9	ug/L	73.9				75.0/73.9/9
		CCB			0.0				ND(5.0)
SL328		91020153	ND(5.0)	ug/L	2.6	21.5	20.0	95	from Pg 34
		91020170	20.0/21.3/	107%	23.9	—			Spk 9102
		91020171	107/96/11	RPD	21.8	—			Spk Dup 015
		91020155	88.6	ug/L	44.3	64.1	20.0	99	1:2 Dil
		91020165	ND(5.0)	ug/L	0.3	22.8	20.0	114	
		91020166	20.0/15.4	/83%	66.1	—			Spk 9102
SL328		91020167	83/77/7	RPD	67.2	—			Spk Dup 016
		CCV	72.9	ug/L	72.9				75.0/72.9/97
		CCB			0.3				ND(5.0) ug/L
SL328		91020162	50.7	ug/L	50.7	67.6	20.0	85	
		91020168	ND(5.0)	ug/L	0.4	21.9	20.0	110	PB
SL328		91020169	50.0/57.7/	115%	57.7	77.7	20.0	100	LCS To Page 1

Witnessed & Understood by me. Date

Invented by

Recorded by Peggy Henderson

Date 2-14-91

Multielement File: PB25912 Analyst: PLH
Date: 2/05/91 Time: 19:02
Data Storage File: PB25912 ID/Weight File: PB25912

Perkin Elmer 5100

Element File: Pb-cond Element: Pb
Date: 2/05/91 Time: 19:04
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Absorbance

Sample ID: ICB Sequence No: 00001 Sampler Position: 2

Blank Corrected Pk Area (A-s): 0.001

Element File: Pb-c Element: Pb
Date: 2/05/91 Time: 19:09
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: Check Standard is ICV-4 = 97.5 ug/L
Remark 2: CCV is 75.0 ug/L (Inorganic Ventures)
Remark 3: Background Correction: BZ

Sample ID: Blank Sequence No: 00002 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.006
Blank Corrected Pk Area (A-s): 0.006

Mean Pk Area (A-s): 0.006 SD: 0.0001 RSD(%): 2.0

Auto-zero performed.

Sample ID: Standard 1 Sequence No: 00003 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.060
Blank Corrected Pk Area (A-s): 0.061

Mean Pk Area (A-s): 0.060 SD: 0.0005 RSD(%): 0.8

Standard number 1 applied. [10.0]

Sample ID: Standard 2 Sequence No.: 00004 Sampler Position: 38

Concentration (ug/L): 47.5
Concentration (ug/L): 47.1

Mean Conc (ug/L): 47.3 SD: 0.23 RSD(%): 0.5

Standard number 2 applied. [50.0]

Sample ID: Standard 3 Sequence No: 00005 Sampler Position: 38

Concentration (ug/L): 86.8
Concentration (ug/L): 87.2

Mean Conc (ug/L): 87.0 SD: 0.27 RSD(%): 0.3

Standard number 3 applied. [90.0]

~~~~~~

Sample ID: Standard 4 Sequence No.: 00006 Sampler Position: 39

Concentration (ug/L): 163.8
Concentration (ug/L): 161.7

Mean Conc (ug/L): 162.8 SD: 1.50 r= .99999 RSD(%): 0.9

Standard number 4 applied. [150.0]

~~~~~~

Sample ID: Blank Sequence No.: 00007 Sampler Position: 40

Concentration (ug/L): 0.4
Concentration (ug/L): 0.4

Mean Conc (ug/L): 0.4 SD: 0.05 RSD(%): 12.9

Auto-zero performed

~~~~~~

Sample ID: ICV Sequence No.: 00008 Sampler Position: 1

Concentration (ug/L): 105.6
Concentration (ug/L): 104.1

Mean Conc (ug/L): 104.9 SD: 1.01 RSD(%): 1.0

~~~~~~

Sample ID: ICB Sequence No.: 00009 Sampler Position: 2

Concentration (ug/L): -1.0
Concentration (ug/L): -0.7

Mean Conc (ug/L): -0.8 SD: 0.19 RSD(%): 22.8

~~~~~~

Sample ID: CRA Sequence No.: 00010 Sampler Position: 3

Concentration (ug/L): 2.8
Concentration (ug/L): 2.8

Mean Conc (ug/L): 2.8 SD: 0.05 RSD(%): 1.9

~~~~~~

Sample ID: 91010889 br i /2 Sequence No.: 00011 Sampler Position: 4

Concentration (ug/L): 75.2
Concentration (ug/L): 75.1

Mean Conc (ug/L): 75.1 SD: 0.06 RSD(%): 0.1

redo/5

Sample ID: + Sequence No.: 00012 Sampler Position: 5

Concentration (ug/L): 91.1
Concentration (ug/L): 92.0

Mean Conc (ug/L): 91.5 SD: 0.58 RSD(%): 0.6

Sample ID: 0890 12 Sequence No.: 00013 Sampler Position: 6

Concentration (ug/L): 45.4
Concentration (ug/L): 45.3

Mean Conc (ug/L): 45.3 SD: 0.06 RSD(%): 0.1

Sample ID: + Sequence No.: 00014 Sampler Position: 7

Concentration (ug/L): 63.0
Concentration (ug/L): 62.7

Mean Conc (ug/L): 63.2 SD: 0.81 RSD(%): 1.3

Sample ID: 0891 12 Sequence No.: 00015 Sampler Position: 8

Concentration (ug/L): 50.0
Concentration (ug/L): Redo 5 50.5

Mean Conc (ug/L): 50.2 SD: 0.38 RSD(%): 0.8

Sample ID: + Sequence No.: 00016 Sampler Position: 9

Concentration (ug/L): 66.0
Concentration (ug/L): 65.6

Mean Conc (ug/L): 65.8 SD: 0.31 RSD(%): 0.5

Sample ID: 0892 12 Sequence No.: 00017 Sampler Position: 10

Concentration (ug/L): 35.6
Concentration (ug/L): 34.9

Mean Conc (ug/L): 35.3 SD: 0.48 RSD(%): 1.4

Sample ID: + Sequence No.: 00018 Sampler Position: 11

Concentration (ug/L): 53.6
Concentration (ug/L): 53.2

Mean Conc (ug/L): 53.4 SD: 0.27 RSD(%): 0.5

Sample ID: CCV Sequence No.: 00019 Sampler Position: 12

Concentration (ug/L): 74.6
Concentration (ug/L): 74.5

Mean Conc (ug/L): 74.6 SD: 0.06 RSD(%): 0.1

~~~~~~

Sample ID: CCCB Sequence No.: 00020 Sampler Position: 13

Concentration (ug/L): -0.8
Concentration (ug/L): -0.5

Mean Conc (ug/L): -0.7 SD: 0.21 RSD(%): 31.2

~~~~~~

Sample ID: 0893/2 Redo/5 Sequence No.: 00021 Sampler Position: 14

Concentration (ug/L): 89.3
Concentration (ug/L): 89.9

Mean Conc (ug/L): 89.6 SD: 0.41 RSD(%): 0.5

~~~~~~

Sample ID: + Sequence No.: 00022 Sampler Position: 15

Concentration (ug/L): 104.2
Concentration (ug/L): 105.3

Mean Conc (ug/L): 104.7 SD: 0.73 RSD(%): 0.7

~~~~~~

Sample ID: 0894/2 Redo/5 Sequence No.: 00023 Sampler Position: 16

Concentration (ug/L): 82.5
Concentration (ug/L): 82.4

Mean Conc (ug/L): 82.4 SD: 0.07 RSD(%): 0.1

~~~~~~

Sample ID: + Sequence No.: 00024 Sampler Position: 17

Concentration (ug/L): 98.2
Concentration (ug/L): 99.0

Mean Conc (ug/L): 98.6 SD: 0.58 RSD(%): 0.6

~~~~~~

Sample ID: 0895/2 Sequence No.: 00025 Sampler Position: 18

Concentration (ug/L): 57.9
Concentration (ug/L): 57.5

Mean Conc (ug/L): Redo/5 57.7 SD: 0.24 RSD(%): 0.5

~~~~~~

Sample ID: - Sequence No.: 00026 Sampler Position: 19

Concentration (ug/L): 74.2
Concentration (ug/L): 74.8
~~~~~~

Mean Conc (ug/L): 74.5 SD: 0.38 RSD(%): 0.5

~~~~~~

Sample ID: 0896 /2 Sequence No.: 00027 Sampler Position: 20

Concentration (ug/L): 64.2
Concentration (ug/L): 64.8

Mean Conc (ug/L) Redo/5 64.5 SD: 0.40 RSD(%): 0.6

~~~~~~

Sample ID: + Sequence No. 00028 Sampler Position: 21

Concentration (ug/L) 78.9
Concentration (ug/L): 78.7

Mean Conc (ug/L): 78.8 SD: 0.12 RSD(%): 0.2

~~~~~~

Sample ID: 0897/2 Sequence No.: 00029 Sampler Position: 22

Concentration (ug/L): 45.3
Concentration (ug/L): 46.3

Mean Conc (ug/L) 45.8 SD: 0.67 RSD(%): 1.5

~~~~~~

Sample ID: + Sequence No.: 00030 Sampler Position: 23

Concentration (ug/L): 64.7
Concentration (ug/L): 66.4

Mean Conc (ug/L): 65.6 SD: 1.15 RSD(%): 1.8

~~~~~~

Sample ID: CCV Sequence No.: 00031 Sampler Position: 24

Concentration (ug/L): 78.7
Concentration (ug/L): 78.2

Mean Conc (ug/L): 78.4 SD: 0.32 RSD(%): 0.4

~~~~~~

Sample ID: CCB Sequence No.: 00032 Sampler Position: 25

Concentration (ug/L): -0.9
Concentration (ug/L): -0.9

Mean Conc (ug/L): -0.9 SD: 0.04 RSD(%): 4.2

~~~~~~

Sample ID: 0904SPK Sequence No.: 00033 Sampler Position: 26

The height of this peak exceeds the rollover value
Concentration (ug/L): ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

Possible Double Spk? Redo/5
~~~~~~

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0905SPKD |1✓ Sequence No.: 00034 Sampler Position: 27

Concentration (ug/L): 79.7
Concentration (ug/L): 79.3

Mean Conc (ug/L): Redo/5 79.5 SD: 0.32 RSD(%): 0.4

~~~~~~

Sample ID: 0898/2 Sequence No.: 00035 Sampler Position: 28

Concentration (ug/L): 45.3
Concentration (ug/L): 45.2

Mean Conc (ug/L): 45.3 SD: 0.06 RSD(%): 0.1

~~~~~~

Sample ID: - Sequence No.: 00036 Sampler Position: 29

Concentration (ug/L): 62.8
Concentration (ug/L): 64.2

Mean Conc (ug/L): 63.5 SD: 1.01 RSD(%): 1.6

~~~~~~

Sample ID: 0899/2 Sequence No.: 00037 Sampler Position: 30

Concentration (ug/L): 49.7
Concentration (ug/L): 49.1

Mean Conc (ug/L): 49.4 SD: 0.39 RSD(%): 0.8

~~~~~~

Sample ID: - Sequence No.: 00038 Sampler Position: 31

Concentration (ug/L): 67.8
Concentration (ug/L): 67.2

Mean Conc (ug/L): 67.5 SD: 0.39 RSD(%): 0.6

~~~~~~

Sample ID: 91010954/2 Sequence No.: 00039 Sampler Position: 32

Redo/5

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

Peggy Henderson
Redo/5 on 10 2

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: - Sequence No.: 00040 Sampler Position: 33

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------
~~~~~~

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0956SPK/5t Sequence No.: 00041 Sampler Position: 34

Redo/5

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID 0957SPKD/5t Sequence No.: 00042 Sampler Position: 35

Redo/5

The height of this peak exceeds the rollover value.
Concentration (ug/L) ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%) ----

~~~~~~

Sample ID: CCV ✓ Sequence No.: 00043 Sampler Position: 36

Concentration (ug/L): 76.9
Concentration (ug/L): 76.6

Mean Conc (ug/L): 76.7 SD: 0.18 RSD(%): 0.2

~~~~~~

Sample ID: 40 CCB Sequence No.: 00044 Sampler Position: 40

Concentration (ug/L): 0.2
Concentration (ug/L): 0.0

Mean Conc (ug/L): 0.1 SD: 0.10 RSD(%): 93.1

Mean Conc (ug/L): -0.9 SD: 0.32 RSD(%): 34.8

~~~~~~

Sample ID: + Sequence No.: 00012 Sampler Position: 5

Concentration (ug/L): -0.5
Concentration (ug/L): -1.1

Mean Conc (ug/L): -0.8 SD: 0.45 RSD(%): 56.5

~~~~~~

Sample ID: 0820/8 Sequence No.: 00013 Sampler Position: 6

Concentration (ug/L): -0.8
Concentration (ug/L): -0.9

Mean Conc (ug/L): -0.8 SD: 0.03 RSD(%): 3.1

?@?????B==
Multielement File: PBSE21291 Analyst: PLH
Date: 2/12/91 Time: 15:07
Data Storage File: PBSE21291 ID/Weight File: PBSE21291
==

Element File: Pb-c Element: Pb
Date: 2/12/91 Time: 15:10
Data Storage File: PBSE21291 ID/Weight File: PBSE21291
Technique: HGA Calibration Type: Nonlinear
Remark 1: Check Standard is ICV-4 = 97.5 ug/L
Remark 2: CCV is 75.0 ug/L (Inorganic Ventures)
Remark 3: Background Correction: BZ

~~~~~~

Sample ID: Blank Sequence No.: 00001 Sampler Position: 40

Blank Corrected Pk Area (A-s): -0.001
Blank Corrected Pk Area (A-s): -0.000

Mean Pk Area (A-s): -0.001 SD: 0.0004 RSD(%): 58.7

Auto-zero performed.

~~~~~~

Sample ID: Standard 1 Sequence No.: 00002 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.049
Blank Corrected Pk Area (A-s): 0.050

Mean Pk Area (A-s): 0.050 SD: 0.0008 RSD(%): 1.5

Standard number 1 applied. [10.0]

~~~~~~

Sample ID: Standard 2 Sequence No.: 00003 Sampler Position: 38

Concentration (ug/L): 45.6
Concentration (ug/L): 45.6

Mean Conc (ug/L): 45.6 SD: 0.03 RSD(%): 0.1

Standard number 2 applied. [50.0]

~~~~~~

Sample ID: Standard 3 Sequence No.: 00004 Sampler Position: [illegible]

Concentration (ug/L): 89.6
Concentration (ug/L): 90.3

Mean Conc (ug/L): 90.0 SD: 0.49 RSD(%): 0.5

Standard number 3 applied. [90.0]

Sample ID: Standard 4 Sequence No.: 00005 Sampler Position: 39

Concentration (ug/L): 143.0

r = .99999

Concentration (ug/L): 144.8

Mean Conc (ug/L): 143.9 SD: 1.31 RSD(%): 0.9

Standard number 4 applied. [150.0]

Sample ID: Blank Sequence No.: 00006 Sampler Position: 40

Concentration (ug/L): 0.1
Concentration (ug/L): 0.7

Mean Conc (ug/L): 0.4 SD: 0.46 RSD(%): 117.2

Auto-zero performed.

Sample ID: ICV Sequence No.: 00007 Sampler Position: 1

Concentration (ug/L): 105.0
Concentration (ug/L): 105.1

Mean Conc (ug/L): 105.1 SD: 0.08 RSD(%): 0.1

Sample ID: ICB Sequence No.: 00008 Sampler Position: 2

Concentration (ug/L): 1.0
Concentration (ug/L): 0.7

Mean Conc (ug/L): 0.9 SD: 0.22 RSD(%): 25.3

Sample ID: CRA Sequence No.: 00009 Sampler Position: 3

Concentration (ug/L): 3.9
Concentration (ug/L): 4.0

Mean Conc (ug/L): 4.0 SD: 0.09 RSD(%): 2.4

Sample ID: 91010819 8 Sequence No.: 00010 Sampler Position: 4

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

Sample ID: + Sequence No.: 00011 Sampler Position: 5

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0820 8 Sequence No.: 00012 Sampler Position: 6

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: + Sequence No.: 00013 Sampler Position: 7

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0821 8 Sequence No.: 00014 Sampler Position: 8

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: + Sequence No.: 00015 Sampler Position: 9

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0827SPK/100 Sequence No.: 00016 Sampler Position: 10

The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

Result greater than allowed by display format (>9999).
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0822 8 pbse Sequence No.: 00017 Sampler Position: 11

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
The height of this peak exceeds the rollover value.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: + Blank to clean out injector Sequence No.: 00018 Sampler Position: 12

Concentration (ug/L): 1.5
Concentration (ug/L): 0.8

Mean Conc (ug/L): 1.1 SD: 0.52 RSD(%): 45.2

~~~~~~

Sample ID: CCV Sequence No.: 00019 Sampler Position: 13

Concentration (ug/L): 70.0
Concentration (ug/L): 70.7

Mean Conc (ug/L): 70.3 SD: 0.48 RSD(%): 0.7

~~~~~~

Sample ID: CCB Sequence No.: 00020 Sampler Position: 14

Concentration (ug/L): 0.5
Concentration (ug/L): 0.3

Mean Conc (ug/L): 0.4 SD: 0.15 RSD(%): 41.4

~~~~~~

Sample ID: 0823SPK Sequence No.: 00021 Sampler Position: 15

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0824SPKDUP Sequence No.: 00022 Sampler Position: 16

Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

~~~~~~

Sample ID: 0954 8 Sequence No.: 00023 Sampler Position: 17

Concentration (ug/L): 39.6
Concentration (ug/L): 39.2 Redo/2

Mean Conc (ug/L): 39.4 SD: 0.23 RSD(%): 0.6

Sample ID: + Sequence No.: 00024 Sampler Position: 18

Concentration (ug/L): 50.5
Concentration (ug/L): 50.6

Mean Conc (ug/L): 50.5 SD: 0.10 RSD(%): 0.2

Sample ID: 0955spk/100 Sequence No.: 00025 Sampler Position: 19

Concentration (ug/L): 44.1
Concentration (ug/L): 44.8

Mean Conc (ug/L): 44.5 X100 SD: 0.49 RSD(%): 1.1

Sample ID: 91020025 8 Sequence No.: 00026 Sampler Position: 20

Concentration (ug/L): 45.3
Concentration (ug/L): 44.2

Mean Conc (ug/L): 44.7 Redo/2 SD: 0.76 RSD(%): 1.7

Sample ID: + Sequence No.: 00027 Sampler Position: 21

Concentration (ug/L): 56.3
Concentration (ug/L): 56.2

Mean Conc (ug/L): 56.2 SD: 0.06 RSD(%): 0.1

Sample ID: 0030spk/100 Sequence No.: 00028 Sampler Position: 22

Concentration (ug/L): 50.5
Concentration (ug/L): 50.2

Mean Conc (ug/L): 50.3 SD: 0.21 RSD(%): 0.4

Sample ID: TCB A Sequence No.: 00029 Sampler Position: 23

Concentration (ug/L): 8.4
Concentration (ug/L): 8.2

Mean Conc (ug/L): 8.3 SD: 0.14 RSD(%): 1.7

Sample ID: TCB B Sequence No.: 00030 Sampler Position: 24

Concentration (ug/L): 7.6
Concentration (ug/L): 8.0

Mean Conc (ug/L): 7.8 SD: 0.25 RSD(%): 3.2

~~~~~~

Sample ID: CCV Sequence No.: 00031 Sampler Position: 25

Concentration (ug/L): 74.8
Concentration (ug/L): 74.4

Mean Conc (ug/L): 74.6 SD: 0.26 RSD(%): 0.3

~~~~~~

Sample ID: CCB Sequence No.: 00032 Sampler Position: 26

Concentration (ug/L): -0.1
Concentration (ug/L): -0.1

Mean Conc (ug/L): -0.1 SD: 0.06 RSD(%): 60.4

~~~~~~

Sample ID: PB BL M Sequence No.: 00033 Sampler Position: 27

Concentration (ug/L): 1.0
Concentration (ug/L): 0.9

Mean Conc (ug/L): 1.0 SD: 0.07 RSD(%): 7.0

~~~~~~

Sample ID: + Sequence No.: 00034 Sampler Position: 28

Concentration (ug/L): 21.2
Concentration (ug/L): 20.7

Mean Conc (ug/L): 21.0 SD: 0.29 RSD(%): 1.4

~~~~~~

Sample ID: LCS Sequence No.: 00035 Sampler Position: 29

Concentration (ug/L): 52.9
Concentration (ug/L): 53.1

Mean Conc (ug/L): 53.0 SD: 0.18 RSD(%): 0.3

~~~~~~

Sample ID: + Sequence No.: 00036 Sampler Position: 30

Concentration (ug/L): 73.0
Concentration (ug/L): 73.1

Mean Conc (ug/L): 73.1 SD: 0.11 RSD(%): 0.2

~~~~~~

Sample ID: 0897/5 redos Sequence No.: 00037 Sampler Position: 31

Concentration (ug/L): 43.3
Concentration (ug/L): 43.3

Mean Conc (ug/L): 43.3 SD: 0.01 RSD(%): 0.0

~~~~~~

Sample ID: + Sequence No.: 00038 Sampler Position: 32

Concentration (ug/L): 61.7
Concentration (ug/L): 61.8

Mean Conc (ug/L): 61.7 SD: 0.03 RSD(%): 0.0

Sample ID: 0904spk/5 Sequence No.: 00039 Sampler Position: 33

Concentration (ug/L): 42.6
Concentration (ug/L): 42.5

Mean Conc (ug/L): 42.6 SD: 0.04 RSD(%): 0.1

Sample ID: 0905spkdup/5 Sequence No.: 00040 Sampler Position: 34

Concentration (ug/L): 45.0
Concentration (ug/L): 44.6

Mean Conc (ug/L): 44.8 SD: 0.33 RSD(%): 0.7

Sample ID: CCV Sequence No.: 00041 Sampler Position: 35

Concentration (ug/L): 76.1
Concentration (ug/L): 75.9

Mean Conc (ug/L): 76.0 SD: 0.13 RSD(%): 0.2

Sample ID: CCB Sequence No.: 00042 Sampler Position: 36

Concentration (ug/L): -0.3
Concentration (ug/L): -0.2

Mean Conc (ug/L): -0.3 SD: 0.06 RSD(%): 23.9

Sample ID: 40 Sequence No.: 00043 Sampler Position: 40

Concentration (ug/L): -0.1
Concentration (ug/L): 0.1

Mean Conc (ug/L): 0.0 SD: 0.18 RSD(%): 224.9

Perkin Elmer 5100

Multielement File PB25912 Analyst: PLM
Date 2/06/91 Time: 16:07
Data Storage File PB25912 ID/Weight File: PB25912

Element File Pb-quad Element Pb
Date 2/06/91 Time 16:07
Data Storage File PB25912 ID/Weight File: PB25912
Technique HGA Calibration Type: Absorbance

Sample ID: ICE Sequence No 00001 Sampler Position 2

Blank Corrected Pk Area (A-s) -0.001

Element File Pb-c Element: Pb
Date: 2/06/91 Time: 16:14
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: Check Standard is ICV-4 = 97.5 ug/L
Remark 2: CCV is 73.0 ug/L (Inorganic Ventures)
Remark 3: Background Correction: BZ

Sample ID: Blank Sequence No.: 00002 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s) -0.003

Mean Pk Area (A-s): -0.001 SD: 0.0022 RSD(%): 147

Auto-zero performed.

Sample ID Standard 1 Sequence No 00003 Sampler Position 1

Blank Corrected Pk Area (A-s) 0.049
Blank Corrected Pk Area (A-s): 0.056

Mean Pk Area (A-s) 0.053 SD 0.0070 RSD(%): 9.5

Standard number 1 applied [10.00

Sample ID: Standard 2 Sequence No : 00004 Sampler Position 39

Concentration (ug/L): 43.1
Concentration (ug/L) 43.5

Mean Conc (ug/L): 43.3 SD. 0.28 RSD(%) 0.6

Standard number 2 applied. [50.00

Sample ID: Standard 3 Sequence No.: 00005 Sampler Position: 39

Concentration (ug/L) 89.9
Concentration (ug/L) 86.0

Mean Conc (ug/L) 87.9 SD: 2.73 RSD(%) 3

Standard number 3 applied. [90.0]

Sample ID Standard 4 Sequence No : 00006 Sampler Position 3

Concentration (ug/L) 176.9
Concentration (ug/L) 180.7

Mean Conc (ug/L) 178.8 SD: 2.84 RSD(%): 1.6

Standard number 4 applied. [150.0]

Sample ID: Blank Sequence No.: 00007 Sampler Position: 40

Concentration (ug/L) -0.0
Concentration (ug/L) 0.3

Mean Conc (ug/L) 0.1 SD: 0.22 RSD(%): 200

Auto-zero performed.

Sample ID: ICV Sequence No.: 00008 Sampler Position: 1

Concentration (ug/L) 108.0
Concentration (ug/L) 107.9

Mean Conc (ug/L): 108.0 SD: 0.03 RSD(%): 0.0

Sample ID ICB Sequence No 00009 Sampler Position 2

Concentration (ug/L) -0.2
Concentration (ug/L) -0.1

Mean Conc (ug/L) -0.2 SD: 0.11 RSD(%): 55

Sample ID: CRA Sequence No : 00010 Sampler Position 3

Concentration (ug/L) 4.3
Concentration (ug/L) 4.4

Mean Conc (ug/L): 4.3 SD: 0.09 RSD(%): 2.0

Sample ID: 91010889 Dr 1 15 Sequence No : 00011 Sampler Position 4

Concentration (ug/L): 29.5
Concentration (ug/L): 29.7

Mean Conc (ug/L): 29.6 SD: 0.18 RSD(%): 0.6

Sample ID: + Sequence No.: 00012 Sampler Position: 3

Concentration (ug/L): 51.3
Concentration (ug/L): 49.8

Mean Conc (ug/L): 50.6 SD: 1.22 RSD(%): 2.4

Sample ID: 0090 12 Sequence No.: 00013 Sampler Position: 4

Concentration (ug/L): 41.5
Concentration (ug/L): 41.7

Mean Conc (ug/L): 41.6 SD: 0.12 RSD(%): 0.3

Sample ID: + Sequence No.: 00014 Sampler Position: 7

Concentration (ug/L): 59.5
Concentration (ug/L): 59.7

Mean Conc (ug/L): 59.6 SD: 0.16 RSD(%): 0.3

Sample ID: 0091 15 Sequence No.: 00015 Sampler Position: 8

Concentration (ug/L): 18.6
Concentration (ug/L): 21.8

Mean Conc (ug/L): 20.2 SD: 2.32 RSD(%): 11.5

Sample ID: + Sequence No.: 00016 Sampler Position: 9

Concentration (ug/L): 40.3
Concentration (ug/L): 39.1

Mean Conc (ug/L): 39.7 SD: 0.84 RSD(%): 2.1

Sample ID: 0092 12 Sequence No.: 00017 Sampler Position: 10

Concentration (ug/L): 32.6
Concentration (ug/L): 32.6

Mean Conc (ug/L): 32.6 SD: 0.05 RSD(%): 0.2

Sample ID: + Sequence No.: 00018 Sampler Position: 11

Concentration (ug/L): 51.7
Concentration (ug/L): 51.6

Mean Conc (ug/L): 51.7 SD: 0.05 RSD(%): 0.1

Sample ID: CCV Sequence No.: 00019 Sampler Position: 12

Concentration (ug/L): 77.9
Concentration (ug/L): 78.9

Mean Conc (ug/L): 78.4 SD: 0.66 RSD(%): 0.8

Sample ID: 0005 Sequence No: 00020 Sampler Position: 11

Concentration (ug/L): -0.2
Concentration (ug/L): 0.2

Mean Conc (ug/L): 0.0 SD: 0.29 RSD(%): 816

Sample ID: 0893/5 Sequence No: 00021 Sampler Position: 14

Concentration (ug/L): 34.5
Concentration (ug/L): 34.8

Mean Conc (ug/L): 34.7 SD: 0.19 RSD(%): 0.1

Sample ID: + Sequence No.: 00022 Sampler Position: 15

Concentration (ug/L): 60.4
Concentration (ug/L): 59.9

Mean Conc (ug/L): 60.1 SD: 0.34 RSD(%): 0.6

Sample ID: 0894/5 Sequence No.: 00023 Sampler Position: 16

Concentration (ug/L): 32.4
Concentration (ug/L): 33.1

Mean Conc (ug/L): 32.7 SD: 0.45 RSD(%): 1.1

Sample ID: - Sequence No: 00024 Sampler Position: 17

Concentration (ug/L): 34.4
Concentration (ug/L): 35.3

Mean Conc (ug/L): 34.9 SD: 0.69 RSD(%): 1.9

Sample ID: 0895/5 Sequence No.: 00025 Sampler Position: 18

Concentration (ug/L): 22.1
Concentration (ug/L): 21.5

Mean Conc (ug/L): 21.8 SD: 0.43 RSD(%): 2.0

Sample ID: + Sequence No.: 00026 Sampler Position: 19

Concentration (ug/L): 45.3
Concentration (ug/L): 44.0

Mean Conc (ug/L): 44.7 SD: 0.89 RSD(%): 2.0

Sample ID: 0096 15 Sequence No: 00027 Sampler Position: 27

Concentration (ug/L): 39.7
Concentration (ug/L): 28.8

Mean Conc (ug/L): 29.9 SD: 0.04 RSD(%): 0.1

Sample ID: - Sequence No: 00028 Sampler Position: 21

Concentration (ug/L): 48.4
Concentration (ug/L): 49.3

Mean Conc (ug/L): 48.8 SD: 0.68 RSD(%): 1.4

Sample ID: 0097 15 Sequence No.: 00029 Sampler Position: 22

Concentration (ug/L): 19.9
Concentration (ug/L): 18.4

Mean Conc (ug/L): 18.6 SD: 0.27 RSD(%): 1.5

Sample ID: + Sequence No.: 00030 Sampler Position: 23

Concentration (ug/L): 38.9
Concentration (ug/L): 39.0

Mean Conc (ug/L): 38.9 SD: 0.04 RSD(%): 0.1

Sample ID: CCV Sequence No: 00031 Sampler Position: 24

Concentration (ug/L): 80.5
Concentration (ug/L): 82.8

Mean Conc (ug/L): 81.6 SD: 1.62 RSD(%): 2.0

Sample ID: CCB Sequence No.: 00032 Sampler Position: 25

Concentration (ug/L): 0.1
Concentration (ug/L): -0.0

Mean Conc (ug/L): 0.0 SD: 0.11 RSD(%): 320

Sample ID: 0904SPK 15 Sequence No.: 00033 Sampler Position: 26

The height of this peak exceeds the rollover value.
Concentration (ug/L): 281.5
The sample absorbance is greater than that of the highest standard.
Concentration (ug/L): 271.1

The sample absorbance is greater than that of the highest standard
Mean Conc (ug/L) 276.3 SD: 7.30 RSD(%): 2.4

Sample ID: 0905SPKD 15 Sequence No: 00034 Sampler Position: 27

Concentration (ug/L): 39.0
Concentration (ug/L): 33.4

Mean Conc (ug/L): 35.9 SD: 4.51 RSD(%): 12

Sample ID: 0899 Sequence No: 00035 Sampler Position: 29

Concentration (ug/L): 45.0
Concentration (ug/L): 44.3

Mean Conc (ug/L): 44.7 SD: 0.45 RSD(%): 1.0

Sample ID: + Sequence No: 00036 Sampler Position: 29

Concentration (ug/L): 64.2
Concentration (ug/L): 65.9

Mean Conc (ug/L): 65.0 SD: 1.17 RSD(%): 1.8

Sample ID: 0899 Sequence No: 00037 Sampler Position: 30

Concentration (ug/L): 50.5
Concentration (ug/L): 51.1

Mean Conc (ug/L): 50.8 SD: 0.46 RSD(%): 0.9

Sample ID: + Sequence No: 00038 Sampler Position: 31

Concentration (ug/L): 70.2
Background absorbance signal is changing during BOC operation.
Concentration (ug/L): 71.4

Mean Conc (ug/L): 70.8 SD: 0.82 RSD(%): 1.2

Sample ID: 91010954 Sequence No: 00039 Sampler Position: 32

The height of this peak exceeds the rollover value.
Concentration (ug/L): 553.6
The height of this peak exceeds the rollover value.
Concentration (ug/L): 585.4

The sample absorbance is greater than that of the highest standard.
Mean Conc (ug/L): 569.3 SD: 22.47 RSD(%): 3.9

Sample ID: + Sequence No: 00040 Sampler Position: 33

The height of this peak exceeds the rollover value.

Concentration (ug/L) 590.9
The height of this peak exceeds the rollover value
Concentration (ug/L) 576.0

The sample absorbance is greater than that of the highest standard.
Mean Conc (ug/L) 583.4 SD: 10.50 RSD(%): 1.

Sample ID: 0934SPK Sequence No.: 00041 Sampler Position: 34

The height of this peak exceeds the rollover value.
Concentration (ug/L): 513.7
The height of this peak exceeds the rollover value
Concentration (ug/L) 512.4

The sample absorbance is greater than that of the highest standard.
Mean Conc (ug/L): 513.0 SD: 0.94 RSD(%): 0.2

Sample ID: 0957SPKD Sequence No.: 00042 Sampler Position: 35

The height of this peak exceeds the rollover value.
Concentration (ug/L): 559.4
The height of this peak exceeds the rollover value.
Concentration (ug/L): 548.6

The sample absorbance is greater than that of the highest standard.
Mean Conc (ug/L): 554.0 SD: 7.66 RSD(%): 1.4

Sample ID: CCV Sequence No.: 00043 Sampler Position: 36

Concentration (ug/L): 87.7
Concentration (ug/L) 86.6

Mean Conc (ug/L): 87.2 SD: 0.79 RSD(%): 0.9

Sample ID: 40 Sequence No.: 00044 Sampler Position: 40

Concentration (ug/L) 0.4
Concentration (ug/L): 0.4

Mean Conc (ug/L): 0.4 SD: 0.01 RSD(%): 3.1

Element File: Se-c Element: Se
Date: 2/06/91 Time: 20:17
Data Storage File: PE25912 ID/Weight File: PE25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

Sample ID: Blank Sequence No.: 00045 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s): 0.004

1409-17

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/13 Time: 22:12
Date of Report: 91/02/14 Time: 00:05

		Ag I SL353 ug/l	Ag I SL353 ug/l	
ICV ICAP		1004	1004	
ICV WP		ND(10)	10	
ICB		ND(10)	ND(10)	
CRI		17	17	
INTWO		ND(10)	ND(10)	
INTW		386	398	
91010902	PBwBLH	ND(10)	ND(10)	
91010903	LCSw	34	50/41/82%	
91010884	3	ND(10)	ND(10)	
91010885	3	ND(10)	ND(10)	
91010900	S	31	50/36/72%	
91010901	DS	31	35	72/70/3RPD
91010885	L	ND(10)	ND(10)	
CCV		512	521	
CCB		ND(10)	ND(10)	
91010886	3	ND(10)	ND(10)	
91010887	3	ND(10)	ND(10)	
91010888	3	ND(10)	ND(10)	
91010906	PBsRDJ	ND(10)	ND(1.0) MG/KG	
91010907	LCSs	30	33	
91010889	3s	ND(10)	ND(1.0) MG/KG	
91010890	3s	ND(10)	ND(1.0)	
91010891	3s	ND(10)	ND(1.0)	
91010892	3s	ND(10)	ND(1.0)	
91010893	3s	ND(10)	ND(1.0)	
CCV		530	536	
CCB		ND(10)	ND(10)	
91010894	3s	ND(10)	ND(1.0) MG/KG	
91010895	3s	ND(10)	ND(1.0)	
91010896	3s	ND(10)	ND(1.0)	
91010897	3s	ND(10)	ND(1.0)	
91010904	Ss	34	50/33/66%	
91010905	DSs	29	35	66/70/6RPD
91010897	L	ND(10)	ND(10)	
91010898	3s	ND(10)	ND(1.0) MG/KG	
91010899	3s	ND(10)	ND(1.0)	
CCV		520	529	
CCB		ND(10)	ND(10)	
91010910/958	PBs	ND(10)	ND(1.0) MG/KG	91010958
91010911/959	LCS	50/35/70%	28	91010959
91010954	3s	ND(10)	ND(1.0) MG/KG	
91010908/956	Ss	50/35/70%	30	91010956
91010909/957	DS	39	24	70/78/11RPD 91010957
91010954	L	ND(10)	ND(10)	
CRI		ND(10)	11	
INTWO		ND(10)	ND(10)	
INTW		389	398	

(cont.)	Ag I SL 53 ug/l	Ag I SL 53 ug/l
CCV	512	532
CCB	ND(10)	ND(10)
91010954 f	ND(10)	ND(10)
91010954 Sf	28	33
91010954 DSf	27	28

1409-19

Run Auto Mode 91/02/13 22:12

Method Name: Replicates: 2 Read Delay: 55
Print Format: All Data ID Name: ecol Data Name: ecolag
Remarks:

Ag I Ag I

Element Name Ag I Gain 622
Element Name Ag I Gain 626

Standard 3 Replicate 1

Ag I	EM	89867	
Ag I	EM	92270	

Standard 3 Replicate 2

Ag I	EM	89739	
Ag I	EM	94881	

Ag I	AV	89803	SD	87.7	CV	0.0	CONC	2000	SL	53	ug
Ag I	AV	93575	SD	1845.6	CV	1.9	CONC	2000	SL	53	ug

Blank Replicate 1

Ag I	EM	368
Ag I	EM	290

Blank Replicate 2

Ag I	EM	416
Ag I	EM	189

Ag I	AV	392	SD	33.9	CV	8.6	CONC	0	SL	53	ug
Ag I	AV	239	SD	71.4	CV	29.8	CONC	0	SL	53	ug

ICV ICAP Replicate 1

Ag I	1007	SL 53	ug/l
Ag I	999	SL 53	ug/l

ICV ICAP Replicate 2

Ag I	1001	SL 53	ug/l
Ag I	1009	SL 53	ug/l

Ag I	AV	1004	SL 53 ug/l	SD	4.3	CV	0.4
Ag I	AV	1004	SL 53 ug/l	SD	6.7	CV	0.6

ICV WP Replicate 1

Ag I	5	SL	53	ug/l	
Ag I	10	SL	53	ug/l	

ICV WP Replicate 2

Ag I	0	SL	53	ug/l	
Ag I	11	SL	53	ug/l	

Ag I	AV	3	SL	53	ug/l	SD	3.8	CV	122.4
Ag I	AV	10	SL	53	ug/l	SD	0.5	CV	5.1

ICB Replicate 1

Ag I	-11	SL	53	ug/l	
Ag I	2	SL	53	ug/l	

ICB Replicate 2

Ag I	-3	SL	53	ug/l	
Ag I	0	SL	53	ug/l	

Ag I	AV	-7	SL	53	ug/l	SD	5.4	CV	75.5
Ag I	AV	1	SL	53	ug/l	SD	1.1	CV	64.6

CRI Replicate 1

Ag I	20	SL	53	ug/l	
Ag I	16	SL	53	ug/l	

CRI Replicate 2

Ag I	14	SL	53	ug/l	
Ag I	18	SL	53	ug/l	

Ag I	AV	17	SL	53	ug/l	SD	3.9	CV	22.7
Ag I	AV	17	SL	53	ug/l	SD	1.4	CV	7.9

INTWO Replicate 1

Ag I	1	SL	53	ug/l	
Ag I	-3	SL	53	ug/l	

INTWO Replicate 2

Ag I	-15	SL	53	ug/l	Peak Offset
Ag I	-3	SL	53	ug/l	Peak Offset

Ag I	AV	-7	SL	53	ug/l	SD	12.1	CV	168.7
Ag I	AV	-3	SL	53	ug/l	SD	0.0	CV	0.9

INTW Replicate 1

Ag I	385	SL	53	ug/l		
Ag I	395	SL	53	ug/l		

INTW Replicate 2

Ag I	387	SL	53	ug/l		
Ag I	401	SL	53	ug/l		

Ag I	AV	386	SL	53	ug/l	SD	1.6	CV	0.4
Ag I	AV	398	SL	53	ug/l	SD	3.7	CV	0.9

91010902 PBwBL Replicate 1

Ag I	-11	SL	53	ug/l	Peak Offset
Ag I	-3	SL	53	ug/l	

91010902 PBwBL Replicate 2

Ag I	-5	SL	53	ug/l	
Ag I	-8	SL	53	ug/l	Peak Offset

Ag I	AV	-8	SL	53	ug/l	SD	4.1	CV	50.2
Ag I	AV	-6	SL	53	ug/l	SD	4.0	CV	67.5

91010903 LCSw Replicate 1

Ag I	31	SL	53	ug/l
Ag I	41	SL	53	ug/l

91010903 LCSw Replicate 2

Ag I	36	SL	53	ug/l
Ag I	41	SL	53	ug/l

Ag I	AV	34	SL	53	ug/l	SD	3.2	CV	9.5
Ag I	AV	41	SL	53	ug/l	SD	0.0	CV	0.2

91010884 3 Replicate 1

Ag I	-3	SL	53	ug/l
Ag I	1	SL	53	ug/l

91010884 3 Replicate 2

Ag I	-6	SL	53	ug/l	Peak Offset
Ag I	-5	SL	53	ug/l	

Ag I	AV	-5	SL	53	ug/l	SD	2.3	CV	46.1
Ag I	AV	-2	SL	53	ug/l	SD	4.6	CV	225.2

91010885 3 Replicate 1

Ag I -7 SL 53 ug/l
Ag I -11 SL 53 ug/lPeak Offset

91010885 3 Replicate 2

Ag I -3 SL 53 ug/lPeak Offset
Ag I -2 SL 53 ug/l

Ag I	AV	-5 SL 53 ug/l	SD	2.6	CV	45.5
Ag I	AV	-7 SL 53 ug/l	SD	6.3	CV	84.9

91010900 S Replicate 1

Ag I 25 SL 53 ug/l
Ag I 38 SL 53 ug/l

91010900 S Replicate 2

Ag I 37 SL 53 ug/l
Ag I 34 SL 53 ug/l

Ag I	AV	31 SL 53 ug/l	SD	8.0	CV	25.3
Ag I	AV	36 SL 53 ug/l	SD	3.3	CV	9.0

91010901 DS Replicate 1

Ag I 31 SL 53 ug/l
Ag I 36 SL 53 ug/l

91010901 DS Replicate 2

Ag I 32 SL 53 ug/l
Ag I 34 SL 53 ug/l

Ag I	AV	31 SL 53 ug/l	SD	0.1	CV	0.3
Ag I	AV	35 SL 53 ug/l	SD	0.7	CV	2.1

91010885 L Replicate 1

Ag I -4 SL 53 ug/l
Ag I -5 SL 53 ug/lPeak Offset

91010885 L Replicate 2

Ag I 0 SL 53 ug/l
Ag I -1 SL 53 ug/l

Ag I	AV	-2 SL 53 ug/l	SD	2.6	CV	93.3
Ag I	AV	-3 SL 53 ug/l	SD	2.8	CV	84.2

CCV Replicate 1

Ag I	521	SL	53	ug/l		
Ag I	526	SL	53	ug/l		

CCV Replicate 2

Ag I			504	SL	53	ug/l				
Ag I			515	SL	53	ug/l				
Ag I	AV	512	SL	53	ug/l	SD	11.9	CV	2.3	
Ag I	AV	521	SL	53	ug/l	SD	7.4	CV	1.4	

CCB Replicate 1

Ag I	-12	SL	53	ug/l	Peak Offset	
Ag I	0	SL	53	ug/l		

CCB Replicate 2

Ag I			-5	SL	53	ug/l	Peak Offset			
Ag I			0	SL	53	ug/l				
Ag I	AV	-8	SL	53	ug/l	SD	5.2	CV	59.7	
Ag I	AV	0	SL	53	ug/l	SD	0.0	CV	8.1	

91010886 3 Replicate 1

Ag I	-5	SL	53	ug/l
Ag I	-3	SL	53	ug/l

91010886 3 Replicate 2

Ag I			-5	SL	53	ug/l				
Ag I			-7	SL	53	ug/l				
Ag I	AV	-5	SL	53	ug/l	SD	0.0	CV	1.1	
Ag I	AV	-5	SL	53	ug/l	SD	2.9	CV	55.5	

91010887 3 Replicate 1

Ag I	-2	SL	53	ug/l
Ag I	-4	SL	53	ug/l

91010887 3 Replicate 2

Ag I			-13	SL	53	ug/l	Peak Offset			
Ag I			-6	SL	53	ug/l	Peak Offset			
Ag I	AV	-8	SL	53	ug/l	SD	7.1	CV	89.4	
Ag I	AV	-5	SL	53	ug/l	SD	0.8	CV	14.4	

91010888 3 Replicate 1

Ag I -4 SL 53 ug/l
Ag I -7 SL 53 ug/lPeak Offset

91010888 3 Replicate 2

Ag I -6 SL 53 ug/l
Ag I -7 SL 53 ug/l

Ag I	AV	-5	SL	53	ug/l	SD	1.4	CV	24.4
Ag I	AV	-7	SL	53	ug/l	SD	0.3	CV	4.1

91010906 PBsRD Replicate 1

Ag I -7 SL 53 ug/l
Ag I -3 SL 53 ug/l

91010906 PBsRD Replicate 2

Ag I -7 SL 53 ug/l
Ag I -5 SL 53 ug/l

Ag I	AV	-7	SL	53	ug/l	SD	0.0	CV	0.8
Ag I	AV	-4	SL	53	ug/l	SD	1.3	CV	32.1

91010907 LCSs Replicate 1

Ag I 28 SL 53 ug/l
Ag I 29 SL 53 ug/lPeak Offset

91010907 LCSs Replicate 2

Ag I 31 SL 53 ug/l
Ag I 38 SL 53 ug/l

Ag I	AV	30	SL	53	ug/l	SD	2.2	CV	7.4
Ag I	AV	33	SL	53	ug/l	SD	6.6	CV	19.6

91010889 3s Replicate 1

Ag I -6 SL 53 ug/l
Ag I -11 SL 53 ug/l

91010889 3s Replicate 2

Ag I -15 SL 53 ug/lPeak Offset
Ag I -11 SL 53 ug/l

Ag I	AV	-11	SL	53	ug/l	SD	6.0	CV	54.3
Ag I	AV	-11	SL	53	ug/l	SD	0.3	CV	3.4

91010890 3s Replicate 1

Ag I -10 SL 53 ug/l
Ag I -15 SL 53 ug/lPeak Offset

91010890 3s Replicate 2

Ag I -13 SL 53 ug/l
Ag I -6 SL 53 ug/l

Ag I AV -11 SL 53 ug/l SD 1.8 CV 15.0
Ag I AV -11 SL 53 ug/l SD 6.3 CV 55.2

91010891 3s Replicate 1

Ag I -15 SL 53 ug/l
Ag I -20 SL 53 ug/lPeak Offset

91010891 3s Replicate 2

Ag I -6 SL 53 ug/l
Ag I -9 SL 53 ug/l

Ag I AV -10 SL 53 ug/l SD 6.6 CV 60.8
Ag I AV -15 SL 53 ug/l SD 7.8 CV 50.5

91010892 3s Replicate 1

Ag I -5 SL 53 ug/l
Ag I -16 SL 53 ug/lPeak Offset

91010892 3s Replicate 2

Ag I -20 SL 53 ug/lPeak Offset
Ag I -7 SL 53 ug/l

Ag I AV -12 SL 53 ug/l SD 10.0 CV 78.1
Ag I AV -11 SL 53 ug/l SD 6.6 CV 55.6

91010893 3s Replicate 1

Ag I -1 SL 53 ug/l
Ag I -4 SL 53 ug/lPeak Offset

91010893 3s Replicate 2

Ag I -12 SL 53 ug/l
Ag I -2 SL 53 ug/l

Ag I AV -7 SL 53 ug/l SD 7.7 CV 105.7
Ag I AV -3 SL 53 ug/l SD 0.9 CV 29.4

CCV Replicate 1

Ag I	535	SL	53	ug/l	
Ag I	538	SL	53	ug/l	

CCV Replicate 2

Ag I	524	SL	53	ug/l	
Ag I	533	SL	53	ug/l	

Ag I	AV	530	SL	53	ug/l	SD	7.4	CV	1.4
Ag I	AV	536	SL	53	ug/l	SD	4.0	CV	0.7

CCB Replicate 1

Ag I	0	SL	53	ug/l	
Ag I	-2	SL	53	ug/l	

CCB Replicate 2

Ag I	-3	SL	53	ug/l	
Ag I	-5	SL	53	ug/l	

Ag I	AV	-2	SL	53	ug/l	SD	2.0	CV	93.5
Ag I	AV	-3	SL	53	ug/l	SD	1.9	CV	50.9

91010894 3s Replicate 1

Ag I	-12	SL	53	ug/l	
Ag I	-5	SL	53	ug/l	

91010894 3s Replicate 2

Ag I	-12	SL	53	ug/l	Peak Offset
Ag I	-8	SL	53	ug/l	

Ag I	AV	-12	SL	53	ug/l	SD	0.4	CV	3.4
Ag I	AV	-7	SL	53	ug/l	SD	2.2	CV	31.8

91010895 3s Replicate 1

Ag I	-17	SL	53	ug/l	Peak Offset
Ag I	-14	SL	53	ug/l	

91010895 3s Replicate 2

Ag I	-10	SL	53	ug/l	
Ag I	-13	SL	53	ug/l	

Ag I	AV	-13	SL	53	ug/l	SD	5.0	CV	37.2
Ag I	AV	-14	SL	53	ug/l	SD	0.7	CV	5.1

91010896 3s Replicate 1

Ag I -6 SL 53 ug/l
Ag I -7 SL 53 ug/l

91010896 3s Replicate 2

Ag I -9 SL 53 ug/l
Ag I 0 SL 53 ug/l

Ag I	AV	-7 SL 53 ug/l	SD	2.2	CV	29.0
Ag I	AV	-3 SL 53 ug/l	SD	5.4	CV	154.7

91010897 3s Replicate 1

Ag I -10 SL 53 ug/lPeak Offset
Ag I -4 SL 53 ug/l

91010897 3s Replicate 2

Ag I -7 SL 53 ug/l
Ag I -13 SL 53 ug/lPeak Offset

Ag I	AV	-9 SL 53 ug/l	SD	2.2	CV	24.6
Ag I	AV	-8 SL 53 ug/l	SD	6.3	CV	71.4

91010904 Ss Replicate 1

Ag I 34 SL 53 ug/l
Ag I 32 SL 53 ug/l

91010904 Ss Replicate 2

Ag I 34 SL 53 ug/l
Ag I 34 SL 53 ug/l

Ag I	AV	34 SL 53 ug/l	SD	0.0	CV	0.2
Ag I	AV	33 SL 53 ug/l	SD	1.0	CV	3.1

91010905 DSs Replicate 1

Ag I 31 SL 53 ug/l
Ag I 39 SL 53 ug/l

91010905 DSs Replicate 2

Ag I 26 SL 53 ug/l
Ag I 31 SL 53 ug/l

Ag I	AV	29 SL 53 ug/l	SD	3.8	CV	13.0
Ag I	AV	35 SL 53 ug/l	SD	5.5	CV	15.7

91010897 L Replicate 1

Ag I	-5	SL	53	ug/l		
Ag I	-10	SL	53	ug/l	Peak Offset	

91010897 L Replicate 2

Ag I	-10	SL	53	ug/l	Peak Offset	
Ag I	0	SL	53	ug/l		

Ag I	AV	-7	SL	53	ug/l	SD	3.6	CV	46.6
Ag I	AV	-5	SL	53	ug/l	SD	7.3	CV	135.5

91010898 3s Replicate 1

Ag I	-5	SL	53	ug/l		
Ag I	-12	SL	53	ug/l	Peak Offset	

91010898 3s Replicate 2

Ag I	1	SL	53	ug/l		
Ag I	-8	SL	53	ug/l		

Ag I	AV	-2	SL	53	ug/l	SD	5.2	CV	235.6
Ag I	AV	-10	SL	53	ug/l	SD	2.7	CV	25.6

91010899 3s Replicate 1

Ag I	0	SL	53	ug/l		
Ag I	-1	SL	53	ug/l		

91010899 3s Replicate 2

Ag I	-6	SL	53	ug/l		
Ag I	-1	SL	53	ug/l		

Ag I	AV	-3	SL	53	ug/l	SD	4.0	CV	115.4
Ag I	AV	-1	SL	53	ug/l	SD	0.3	CV	20.6

CCV Replicate 1

Ag I	523	SL	53	ug/l		
Ag I	530	SL	53	ug/l		

CCV Replicate 2

Ag I	516	SL	53	ug/l		
Ag I	528	SL	53	ug/l		

Ag I	AV	520	SL	53	ug/l	SD	4.4	CV	0.8
Ag I	AV	529	SL	53	ug/l	SD	1.9	CV	0.3

CCB Replicate 1

Ag I	-3	SL	53	ug/l		
Ag I	0	SL	53	ug/l		

CCB Replicate 2

Ag I	-12	SL	53	ug/l	Peak Offset	
Ag I	2	SL	53	ug/l		

Ag I	AV	-8	SL	53	ug/l	SD	6.4	CV	76.9
Ag I	AV	1	SL	53	ug/l	SD	1.7	CV	142.6

91010910/958PB Replicate 1

Ag I	-16	SL	53	ug/l	Peak Offset	
Ag I	2	SL	53	ug/l		

91010910/958PB Replicate 2

Ag I	-8	SL	53	ug/l	Peak Offset	
Ag I	-6	SL	53	ug/l		

Ag I	AV	-12	SL	53	ug/l	SD	5.2	CV	41.2
Ag I	AV	-2	SL	53	ug/l	SD	6.6	CV	286.1

91010911/959LC Replicate 1

Ag I	34	SL	53	ug/l		
Ag I	30	SL	53	ug/l		

91010911/959LC Replicate 2

Ag I	36	SL	53	ug/l		
Ag I	27	SL	53	ug/l	Peak Offset	

Ag I	AV	35	SL	53	ug/l	SD	1.4	CV	4.1
Ag I	AV	28	SL	53	ug/l	SD	1.9	CV	6.7

91010954 3s Replicate 1

Ag I	0	SL	53	ug/l		
Ag I	-2	SL	53	ug/l		

91010954 3s Replicate 2

Ag I	-7	SL	53	ug/l		
Ag I	2	SL	53	ug/l		

Ag I	AV	-3	SL	53	ug/l	SD	4.2	CV	107.3
Ag I	AV	0	SL	53	ug/l	SD	2.9	CV>	999

91010908/956 S Replicate 1

Ag I	33	SL	53	ug/l		
Ag I	20	SL	53	ug/l	Peak Offset	

91010908/956 S Replicate 2

Ag I	37	SL	53	ug/l		
Ag I	39	SL	53	ug/l		

Ag I	AV	35	SL	53	ug/l	SD	2.3	CV	6.7
Ag I	AV	30	SL	53	ug/l	SD	14.0	CV	46.5

91010909/957 D Replicate 1

Ag I	36	SL	53	ug/l		
Ag I	30	SL	53	ug/l		

91010909/957 D Replicate 2

Ag I	42	SL	53	ug/l		
Ag I	19	SL	53	ug/l	Peak Offset	

Ag I	AV	39	SL	53	ug/l	SD	3.8	CV	9.6
Ag I	AV	24	SL	53	ug/l	SD	7.5	CV	30.3

91010954 L Replicate 1

Ag I	-4	SL	53	ug/l		
Ag I	-8	SL	53	ug/l		

91010954 L Replicate 2

Ag I	-6	SL	53	ug/l		
Ag I	-5	SL	53	ug/l	Peak Offset	

Ag I	AV	-5	SL	53	ug/l	SD	1.4	CV	25.5
Ag I	AV	-6	SL	53	ug/l	SD	2.2	CV	32.5

CRI Replicate 1

Ag I	3	SL	53	ug/l		
Ag I	6	SL	53	ug/l	Peak Offset	

CRI Replicate 2

Ag I	10	SL	53	ug/l		
Ag I	15	SL	53	ug/l		

Ag I	AV	6	SL	53	ug/l	SD	5.0	CV	74.7
Ag I	AV	11	SL	53	ug/l	SD	6.6	CV	59.9

INTWO Replicate 1

Ag I			-5	SL 53	ug/l
Ag I			-1	SL 53	ug/l

INTWO Replicate 2

Ag I			0	SL 53	ug/l
Ag I			0	SL 53	ug/l

Ag I	AV	-2	SL 53	ug/l	SD	3.3	CV	117.1
Ag I	AV	0	SL 53	ug/l	SD	1.1	CV	175.6

INTW Replicate 1

Ag I			393	SL 53	ug/l
Ag I			400	SL 53	ug/l

INTW Replicate 2

Ag I			386	SL 53	ug/l
Ag I			396	SL 53	ug/l

Ag I	AV	389	SL 53	ug/l	SD	4.9	CV	1.2
Ag I	AV	398	SL 53	ug/l	SD	2.7	CV	0.6

CCV Replicate 1

Ag I			515	SL 53	ug/l
Ag I			535	SL 53	ug/l

CCV Replicate 2

Ag I			508	SL 53	ug/l
Ag I			530	SL 53	ug/l

Ag I	AV	512	SL 53	ug/l	SD	4.4	CV	0.8
Ag I	AV	532	SL 53	ug/l	SD	3.8	CV	0.7

CCB Replicate 1

Ag I			-2	SL 53	ug/l
Ag I			-1	SL 53	ug/l

CCB Replicate 2

Ag I			-12	SL 53	ug/l
Ag I			-2	SL 53	ug/l

Ag I	AV	-7	SL 53	ug/l	SD	6.7	CV	89.7
Ag I	AV	-2	SL 53	ug/l	SD	1.0	CV	47.3

91010954 f Replicate 1

Ag I		-3	SL	53	ug/l
Ag I		-8	SL	53	ug/lPeak Offset

91010954 f Replicate 2

Ag I		-2	SL	53	ug/l
Ag I		1	SL	53	ug/l

Ag I	AV	-3	SL	53	ug/l	SD	0.8	CV	25.4
Ag I	AV	-3	SL	53	ug/l	SD	7.1	CV	199.5

91010954 Sf Replicate 1

Ag I		30	SL	53	ug/l
Ag I		38	SL	53	ug/l

91010954 Sf Replicate 2

Ag I		25	SL	53	ug/l
Ag I		28	SL	53	ug/l

Ag I	AV	28	SL	53	ug/l	SD	3.4	CV	12.3
Ag I	AV	33	SL	53	ug/l	SD	6.6	CV	19.7

91010954 DSf Replicate 1

Ag I		34	SL	53	ug/l
Ag I		29	SL	53	ug/l

91010954 DSf Replicate 2

Ag I		21	SL	53	ug/l
Ag I		26	SL	53	ug/l

Ag I	AV	27	SL	53	ug/l	SD	9.6	CV	34.6
Ag I	AV	28	SL	53	ug/l	SD	2.7	CV	9.7

TITLE AS Furnw.

From Page No.

Test Code	Date Analyst	Lab Number	Result	Units	Sample	Spike	Spike Added	% Rec.	Comm
	2-8-91	Blank			0.006				
	PLH	10.0			0.050				
		40.0			40.1				
	PLH	60.0			61.9				
		100.0			—			r=.999	42
		Blank			0.4				
		ICV			51.8				47.0/51.8/110%
		ICB			0.9				
		CRA	10.0		11.4				
SL302		91010889	5.9	mg/kg	11.8	32.5	20.0	103	1:5 DIL
		91010890	ND(5.0)		5.5	26.1	20.0	103	1:5 DIL
		91010891	5.4		10.8	31.6	20.0	104	1:5 DIL
SL302		91010892	ND(5.0)	mg/kg	8.0	28.2	20.0	101	1:5 DIL
		CCV	52.5	ug/L	52.5				50.0/52.5/105%
		CCB			0.3				ND(10.0) ug/L
SL302		91010893	6.3	mg/kg	12.6	33.9	20.0	107	1:5 DIL
		91010894	8.35		16.7	39.0	20.0	111	1:5 DIL
		91010895	ND(5.0)		9.4	30.6	20.0	106	1:5 DIL
		91010896	9.2		18.4	37.0	20.0	93	1:5 DIL
SL302		91010897	ND(5.0)	mg/kg	1.6	22.5	20.0	113	1:5 DIL
		CCV	53.8	ug/L	53.8				50.0/53.8/108%
		CCB			0.3				ND(5.0) ug/L
		91010904			20.8	X2?	Redo	LAST CCV LOW	SPK 1:5 DIL
		91010905			8.9		"		SPK Dup 1:5 DIL
		91010906	ND(10.0)	ug/L	0.8	17.3	"	"	LB
		91010907	40.0/41.0	103%	41.0	56.4	"	"	LCS
		CCV	29.3	ug/L	29.3				30.0/29.3/59%
		CCB			0.1				ND(10.0) ug/L
	2-5-91	blank			0.0039	PH			
	PLH	25.0			0.120				
		100.0			97.8				
		50.0			49.8				
		ICV			50.9				47.0/50.9/103%
		ICB			0.2				
		CRA	10.0		10.3				

To Page No.

Witnessed & Understood by me. Date

Invented by

Recorded by [signature]

Date 2-8-91

TITLE AS Furn.

From Page No.

Test Code	Date Analyst	Lab Number	Result	Units	Sample	Spike	Spike Added	To Rec.	Comm
	2-12-91	BLANK			0.000				
	PLH	25.0			0.115				
		100.0			99.8				
		50.0			52.2				
		ICV			50.7				
		ICB			0.5				
		CRA	10.0		11.0				
		91010897			84.0	97.4	20.0	Redo/2	
		91010904			115.0	—		Redo/2	Spk
		91010905			100.9	—		Redo/2	Spk Dup
SL302		91010906	ND(10.0)	ug/L	0.7	17.8	20.0	89	PB Kat
SL302		91010907	50.0/46.1	92%	46.1	63.0	20.0	85	LCS
		CCV	49.5	ug/L	49.5				50.0/49.1 98%
		CCB			0.1				ND(10.0) ug/L
		91010954			80.3	92.5	20.0	Redo/2	
		91010954			31.5	48.9	20.0		1:2 DIL
		91010956			115.0	53.8			Spk
		91010957			90.4	44.2			Spk Dup
		91010956			53.8				Spk 1:2 DIL
		91010957			44.2	X2			Spk Dup 1:2
		CCV	50.2	ug/L	50.2				50.0/50.2
		CCB			0.2				ND(10.0) ug/L
	2-13-91	BLANK			0.008				
	PLH	25.0			0.111				
		100.0			96.3				
		50.0			50.4				
		ICV			50.2				
		ICB			1.2				
		CRA	10.0	ug/L	11.3				
		91010954			64.7	83.8	20.0	St.	~~1:2 DIL~~ PH
		91010956			102.5	—		Spk St.	~~Spk 1:2 DIL~~ PH
		91010957			84.2	—		Spk Dup St.	~~Spk Dup 1:2 DIL~~ PH
		91010954		mg/kg	28.9	47.9	20.0		1:2 DIL
	SL302	91010956	40.0/42.3/	106%	50.6 =	21.1696 X2	= 42.3392	1:2 DIL	Spk 1:2
	SL302	91010957	106/125/	16 RPD	41.4 X2	25.0000 X2 =	50.0000	1:2 DIL	Spk Dup To Page N

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Test Code	Date Analyst	Lab Number	Result	Units	Sample	Spike	Spike Added	% Rec.	Comm
	2-13-91	CCU	52.1	ug/L	52.1				50.0/52.1/104%
	DLH	CCB			0.5				ND(10.0) ug/L
SL302		91010954	5.81	mg/kg	28.8	X2	r=.9996		1:2 DiL
		+1			41.2		12.5		1:2 DiL
		+2			55.4		25.0		1:2 DiL
		+3			79.9		50.0		1:2 DiL
		91010897			72.8		r=0.9910	Redo	1/2
		+1			77.2		12.5		
		+2			90.6		25.0		
		+3			109.7		50.0		
		91010904			102.1	—		Redo/2	Spk
		91010905			101.0	—		Redo/2	SpkDup
		CCU			52.6				50.0/52.6/105%
		CCB			0.6				ND(10.0) ug/L
SL302		91010897	7.94	mg/kg	36.4	=39.7441	r=.9995		1:2 DiL
		+1			46.7		12.5		"
		+2			59.5		25.0		"
		+3			81.4		50.0		"
SL302		91010904	40.0/39.2	98%	56.0	X=	39.20	inst spike	1:2 DiL Spk
SL302		91010905	98/88/11	RPD	54.0	X=	35.20	inst spike	1:2 DiL SpkD
		CCU	51.8	ug/L	51.8				50.0/51.8/104%
		CCB			0.4				ND(10.0) ug/L
		91010910	ND(10.0)	ug/L	0.7	17.8	20.0	89	PB
		91010911	50.0/46.1	92%	46.1	63.0	↑	85	LCS
		91010958	ND(10.0)	ug/L	0.7	17.8	↓	89	PB
		91010959	50.0/46.1	92%	46.1	63.0	20.0	85	LCS
		91010908	40.0/39.2	98%	56.0	91.01 X=	39.20	inst spike	Spk
		91010909	98/88/11	RPD	54.0	0.954 X=	35.20	inst spike	SpkDup
		91010956	40.0/42.3	106%	50.6 =	21.1696 X2	=42.3392	1:2 DiL	Spk
		91010957	106/125/16	RPD	41.4 X2	=25.0000 X2	=50.0000	1:2 DiL	SpkDup
		CCU	52.1	ug/L	52.1				50.0/52.1/104%
		CCB			0.5				ND(10.0) ug/L

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Witnessed & Understood by me. Date

Invented by

Recorded by Felizza Henderson

Date 2-13-91

Perkin Elmer
5100
Peggy Henderson

Element File: As-u
Date: 2/07/91
Data Storage File: FB25912
Technique: HGA
Element: As
Time: 20:32
ID/Weight File: FB25912
Calibration Type: Nonlinear
Remark 1: Remark 1: ICV = ICV-2 = 47.0 ug/L
Remark 2: Remark 2: CCV = 50.0 ug/L (Inorganic Ventures)
Remark 3: Remark 3: Background Correction = BZ

Sample ID: Blank Sequence No.: 00034 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.010

Mean Pk Area (A-s): 0.010 SD: 0.0010 RSD(%): 9.3

Auto-zero performed

Sample ID: Standard 1 Sequence No.: 00035 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.051
Blank Corrected Pk Area (A-s): 0.050

Mean Pk Area (A-s): 0.050 SD: 0.0007 RSD(%): 1.5

Standard number 1 applied. [10.0]

Sample ID: Standard 2 Sequence No.: 00036 Sampler Position: 39

Concentration (ug/L): 43.2
Concentration (ug/L): 44.1

Mean Conc (ug/L): 43.6 SD: 0.68 RSD(%): 1.6

Standard number 2 applied [40.0]

Sample ID: Standard 3 Sequence No.: 00037 Sampler Position: 39

Concentration (ug/L): 55.9
Concentration (ug/L): 57.8

Mean Conc (ug/L): 56.8 SD: 1.34 RSD(%): 2.4

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 3 applied. [60.0]

Sample ID: Standard 4 Sequence No.: 00038 Sampler Position: 39

Concentration (ug/L): 97.4
Concentration (ug/L): 99.2

Mean Conc (ug/L): 98.3 SD: 1.27 RSD(%): 1.4

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 4 applied. [100.0]

Sample ID: Blank Sequence No.: 00039 Sampler Position: 40

Concentration (ug/L): 1.4
Concentration (ug/L): 1.6

Mean Conc (ug/L): 1.5 SD: 0.14 RSD(%): 9.1

Auto-zero performed.

Sample ID: ICV Sequence No.: 00040 Sampler Position: 1

Concentration (ug/L): 46.8
Concentration (ug/L): 49.8

Mean Conc (ug/L): 48.3 SD: 2.08 RSD(%): 4.3

Sample ID: ICB Sequence No.: 00041 Sampler Position: 2

Concentration (ug/L): -3.9
Concentration (ug/L): -5.0

Mean Conc (ug/L): -4.5 SD: 0.78 RSD(%): 17.4

Sample ID: CRA Sequence No.: 00042 Sampler Position: 3

Concentration (ug/L): 6.4
Concentration (ug/L): 5.5

Mean Conc (ug/L): 6.0 SD: 0.61 RSD(%): 10.3

Sample ID: 91010889 br i 15 Sequence No.: 00043 Sampler Position: 4

Concentration (ug/L): 11.0
Concentration (ug/L): 9.0

Mean Conc (ug/L): 10.0 SD: 1.40 RSD(%): 14.0

Sample ID: - Sequence No.: 00044 Sampler Position: 5

Concentration (ug/L): 31.0
Concentration (ug/L): 28.7

Mean Conc (ug/L): 29.9 SD: 1.62 RSD(%): 5.4

Sample ID: 8890 15 Sequence No.: 00045 Sampler Position: 6

Concentration (ug/L): 1.8
Concentration (ug/L): 4.1

Mean Conc (ug/L) 3.0 SD: 1.65 RSD(%): 55.7

Sample ID: + Sequence No.: 00046 Sampler Position: 7

Concentration (ug/L): 20.3
Concentration (ug/L): 21.0

Mean Conc (ug/L): 20.6 SD: 0.50 RSD(%) 2.4

Sample ID: 0091 15 Sequence No.: 00047 Sampler Position: 8

Concentration (ug/L): 5.5
Concentration (ug/L): 8.0

Mean Conc (ug/L) 6.8 SD 1.77 RSD(%): 26.1

Sample ID + Sequence No.: 00048 Sampler Position: 9

Concentration (ug/L) 25.2
Concentration (ug/L) 27.6

Mean Conc (ug/L): 26.4 SD: 1.70 RSD(%): 6.5

Sample ID: 0093 15 Sequence No.: 00049 Sampler Position: 10

Concentration (ug/L): 12.1
Concentration (ug/L): 12.6

Mean Conc (ug/L): 12.3 SD: 0.37 RSD(%): 3.0

Sample ID: + Sequence No.: 00050 Sampler Position: 11

Concentration (ug/L): 28.9
Concentration (ug/L) 29.4

Mean Conc (ug/L) 29.1 SD: 0.32 RSD(%): 1.1

Sample ID: CCV Sequence No.: 00051 Sampler Position: 12

Concentration (ug/L) 49.9
Concentration (ug/L) 49.2

Mean Conc (ug/L) 49.5 SD: 0.49 RSD(%): 1.0

Sample ID CCCB Sequence No.: 00052 Sampler Position: 13

Concentration (ug/L): 8.2
Concentration (ug/L) 6.8

Mean Conc (ug/L) 7.5 SD 0.94 RSD(%) 12.4

Sample ID: 0896/5 Sequence No.: 00053 Sampler Position: 14

Concentration (ug/L): 14.7
Concentration (ug/L): 15.7

Mean Conc (ug/L): 15.2 SD: 0.71 RSD(%): 4.7

Sample ID: + Sequence No: 00054 Sampler Position: 15

Concentration (ug/L): 32.9
Concentration (ug/L): 32.7

Mean Conc (ug/L): 32.8 SD: 0.11 RSD(%): 0.3

Sample ID 0897/5 Sequence No: 00055 Sampler Position: 16

Concentration (ug/L): -2.5
Concentration (ug/L): -1.7

Mean Conc (ug/L): -2.1 SD: 0.63 RSD(%): 30.0

Sample ID: + Sequence No: 00056 Sampler Position: 17

Concentration (ug/L): 14.8
Concentration (ug/L): 15.3

Mean Conc (ug/L): 15.0 SD: 0.35 RSD(%): 2.3

Sample ID: ~~0898~~ 904 Spk/5 Sequence No.: 00057 Sampler Position: 18

Concentration (ug/L): 17.4
Concentration (ug/L): 16.9

Mean Conc (ug/L): 17.1 SD: 0.40 RSD(%): 2.3

Sample ID. - 905 Spk 0/5 Sequence No: 00058 Sampler Position: 19

Concentration (ug/L): 7.2
Concentration (ug/L): 4.3

Mean Conc (ug/L): 5.9 SD: 1.93 RSD(%): 32.8

Sample ID ~~0899~~ CCV Sequence No: 00059 Sampler Position: 20

Concentration (ug/L): 50.0
Concentration (ug/L): 49.8

Mean Conc (ug/L): 49.9 SD: 0.23 RSD(%): 0.4

Sample ID: CCB Sequence No: 00060 Sampler Position: 21

Concentration (ug/L): -4.2

Concentration (ug/L) -3.6

Mean Conc (ug/L) -3.9 SD: 0.46 RSD(%): 11.9

Perkin Elmer 5100
Peggy Henderson

Multielement File: PB25912 Analyst: PLH
Date: 2/08/91 Time: 13:03
Data Storage File: PB25912 ID/Weight File: PB25912

Element File: As-c Element: As
Date: 2/08/91 Time: 13:06
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: Remark 1: ICV = ICV-2 = 47.0 ug/L
Remark 2: Remark 2: CCV = 50.0 ug/L (Inorganic Ventures)
Remark 3: Remark 3: Background Correction = BZ

Sample ID: Blank Sequence No: 00001 Sampler Position: 40

Blank Corrected Pk Area (A-s): -0.006
Blank Corrected Pk Area (A-s): -0.003

Mean Pk Area (A-s): -0.005 SD: 0.0022 RSD(%): 48.8

Auto-zero performed

Sample ID: Standard 1 Sequence No: 00002 Sampler Position: 39

Blank Corrected Pk Area (A-s): 0.051
Blank Corrected Pk Area (A-s): 0.049

Mean Pk Area (A-s): 0.050 SD: 0.0017 RSD(%): 3.4

Standard number 1 applied. [10.0]

Sample ID: Standard 2 Sequence No: 00003 Sampler Position: 39

Concentration (ug/L): 40.4
Concentration (ug/L): 39.7

Mean Conc (ug/L): 40.1 SD: 0.51 RSD(%): 1.3

Standard number 2 applied. [40.0]

Sample ID: Standard 3 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L): 60.9
Concentration (ug/L): 62.9

Mean Conc (ug/L): 61.9 SD: 1.36 RSD(%): 2.2

Standard number 3 applied. [60.0]

r = .99942

Sample ID: Standard 4 Sequence No.: 00005 Sampler Position: 39

The sample absorbance is beyond the range of the calibration function.

Concentration (ug/L): ---------
The sample absorbance is beyond the range of the calibration function.
Concentration (ug/L): ---------

The sample absorbance is beyond the range of the calibration function.
Mean Conc (ug/L): -------- SD: ---- RSD(%): ----

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 4 applied. [100.0]

Sample ID Blank Sequence No.: 00006 Sampler Position: 40

Concentration (ug/L): 0.8
Concentration (ug/L) 0.1

Mean Conc (ug/L) 0.4 SD 0.48 RSD(%): 112.0

Auto-zero performed

Sample ID: ICV Sequence No.: 00007 Sampler Position: 1

Concentration (ug/L): 51.3
Concentration (ug/L): 52.2

Mean Conc (ug/L) 51.8 SD 0.53 RSD(%): 1.0

Sample ID: ICB Sequence No.: 00008 Sampler Position: 2

Concentration (ug/L): 1.3
Concentration (ug/L): 0.4

Mean Conc (ug/L): 0.9 SD. 0.63 RSD(%): 74.2

Sample ID: CRA Sequence No.: 00009 Sampler Position. 3

Concentration (ug/L): 11.5
Concentration (ug/L) 11.3

Mean Conc (ug/L): 11.4 SD: 0.14 RSD(%): 1.3

Sample ID: 91010889 Dr 1 Sequence No.: 00010 Sampler Position: 4

Concentration (ug/L): 11.9
Concentration (ug/L): 11.6

Mean Conc (ug/L): 11.8 SD. 0.26 RSD(%): 2.2

Sample ID. - Sequence No.: 00011 Sampler Position. 5

Concentration (ug/L): 32.4
Concentration (ug/L) 32.6

Mean Conc (ug/L): 32.5 SD 0.30 RSD(%). 0.6

Sample ID: 0890 Sequence No.: 00012 Sampler Position: 6

Concentration (ug/L): 5.0
Concentration (ug/L): 6.0

Mean Conc (ug/L): 5.5 SD: 0.71 RSD(%): 13.0

Sample ID: + Sequence No.: 00013 Sampler Position: 7

Concentration (ug/L): 26.3
Concentration (ug/L): 25.9

Mean Conc (ug/L): 26.1 SD: 0.33 RSD(%): 1.3

Sample ID: 0891 Sequence No.: 00014 Sampler Position: 8

Concentration (ug/L): 11.4
Concentration (ug/L): 10.2

Mean Conc (ug/L): 10.8 SD: 0.86 RSD(%): 7.9

Sample ID: + Sequence No.: 00015 Sampler Position: 9

Concentration (ug/L): 32.1
Concentration (ug/L): 31.0

Mean Conc (ug/L): 31.6 SD: 0.79 RSD(%): 2.5

Sample ID: 0892 Sequence No.: 00016 Sampler Position: 10

Concentration (ug/L): 8.1
Concentration (ug/L): 7.9

Mean Conc (ug/L): 8.0 SD: 0.18 RSD(%): 2.3

Sample ID: + Sequence No.: 00017 Sampler Position: 11

Concentration (ug/L): 28.1
Concentration (ug/L): 28.2

Mean Conc (ug/L): 28.2 SD: 0.10 RSD(%): 0.4

Sample ID: CCV Sequence No.: 00018 Sampler Position: 12

Concentration (ug/L): 51.8
Concentration (ug/L): 53.2

Mean Conc (ug/L): 52.5 SD: 0.99 RSD(%): 1.9

Sample ID: CCCB Sequence No.: 00019 Sampler Position: 13

Concentration (ug/L): 0.8
Concentration (ug/L): -0.3

Mean Conc (ug/L): 0.3 SD: 0.75 RSD(%): 295.8

Sample ID: 0893 Sequence No.: 00020 Sampler Position: 14

Concentration (ug/L): 12.8
Concentration (ug/L): 12.5

Mean Conc (ug/L) 12.6 SD: 0.20 RSD(%): 1.6

Sample ID: - Sequence No.: 00021 Sampler Position: 15

Concentration (ug/L): 34.0
Concentration (ug/L): 33.9

Mean Conc (ug/L) 33.9 SD: 0.10 RSD(%): 0.3

Sample ID: 0894 Sequence No.: 00022 Sampler Position: 16

Concentration (ug/L): 16.9
Concentration (ug/L): 16.7

Mean Conc (ug/L): 16.7 SD: 0.04 RSD(%): 0.2

Sample ID: - Sequence No.: 00023 Sampler Position: 17

Concentration (ug/L): 38.8
Concentration (ug/L): 39.3

Mean Conc (ug/L): 39.0 SD: 0.30 RSD(%): 0.8

Sample ID: 0895 Sequence No.: 00024 Sampler Position: 18

Concentration (ug/L): 9.4
Concentration (ug/L): 9.4

Mean Conc (ug/L) 9.4 SD: 0.00 RSD(%): 0.0

Sample ID: - Sequence No.: 00025 Sampler Position: 19

Concentration (ug/L): 30.3
Concentration (ug/L): 30.8

Mean Conc (ug/L) 30.6 SD: 0.35 RSD(%) 1.2

Sample ID: 0896 Sequence No.: 00026 Sampler Position: 20

Concentration (ug/L): 17.4
Concentration (ug/L): 19.3

Mean Conc (ug/L): 18.4 SD: 1.33 RSD(%): 7.2

Sample ID: + Sequence No.: 00027 Sampler Position: 21

Concentration (ug/L): 37.2
Concentration (ug/L): 36.8

Mean Conc (ug/L): 37.0 SD: 0.26 RSD(%): 0.7

Sample ID: 0897 Sequence No.: 00028 Sampler Position: 22

Concentration (ug/L): 0.8
Concentration (ug/L): 2.3

Mean Conc (ug/L): 1.6 SD: 1.01 RSD(%): 64.7

Sample ID: + Sequence No.: 00029 Sampler Position: 23

Concentration (ug/L): 22.1
Concentration (ug/L): 22.9

Mean Conc (ug/L): 22.5 SD: 0.55 RSD(%): 2.5

Sample ID: ~~[illegible]~~ 91010904 SPK Sequence No.: 00030 Sampler Position: 24

Concentration (ug/L): 19.8
Concentration (ug/L): 21.7

Mean Conc (ug/L): 20.8 SD: 1.40 RSD(%): 6.8

Sample ID: ~~[illegible]~~ 91010905 SPKD-P Sequence No.: 00031 Sampler Position: 25

Concentration (ug/L): 8.8
Concentration (ug/L): 9.9

Mean Conc (ug/L): 8.9 SD: 0.10 RSD(%): 1.1

Sample ID: ~~[illegible]~~ CCV Sequence No.: 00032 Sampler Position: 26

Concentration (ug/L): 53.6
Concentration (ug/L): 54.0

Mean Conc (ug/L): 53.8 SD: 0.30 RSD(%): 0.6

Sample ID: ~~[illegible]~~ CCB Sequence No.: 00033 Sampler Position: 27

Concentration (ug/L): 0.1
Concentration (ug/L): 0.5

Mean Conc (ug/L): 0.3 SD: 0.29 RSD(%): 94.6

Sample ID: 0898 Sequence No.: 00034 Sampler Position: 28

Concentration (ug/L): 14.6
Concentration (ug/L): 13.5

Mean Conc (ug/L): 14.0 SD: 0.82 RSD(%): 5.8

Sample ID: + Sequence No.: 00035 Sampler Position: 29

Concentration (ug/L): 36.3
Concentration (ug/L): 36.4

Mean Conc (ug/L) 36.4 SD: 0.04 RSD(%): 0.1

Sample ID: 0899 Sequence No.: 00036 Sampler Position: 30

Concentration (ug/L): 22.9
Concentration (ug/L): 22.3

Mean Conc (ug/L) 22.6 SD: 0.44 RSD(%): 1.9

Sample ID: + Sequence No.: 00037 Sampler Position: 31

Concentration (ug/L): 42.9
Concentration (ug/L): 43.3

Mean Conc (ug/L) 43.1 SD: 0.24 RSD(%): 0.6

Sample ID: FB RD # 91010906 Sequence No.: 00038 Sampler Position: 32

Concentration (ug/L) 0.4
Concentration (ug/L): 1.2

Mean Conc (ug/L): 0.8 SD: 0.52 RSD(%): 64.6

Sample ID: + Sequence No.: 00039 Sampler Position: 33

Concentration (ug/L): 17.9
Concentration (ug/L): 16.7

Mean Conc (ug/L) 17.3 SD: 0.84 RSD(%): 4.8

Sample ID: LCS 91010907 Sequence No.: 00040 Sampler Position: 34

Concentration (ug/L) 41.2
Concentration (ug/L): 40.7

Mean Conc (ug/L) 41.0 SD: 0.30 RSD(%): 0.7

Sample ID: - Sequence No.: 00041 Sampler Position: 35

Concentration (ug/L): 56.9
Concentration (ug/L): 56.0

Mean Conc (ug/L): 56.4 SD: 0.64 RSD(%): 1.1

Sample ID: CCV Sequence No.: 00042 Sampler Position: 36

Concentration (ug/L): 29.9
Concentration (ug/L): 28.6

Mean Conc (ug/L): 29.3 Low SD: 0.90 RSD(%): 3.1

Sample ID: CCB Sequence No.: 00043 Sampler Position: 37

Concentration (ug/L): -0.6
Concentration (ug/L): 0.9

Mean Conc (ug/L): 0.1 SD: 1.07 RSD(%): 007.5

Peggy Henderson

Project No.

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Book No. 1382

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Test Code	Date Analyzed	Lab #	Results	Units	Meter Reading	Volume	ug Detected	Misc.
SL333	1-28-91	910108 79	1.00/0.89/	89%	5.2	100ml	0.8528	Spk
	PLA	910108 80	0.89/0.85/	5 RPD	5.4		0.8897	Spkdup
		910108 81	ND(0.2)	ug/L	0.7		0.0232	PB
		910108 82	1.00/1.09/	109%	6.5		1.0925	LCS
		910109 02	ND(0.2)	ug/L	0.7		0.0232	PB
		910109 03	1.00/1.09/	109%	6.5		1.0925	LCS
		910110 18	1.00/0.89/	89%	5.2		0.8528	Spk
		910110 19	0.89/0.85/	5 RPD	5.4		0.8897	Spkdup
		910110 20	ND(0.2)	ug/L	0.7		0.0232	PB
SL333		910110 21	1.00/1.09/	109%	6.5		1.0925	LCS
SL433		910100 23	ND(0.2)	ug/L	0.7		0.0232	
SL633		910103 07	ND(0.2)	ug/L	0.7		0.0232	PB
SL633		910103 08	1.00/1.09/	109%	6.5	100ml	1.0925	LCS
		CCU			6.5		1.0925	
		CCB			0.5		0.0232	
	2-4-91	Blank			0.5	100ml		
	PLA	0.5			3.5			
		1.0			6.5			
		3.0			20.0			
		5.0			31.0		r = 0.9992	
		ICU			0.9640			1.00/0.96/
		ICB			0.5	100ml		
SL333		910108 89	ND(1.0)	mg/kg	0.4	0.25g	0.0205	0.0820
		0889			0.6	0.26g	0.0118	0.0454
		0889			0.6	0.26g	0.0118	0.0454
		910108 90	ND(1.0)		0.6	0.22g	0.0118	0.0536
		0890			0.5	0.24g	0.0043	0.0179
		0890			0.5	0.24g	0.0043	0.0179
		910108 91	ND(1.0)		0.4	0.21g	0.0205	0.0976
		0891			0.4	0.22g	0.0205	0.0932
		0891			0.4	0.22g	0.0205	0.0932
SL333		910108 92	ND(1.0)	mg/kg	0.8	0.23g	0.0441	0.1917
		CCU			6.1	100ml	0.8994	1.00/0.90/90%
		CCB			0.8	100ml	0.0441	
SL333		910108 92		mg/kg	0.8	0.25g	0.0444	0.1764

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Witnessed & Understood by me, | Date | Invented by | Date 2-4-91

Recorded by

Project No.

TITLE Hg Book No. 1382

From Page No.

Test Code	Date Analyzed	Lab #	Results	Units	Meter Reading	Volume	Detected	Dilution
SL333	2-4-91	91010892			0.8	0.25gr	0.0441	0.1764
	PLH	91010893	ND(1.0)	mg/kg	0.4	0.24gr	0.0205	0.0853
		91010893			0.8	0.25gr	0.0441	0.1764
		91010893			0.8	0.30gr	0.0441	0.1470
		91010894	ND(1.0)		0.8	0.23	0.0441	0.1917
		91010894			0.8	0.28	0.0441	0.1575
		91010894			0.8	0.28	0.0441	0.1575
		91010895	ND(1.0)		0.6	0.21	0.0118	0.0563
SL333		91010895		mg/kg	0.4	0.27	0.0205	0.0758
		CCV	6.8	ug/L	6.8	100mL	1.0124	1.00/1.01/101%
		CCB	ND(0.2)	ug/L	0.4	100mL	0.0205	ND(0.2) ug/L
SL333		91010895		mg/kg	0.4	0.28	0.0205	0.0731
		91010896	ND(1.0)		0.4	0.22	0.0205	0.0930
		91010896			0.4	0.22	0.0205	0.0930
		91010896			0.4	0.26	0.0205	0.0788
		91010897	ND(1.0)		0.4	0.24	0.0205	0.0854
		91010897			0.4	0.27	0.0205	0.0759
		91010897			0.6	0.26	0.0118	0.0454
		91010898	ND(1.0)		0.6	0.21	0.0118	0.0563
		91010898			0.6	0.24	0.0118	0.0492
SL333		91010898		mg/kg	1.0	0.29	0.0764	0.2633
		CCV	6.2	ug/L	6.2	100mL	0.9156	1.00/0.92/92%
		CCB	ND(0.2)	ug/L	0.4	100mL	0.0205	ND(0.2) ug/L
SL333		91010899	ND(1.0)	mg/kg	0.9	0.22	0.0602	0.2738
		91010899			0.6	0.27	0.0118	0.0438
		91010899			1.0	0.28	0.0764	0.2729
		91010904	1.00/0.95/95%		6.4	0.22	0.9478	Spk
		91010905	0.95/0.88/1 RPD		6.0	0.24	0.8833	Spk dup
		91010908	1.00/0.95/95%		6.4	0.22	0.9478	Spk
		91010909	0.95/0.88/1 RPD		6.0	0.24	0.8833	Spk dup
		91010906	ND(0.2)	ug/L	0.6	100mL	0.0118	PB
SL333	91010906	91010~~907~~	1.00/1.04/104%	ug/L	7.0	100mL	1.0447	LCS
		91020023	ND(0.2)	ug/L	0.4	100mL	0.0205	QA
		CCV	6.4	ug/L	6.4	100mL	0.9478	1.00/0.95/95%
		CCB	ND(0.2)	ug/L	0.5	100mL	0.0043	To Page No.

Witnessed & Understood by me, | Date | Invented by | Date 2-4-91

Recorded by Hugh Henderson

1409-1

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/13 Time: 13:52
Date of Report: 91/02/13 Time: 15:24

		Ba I SL303 ug/l	
WP686		5638	
ICAP7		1025	
ICB		ND(100)	
CRI		400	
INTWO		ND(100)	
INTW		171	
91010902	FBwBLH	ND(100)	
91010903	LCSw	2000/1890/94%	
91010884	3	ND(100)	
91010885	3	ND(100)	
91010900	S	2000/1860/93%	calc
91010901	DS	1835	93/92/~~108~~ 1 RPD
91010885	L	ND(100)	
CCV		5175	
CCB		ND(100)	
91010886	3	ND(100)	
91010887	3	ND(100)	
91010888	3	ND(100)	
91010906	PBsRDJ	ND(10.0)	MG/KG
91010907	LCSs	2000/1830/92%	
91010889	3s	53.3	MG/KG
91010890	3s	54.4	
91010891	3s	85.3	
91010892	3s	48.7	
91010893	3s	71.8	
CCV		5322	
CCB		ND(100)	
91010894	3s	38.1	MG/KG
91010895	3s	149	
91010896	3s	30.7	
91010897	3s	60.3	
91010904	Ss	2699	2000/2100/105%
91010905	DSs	2743	105/107/2 RPD
91010897	L	ND(100)	
91010898	3s	41.4	MG/KG
91010899	3s	17.0	
CCV		5313	
CCB		ND(100)	
91010910/958	PBs	ND(10.0)	91010958
91010911/959	LCS	2000/1960/98%	
91010954	3s	167	calc MG/KG
91010908/956	Ss	3371	2000/1700/85% 91010956
91010909/957	DSdoublespike	5504	85/96/12 RPD 91010957
91010954	L	185	
CRI		417	
INTWO		ND(100)	
INTW		173	

CA Lawrence 2-13-91

(cont.)	Ba I
	SL 03 ug/l
CCV	5244
CCB	ND(100)
91010954 f	1433
91010954 Sf	2420
91010954 DSf	1621

1409-3

Run Auto Mode 91/02/13 13:52

Method Name: Replicates: 2 Read Delay: 50
Print Format: All Data ID Name: ecol Data Name: ecolba
Remarks:

Ba I Ba I

Element Name Ba I Gain 521
Element Name Ba I Gain 517

Standard 1 Replicate 1

Ba I EM 112204
Ba I EM 105998

Standard 1 Replicate 2

Ba I EM 111271
Ba I EM 105301

Ba I	AV	111738	SD	658.2	CV	0.5	CONC	10000	SL	03	ug
Ba I	AV	105650	SD	492.0	CV	0.4	CONC	10000	SL	03	ug

Blank Replicate 1

Ba I EM 108
Ba I EM 120

Blank Replicate 2

Ba I EM 96
Ba I EM 76

Ba I	AV	102	SD	8.4	CV	8.3	CONC	0	SL	03	ug
Ba I	AV	98	SD	31.1	CV	31.7	CONC	0	SL	03	ug

ICAP19 Replicate 1

Ba I 5583 SL 03 ug/l
Ba I 5694 SL 03 ug/l

ICAP19 Replicate 2

Ba I 5692 SL 03 ug/l
Ba I 5637 SL 03 ug/l

Ba I	AV	5638 SL 03 ug/l	SD	77.0	CV	1.3
Ba I	AV	5666 SL 03 ug/l	SD	40.5	CV	0.7

ICAP7 Replicate 1

Ba I			1027	SL 03	ug/l			
Ba I			1032	SL 03	ug/l			

ICAP7 Replicate 2

Ba I			1022	SL 03	ug/l			
Ba I			1014	SL 03	ug/l			
Ba I	AV	1025	SL 03	ug/l	SD	3.2	CV	0.3
Ba I	AV	1023	SL 03	ug/l	SD	12.9	CV	1.2

ICB Replicate 1

Ba I			-4	SL 03	ug/l			
Ba I			-1	SL 03	ug/l			

ICB Replicate 2

Ba I			-8	SL 03	ug/l	Peak Offset		
Ba I			-2	SL 03	ug/l			
Ba I	AV	-6	SL 03	ug/l	SD	2.7	CV	45.0
Ba I	AV	-1	SL 03	ug/l	SD	0.6	CV	41.5

CRI Replicate 1

Ba I			398	SL 03	ug/l			
Ba I			395	SL 03	ug/l			

CRI Replicate 2

Ba I			403	SL 03	ug/l			
Ba I			396	SL 03	ug/l			
Ba I	AV	400	SL 03	ug/l	SD	3.6	CV	0.9
Ba I	AV	395	SL 03	ug/l	SD	0.5	CV	0.1

INTWO Replicate 1

Ba I			-23	SL 03	ug/l			
Ba I			-27	SL 03	ug/l			

INTWO Replicate 2

Ba I			-25	SL 03	ug/l			
Ba I			-20	SL 03	ug/l			
Ba I	AV	-24	SL 03	ug/l	SD	1.3	CV	5.6
Ba I	AV	-24	SL 03	ug/l	SD	5.0	CV	21.0

INTW Replicate 1

Ba I	172	SL 03	ug/l		
Ba I	174	SL 03	ug/l		

INTW Replicate 2

Ba I	170	SL 03	ug/l		
Ba I	174	SL 03	ug/l		

Ba I	AV	171 SL 03 ug/l	SD	1.7	CV	0.9
Ba I	AV	174 SL 03 ug/l	SD	0.0	CV	0.0

91010902 PBwBL Replicate 1

Ba I	-1	SL 03	ug/l	
Ba I	-9	SL 03	ug/l	Peak Offset

91010902 PBwBL Replicate 2

Ba I	-3	SL 03	ug/l		
Ba I	2	SL 03	ug/l		

Ba I	AV	-2 SL 03 ug/l	SD	1.8	CV	71.9
Ba I	AV	-3 SL 03 ug/l	SD	8.6	CV	264.3

91010903 LCSw Replicate 1

Ba I	1891	SL 03	ug/l		
Ba I	1879	SL 03	ug/l		

91010903 LCSw Replicate 2

Ba I	1891	SL 03	ug/l		
Ba I	1903	SL 03	ug/l		

Ba I	AV	1891 SL 03 ug/l	SD	0.6	CV	0.0
Ba I	AV	1891 SL 03 ug/l	SD	17.5	CV	0.9

91010884 3 Replicate 1

Ba I	34	SL 03	ug/l		
Ba I	30	SL 03	ug/l		

91010884 3 Replicate 2

Ba I	29	SL 03	ug/l		
Ba I	37	SL 03	ug/l		

Ba I	AV	31 SL 03 ug/l	SD	4.0	CV	12.6
Ba I	AV	34 SL 03 ug/l	SD	4.6	CV	13.7

91010885 3 Replicate 1

Ba I			57	SL 03	ug/l
Ba I			59	SL 03	ug/l

91010885 3 Replicate 2

Ba I			55	SL 03	ug/l
Ba I			57	SL 03	ug/l

Ba I	AV	56	SL 03	ug/l	SD	1.4	CV	2.5
Ba I	AV	58	SL 03	ug/l	SD	1.6	CV	2.8

91010900 S Replicate 1

Ba I			1859	SL 03	ug/l
Ba I			1877	SL 03	ug/l

91010900 S Replicate 2

Ba I			1853	SL 03	ug/l
Ba I			1863	SL 03	ug/l

Ba I	AV	1856	SL 03	ug/l	SD	3.9	CV	0.2
Ba I	AV	1870	SL 03	ug/l	SD	9.7	CV	0.5

91010901 DS Replicate 1

Ba I			1842	SL 03	ug/l
Ba I			1864	SL 03	ug/l

91010901 DS Replicate 2

Ba I			1829	SL 03	ug/l
Ba I			1860	SL 03	ug/l

Ba I	AV	1835	SL 03	ug/l	SD	8.8	CV	0.4
Ba I	AV	1862	SL 03	ug/l	SD	2.4	CV	0.1

91010885 L Replicate 1

Ba I			-2	SL 03	ug/l
Ba I			2	SL 03	ug/l

91010885 L Replicate 2

Ba I			-1	SL 03	ug/l
Ba I			2	SL 03	ug/l

Ba I	AV	-2	SL 03	ug/l	SD	0.8	CV	36.0
Ba I	AV	2	SL 03	ug/l	SD	0.3	CV	14.4

CCV Replicate 1

	Ba I			5208	SL 03	ug/l			
	Ba I			5159	SL 03	ug/l			

CCV Replicate 2

	Ba I			5141	SL 03	ug/l			
	Ba I			5186	SL 03	ug/l			
Ba I		AV	5175	SL 03	ug/l	SD	47.5	CV	0.9
Ba I		AV	5172	SL 03	ug/l	SD	19.5	CV	0.3

CCB Replicate 1

	Ba I			-10	SL 03	ug/l	Peak Offset		
	Ba I			-9	SL 03	ug/l	Peak Offset		

CCB Replicate 2

	Ba I			-5	SL 03	ug/l			
	Ba I			-7	SL 03	ug/l			
Ba I		AV	-7	SL 03	ug/l	SD	3.3	CV	42.8
Ba I		AV	-8	SL 03	ug/l	SD	1.6	CV	19.2

91010886 3 Replicate 1

	Ba I			72	SL 03	ug/l			
	Ba I			74	SL 03	ug/l			

91010886 3 Replicate 2

	Ba I			71	SL 03	ug/l			
	Ba I			74	SL 03	ug/l			
Ba I		AV	71	SL 03	ug/l	SD	1.1	CV	1.5
Ba I		AV	74	SL 03	ug/l	SD	0.2	CV	0.3

91010887 3 Replicate 1

	Ba I			83	SL 03	ug/l			
	Ba I			84	SL 03	ug/l			

91010887 3 Replicate 2

	Ba I			81	SL 03	ug/l			
	Ba I			88	SL 03	ug/l			
Ba I		AV	82	SL 03	ug/l	SD	1.7	CV	2.1
Ba I		AV	86	SL 03	ug/l	SD	2.6	CV	3.0

91010888 3 Replicate 1

Ba I			14	SL 03	ug/l		
Ba I			18	SL 03	ug/l		

91010888 3 Replicate 2

Ba I			12	SL 03	ug/l		
Ba I			12	SL 03	ug/l		
Ba I	AV	13	SL 03	ug/l	SD	1.3	CV 10.6
Ba I	AV	15	SL 03	ug/l	SD	3.8	CV 24.8

91010906 PBsRD Replicate 1

Ba I			-1	SL 03	ug/l		
Ba I			-13	SL 03	ug/l	Peak Offset	

91010906 PBsRD Replicate 2

Ba I			-6	SL 03	ug/l		
Ba I			-4	SL 03	ug/l		
Ba I	AV	-3	SL 03	ug/l	SD	3.2	CV 83.5
Ba I	AV	-8	SL 03	ug/l	SD	6.4	CV 72.5

91010907 LCSs Replicate 1

Ba I			1846	SL 03	ug/l		
Ba I			1840	SL 03	ug/l		

91010907 LCSs Replicate 2

Ba I			1814	SL 03	ug/l		
Ba I			1852	SL 03	ug/l		
Ba I	AV	1830	SL 03	ug/l	SD	22.3	CV 1.2
Ba I	AV	1846	SL 03	ug/l	SD	8.3	CV 0.4

91010889 3s Replicate 1

Ba I			534	SL 03	ug/l		
Ba I			535	SL 03	ug/l		

91010889 3s Replicate 2

Ba I			532	SL 03	ug/l		
Ba I			531	SL 03	ug/l		
Ba I	AV	533	SL 03	ug/l	SD	1.1	CV 0.2
Ba I	AV	533	SL 03	ug/l	SD	2.3	CV 0.4

91010890 3s Replicate 1

	Ba I			546	SL 03	ug/l			
	Ba I			530	SL 03	ug/l			

91010890 3s Replicate 2

	Ba I			542	SL 03	ug/l			
	Ba I			546	SL 03	ug/l			
Ba I		AV	544	SL 03	ug/l	SD	2.9	CV	0.5
Ba I		AV	538	SL 03	ug/l	SD	10.7	CV	1.9

91010891 3s Replicate 1

	Ba I			854	SL 03	ug/l			
	Ba I			860	SL 03	ug/l			

91010891 3s Replicate 2

	Ba I			852	SL 03	ug/l			
	Ba I			857	SL 03	ug/l			
Ba I		AV	853	SL 03	ug/l	SD	1.3	CV	0.1
Ba I		AV	858	SL 03	ug/l	SD	2.1	CV	0.2

91010892 3s Replicate 1

	Ba I			494	SL 03	ug/l			
	Ba I			491	SL 03	ug/l			

91010892 3s Replicate 2

	Ba I			481	SL 03	ug/l			
	Ba I			485	SL 03	ug/l			
Ba I		AV	487	SL 03	ug/l	SD	8.8	CV	1.8
Ba I		AV	488	SL 03	ug/l	SD	4.3	CV	0.8

91010893 3s Replicate 1

	Ba I			721	SL 03	ug/l			
	Ba I			711	SL 03	ug/l			

91010893 3s Replicate 2

	Ba I			714	SL 03	ug/l			
	Ba I			706	SL 03	ug/l			
Ba I		AV	718	SL 03	ug/l	SD	5.1	CV	0.7
Ba I		AV	709	SL 03	ug/l	SD	3.6	CV	0.5

CCV Replicate 1

	Ba I			5317	SL 03	ug/l			
	Ba I			5366	SL 03	ug/l			

CCV Replicate 2

	Ba I			5327	SL 03	ug/l			
	Ba I			5334	SL 03	ug/l			
Ba I		AV	5322	SL 03	ug/l	SD	7.0	CV	0.1
Ba I		AV	5350	SL 03	ug/l	SD	22.8	CV	0.4

CCB Replicate 1

	Ba I			-12	SL 03	ug/l	Peak Offset		
	Ba I			-8	SL 03	ug/l			

CCB Replicate 2

	Ba I			-3	SL 03	ug/l			
	Ba I			-3	SL 03	ug/l			
Ba I		AV	-8	SL 03	ug/l	SD	6.6	CV	-80.2
Ba I		AV	-5	SL 03	ug/l	SD	3.2	CV	55.4

91010894 3s Replicate 1

	Ba I			382	SL 03	ug/l			
	Ba I			382	SL 03	ug/l			

91010894 3s Replicate 2

	Ba I			380	SL 03	ug/l			
	Ba I			381	SL 03	ug/l			
Ba I		AV	381	SL 03	ug/l	SD	1.3	CV	0.3
Ba I		AV	381	SL 03	ug/l	SD	0.7	CV	0.1

91010895 3s Replicate 1

	Ba I			1486	SL 03	ug/l			
	Ba I			1493	SL 03	ug/l			

91010895 3s Replicate 2

	Ba I			1498	SL 03	ug/l			
	Ba I			1498	SL 03	ug/l			
Ba I		AV	1492	SL 03	ug/l	SD	8.6	CV	0.5
Ba I		AV	1495	SL 03	ug/l	SD	3.6	CV	0.2

91010896 3s Replicate 1

Ba I		310	SL 03	ug/l	
Ba I		313	SL 03	ug/l	

91010896 3s Replicate 2

Ba I		304	SL 03	ug/l	
Ba I		303	SL 03	ug/l	
Ba I	AV	307	SL 03	ug/l	SD 4.3 CV 1.4
Ba I	AV	308	SL 03	ug/l	SD 6.7 CV 2.1

91010897 3s Replicate 1

Ba I		595	SL 03	ug/l	
Ba I		613	SL 03	ug/l	

91010897 3s Replicate 2

Ba I		610	SL 03	ug/l	
Ba I		616	SL 03	ug/l	
Ba I	AV	603	SL 03	ug/l	SD 10.7 CV 1.7
Ba I	AV	614	SL 03	ug/l	SD 2.4 CV 0.4

91010904 Ss Replicate 1

Ba I		2733	SL 03	ug/l	
Ba I		2715	SL 03	ug/l	

91010904 Ss Replicate 2

Ba I		2666	SL 03	ug/l	
Ba I		2702	SL 03	ug/l	
Ba I	AV	2699	SL 03	ug/l	SD 47.8 CV 1.7
Ba I	AV	2708	SL 03	ug/l	SD 8.9 CV 0.3

91010905 DSs Replicate 1

Ba I		2718	SL 03	ug/l	
Ba I		2706	SL 03	ug/l	

91010905 DSs Replicate 2

Ba I		2767	SL 03	ug/l	
Ba I		2723	SL 03	ug/l	
Ba I	AV	2743	SL 03	ug/l	SD 34.7 CV 1.2
Ba I	AV	2714	SL 03	ug/l	SD 11.9 CV 0.4

91010897 L Replicate 1

Ba I			74	SL 03	ug/l		
Ba I			65	SL 03	ug/l		

91010897 L Replicate 2

Ba I			62	SL 03	ug/l		
Ba I			69	SL 03	ug/l		
Ba I	AV	68	SL 03	ug/l	SD	8.5	CV 12.4
Ba I	AV	67	SL 03	ug/l	SD	2.8	CV 4.2

91010898 3s Replicate 1

Ba I			418	SL 03	ug/l		
Ba I			412	SL 03	ug/l		

91010898 3s Replicate 2

Ba I			411	SL 03	ug/l		
Ba I			406	SL 03	ug/l		
Ba I	AV	414	SL 03	ug/l	SD	5.3	CV 1.2
Ba I	AV	409	SL 03	ug/l	SD	3.9	CV 0.9

91010899 3s Replicate 1

Ba I			171	SL 03	ug/l		
Ba I			174	SL 03	ug/l		

91010899 3s Replicate 2

Ba I			170	SL 03	ug/l		
Ba I			169	SL 03	ug/l		
Ba I	AV	170	SL 03	ug/l	SD	1.0	CV 0.6
Ba I	AV	171	SL 03	ug/l	SD	3.4	CV 2.0

CCV Replicate 1

Ba I			5318	SL 03	ug/l		
Ba I			5418	SL 03	ug/l		

CCV Replicate 2

Ba I			5308	SL 03	ug/l		
Ba I			5311	SL 03	ug/l		
Ba I	AV	5313	SL 03	ug/l	SD	6.4	CV 0.1
Ba I	AV	5365	SL 03	ug/l	SD	75.5	CV 1.4

CCB Replicate 1

Ba I		-4 SL 03 ug/l			Peak Offset
Ba I		-4 SL 03 ug/l			

CCB Replicate 2

Ba I		-6 SL 03 ug/l			
Ba I		-1 SL 03 ug/l			
Ba I	AV	-5 SL 03 ug/l	SD	1.2	CV 20.8
Ba I	AV	-3 SL 03 ug/l	SD	1.9	CV 57.7

91010910/958PB Replicate 1

Ba I		-2 SL 03 ug/l			
Ba I		-6 SL 03 ug/l			

91010910/958PB Replicate 2

Ba I		-5 SL 03 ug/l			
Ba I		-1 SL 03 ug/l			
Ba I	AV	-4 SL 03 ug/l	SD	2.1	CV 49.0
Ba I	AV	-4 SL 03 ug/l	SD	3.2	CV 76.1

91010911/959LC Replicate 1

Ba I		1945 SL 03 ug/l			
Ba I		1956 SL 03 ug/l			

91010911/959LC Replicate 2

Ba I		1977 SL 03 ug/l			
Ba I		1974 SL 03 ug/l			
Ba I	AV	1961 SL 03 ug/l	SD	22.9	CV 1.1
Ba I	AV	1965 SL 03 ug/l	SD	13.2	CV 0.6

91010954 3s Replicate 1

Ba I		1667 SL 03 ug/l			
Ba I		1656 SL 03 ug/l			

91010954 3s Replicate 2

Ba I		1678 SL 03 ug/l			
Ba I		1676 SL 03 ug/l			
Ba I	AV	1672 SL 03 ug/l	SD	7.6	CV 0.4
Ba I	AV	1666 SL 03 ug/l	SD	13.7	CV 0.8

91010908/956 S Replicate 1

	Ba I			3382	SL 03	ug/l			
	Ba I			3346	SL 03	ug/l			
Ba I		AV	3371	SL 03	ug/l	SD	15.6	CV	0.4
Ba I		AV	3339	SL 03	ug/l	SD	10.2	CV	0.3

91010908/956 S Replicate 2

	Ba I			3360	SL 03	ug/l			
	Ba I			3332	SL 03	ug/l			
Ba I		AV	3371	SL 03	ug/l	SD	15.6	CV	0.4
Ba I		AV	3339	SL 03	ug/l	SD	10.2	CV	0.3

91010909/957 D Replicate 1

	Ba I			5505	SL 03	ug/l			
	Ba I			5515	SL 03	ug/l			
Ba I		AV	5504	SL 03	ug/l	SD	1.0	CV	0.0
Ba I		AV	5518	SL 03	ug/l	SD	4.0	CV	0.0

91010909/957 D Replicate 2

	Ba I			5504	SL 03	ug/l			
	Ba I			5522	SL 03	ug/l			
Ba I		AV	5504	SL 03	ug/l	SD	1.0	CV	0.0
Ba I		AV	5518	SL 03	ug/l	SD	4.0	CV	0.0

91010954 L Replicate 1

	Ba I			189	SL 03	ug/l			
	Ba I			181	SL 03	ug/l			
Ba I		AV	185	SL 03	ug/l	SD	6.1	CV	3.3
Ba I		AV	180	SL 03	ug/l	SD	0.8	CV	0.4

91010954 L Replicate 2

	Ba I			180	SL 03	ug/l			
	Ba I			180	SL 03	ug/l			
Ba I		AV	185	SL 03	ug/l	SD	6.1	CV	3.3
Ba I		AV	180	SL 03	ug/l	SD	0.8	CV	0.4

CRI Replicate 1

	Ba I			417	SL 03	ug/l			
	Ba I			418	SL 03	ug/l			
Ba I		AV	417	SL 03	ug/l	SD	0.2	CV	0.0
Ba I		AV	421	SL 03	ug/l	SD	4.0	CV	0.9

CRI Replicate 2

	Ba I			417	SL 03	ug/l			
	Ba I			423	SL 03	ug/l			
Ba I		AV	417	SL 03	ug/l	SD	0.2	CV	0.0
Ba I		AV	421	SL 03	ug/l	SD	4.0	CV	0.9

INTWO Replicate 1

Ba I -21 SL 03 ug/l
Ba I -21 SL 03 ug/l

INTWO Replicate 2

Ba I -23 SL 03 ug/l
Ba I -30 SL 03 ug/l

Ba I	AV	-22 SL 03 ug/l	SD	1.5	CV	7.0
Ba I	AV	-25 SL 03 ug/l	SD	6.5	CV	25.4

INTW Replicate 1

Ba I 167 SL 03 ug/l
Ba I 173 SL 03 ug/l

INTW Replicate 2

Ba I 179 SL 03 ug/l
Ba I 173 SL 03 ug/l

Ba I	AV	173 SL 03 ug/l	SD	8.9	CV	5.1
Ba I	AV	173 SL 03 ug/l	SD	0.2	CV	0.1

CCV Replicate 1

Ba I 5239 SL 03 ug/l
Ba I 5199 SL 03 ug/l

CCV Replicate 2

Ba I 5249 SL 03 ug/l
Ba I 5307 SL 03 ug/l

Ba I	AV	5244 SL 03 ug/l	SD	6.5	CV	0.1
Ba I	AV	5253 SL 03 ug/l	SD	76.2	CV	1.4

CCB Replicate 1

Ba I -11 SL 03 ug/lPeak Offset
Ba I -6 SL 03 ug/l

CCB Replicate 2

Ba I -2 SL 03 ug/l
Ba I -1 SL 03 ug/l

Ba I	AV	-7 SL 03 ug/l	SD	6.0	CV	84.4
Ba I	AV	-3 SL 03 ug/l	SD	3.6	CV	93.7

Sample 50 Replicate 1

Ba I	1412 SL 03	ug/l
Ba I	1424 SL 03	ug/l

Sample 50 Replicate 2

Ba I	1453 SL 03	ug/l
Ba I	1443 SL 03	ug/l

Ba I	AV	1433 SL 03	ug/l	SD	28.8	CV	2.0
Ba I	AV	1434 SL 03	ug/l	SD	12.9	CV	0.9

Sample 51 Replicate 1

Ba I	2435 SL 03	ug/l
Ba I	2411 SL 03	ug/l

Sample 51 Replicate 2

Ba I	2405 SL 03	ug/l
Ba I	2440 SL 03	ug/l

Ba I	AV	2420 SL 03	ug/l	SD	21.2	CV	0.8
Ba I	AV	2426 SL 03	ug/l	SD	20.5	CV	0.8

Sample 52 Replicate 1

Ba I	1630 SL 03	ug/l
Ba I	1606 SL 03	ug/l

Sample 52 Replicate 2

Ba I	1611 SL 03	ug/l
Ba I	1595 SL 03	ug/l

Ba I	AV	1621 SL 03	ug/l	SD	12.9	CV	0.8
Ba I	AV	1600 SL 03	ug/l	SD	7.7	CV	0.4

1409-86

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/18 Time: 02:1
Date of Report: 91/02/18 Time: 03:4

	Ag I SL353 ug/l	Ag I SL353 ug/l	
ICV ICAP	975	1001	
ICB	ND(10)	ND(10)	
CRI	17	20	
INTWO	ND(10)	ND(10)	
INTW	393	399	
91010772 PB BLH	ND(10)	ND(10)	91010881 / 91011020
91010773 LCS	50 / 38/76%	36	91010882 / 91011021
91010768 3	ND(10)	ND(10)	
91010769/2 3	ND(20)	ND(10)	
91010885 3	ND(10)	ND(10)	
91010885 S	35	50/47/94%	91010770 91010879 91011015
91010885 DS	46	~~50/46/~~ 94/90/4RPD	91010771 91010880 91011017
CCV	537	542	
CCB	ND(10)	ND(10)	
91011251 PB BRI	ND(10)	ND(10)	
91011252 LCS	50/41/82%	36	
91011248 3	ND(10)	ND(10)	
91010997 3	ND(10)	ND(10)	
91011249 S	36	50/43/86%	
91011250 DS	48	86/92/7RPD	
91020023 4	ND(10) SL453	ND(10)	
91010907 LCS	39	50/42/84%	
91010876 3	ND(10)	ND(10)	
91010877 3	ND(10)	ND(10)	
CCV	552	551	
CCB	ND(10)	ND(10)	
91010878 3	ND(10)	ND(10)	
91011012 3	ND(10)	ND(10)	
91011013 3	ND(10)	ND(10)	
91011014 3	ND(10)	ND(10)	
91011015 3	ND(10)	ND(10)	SL853
PB BL M SL853	ND(0.01) mg/L	ND(10)	91010958 / 91020028
LCS	50 / 37/74%	35	91010959 / 91020029
91010954 8	ND(0.01) mg/L	ND(10)	
91010955 ts/5	459	451	5.0/2.3/46%
91020025 8	ND(0.01) mg/L	ND(10)	
CCV	551	560	
CCB	ND(10)	ND(10)	
91020030 ts/5	440	446	5.0/2.2/44%
91010822	ND(10)	ND(10)	
91010822 S	ND(10)	ND(10)	~~not spiked~~ insignificant K FLG 91010956 91020
91010822 DS	ND(10)	ND(10)	~~not spiked~~ insignificant K 91010957 91020
TCLP BLK#1 2-5	ND(10)	ND(10)	
TCLP BLK#2 2-5	ND(10)	ND(10)	
91010447/10 3s SL353	ND(10) mg/kg	ND(10)	
91010448/10 Ss	ND(10) mg/kg	ND(10)	
91010449/10 DSs	ND(10) mg/kg	ND(10)	

1409-87

(cont.)	Ag I SL 53 ug/l	Ag I SL 53 ug/l
cb	18	14
CRI	ND(10)	ND(10)
INTWO	413	409
INTW	514	529
CCV	ND(10)	ND(10)

1409-88

Run Auto Mode 91/02/18 02:16

Method Name: Replicates: 2 Read Delay: 50
Print Format: All Data ID Name: ag Data Name: ag
Remarks:

Ag I Ag I

Element Name Ag I Gain 618
Element Name Ag I Gain 618

Standard 3 Replicate 1

Ag I	EM	92633	
Ag I	EM	90746	

Standard 3 Replicate 2

Ag I	EM	91982	
Ag I	EM	91847	

Ag I	AV	92307	SD	458.7	CV	0.4	CONC	2000	SL	53	u
Ag I	AV	91296	SD	778.3	CV	0.8	CONC	2000	SL	53	u

Blank Replicate 1

Ag I	EM	174
Ag I	EM	470

Blank Replicate 2

Ag I	EM	412
Ag I	EM	-13

Ag I	AV	293	SD	168.2	CV	57.4	CONC	0	SL	53	u
Ag I	AV	228	SD	341.5	CV	149.4	CONC	0	SL	53	u

ICV ICAP Replicate 1

Ag I	969	SL 53	ug/l
Ag I	1000	SL 53	ug/l

ICV ICAP Replicate 2

Ag I	981	SL 53	ug/l
Ag I	1001	SL 53	ug/l

Ag I	AV	975	SL 53	ug/l	SD	8.4	CV	0.8
Ag I	AV	1001	SL 53	ug/l	SD	0.8	CV	0.0

ICB Replicate 1

Ag I			0	SL 53 ug/l			
Ag I			-13	SL 53 ug/l	Peak Offset		

ICB Replicate 2

Ag I			-5	SL 53 ug/l	Peak Offset		
Ag I			-2	SL 53 ug/l	Peak Offset		
Ag I	AV	-2	SL 53 ug/l	SD	4.3	CV	188.5
Ag I	AV	-8	SL 53 ug/l	SD	7.8	CV	94.3

CRI Replicate 1

Ag I			20	SL 53 ug/l			
Ag I			20	SL 53 ug/l			

CRI Replicate 2

Ag I			14	SL 53 ug/l			
Ag I			19	SL 53 ug/l			
Ag I	AV	17	SL 53 ug/l	SD	4.3	CV	25.4
Ag I	AV	20	SL 53 ug/l	SD	0.7	CV	3.6

INTWO Replicate 1

Ag I			-7	SL 53 ug/l	Peak Offset		
Ag I			-1	SL 53 ug/l			

INTWO Replicate 2

Ag I			-2	SL 53 ug/l			
Ag I			1	SL 53 ug/l			
Ag I	AV	-4	SL 53 ug/l	SD	3.9	CV	80.9
Ag I	AV	0	SL 53 ug/l	SD	2.2	CV>	999

INTW Replicate 1

Ag I			391	SL 53 ug/l			
Ag I			395	SL 53 ug/l			

INTW Replicate 2

Ag I			394	SL 53 ug/l			
Ag I			403	SL 53 ug/l			
Ag I	AV	393	SL 53 ug/l	SD	2.1	CV	0.5
Ag I	AV	399	SL 53 ug/l	SD	5.9	CV	1.4

91010772 PB BL Replicate 1

Ag I	-9	SL 53 ug/l	Peak Offset
Ag I	-4	SL 53 ug/l	

91010772 PB BL Replicate 2

Ag I			0	SL 53 ug/l			
Ag I			0	SL 53 ug/l			
Ag I	AV	-4	SL 53 ug/l	SD	6.9	CV	140.7
Ag I	AV	-2	SL 53 ug/l	SD	2.8	CV	133.3

91010278 LCS Replicate 1

Ag I	35	SL 53 ug/l
Ag I	39	SL 53 ug/l

91010278 LCS Replicate 2

Ag I			40	SL 53 ug/l			
Ag I			34	SL 53 ug/l			
Ag I	AV	38	SL 53 ug/l	SD	4.0	CV	10.5
Ag I	AV	36	SL 53 ug/l	SD	3.5	CV	9.5

91010768 3 Replicate 1

Ag I	0	SL 53 ug/l
Ag I	-3	SL 53 ug/l

91010768 3 Replicate 2

Ag I	-17	SL 53 ug/l	Peak Offset
Ag I	0	SL 53 ug/l	

Ag I	AV	-8	SL 53 ug/l	SD	13.2	CV	154.3
Ag I	AV	-1	SL 53 ug/l	SD	2.9	CV	192.2

91010769/2 3 Replicate 1

Ag I	1	SL 53 ug/l
Ag I	0	SL 53 ug/l

91010769/2 3 Replicate 2

Ag I	-3	SL 53 ug/l	Peak Offset
Ag I	1	SL 53 ug/l	

Ag I	AV	-1	SL 53 ug/l	SD	4.1	CV	389.6
Ag I	AV	0	SL 53 ug/l	SD	1.1	CV	117.0

91010885 3 Replicate 1

Ag I -7 SL 53 ug/l
Ag I -3 SL 53 ug/l Peak Offset

91010885 3 Replicate 2

Ag I -1 SL 53 ug/l
Ag I 0 SL 53 ug/l

Ag I	AV	-4 SL 53 ug/l	SD	4.2	CV	100.3
Ag I	AV	-1 SL 53 ug/l	SD	2.7	CV	173.1

91010885 S Replicate 1

Ag I 35 SL 53 ug/l
Ag I 50 SL 53 ug/l

91010885 S Replicate 2

Ag I 35 SL 53 ug/l
Ag I 44 SL 53 ug/l

Ag I	AV	35 SL 53 ug/l	SD	0.0	CV	0.1
Ag I	AV	47 SL 53 ug/l	SD	4.2	CV	8.9

91010885 DS Replicate 1

Ag I 45 SL 53 ug/l
Ag I 48 SL 53 ug/l

91010885 DS Replicate 2

Ag I 46 SL 53 ug/l
Ag I 43 SL 53 ug/l

Ag I	AV	46 SL 53 ug/l	SD	0.8	CV	1.7
Ag I	AV	45 SL 53 ug/l	SD	3.5	CV	7.6

CCV Replicate 1

Ag I 539 SL 53 ug/l
Ag I 534 SL 53 ug/l

CCV Replicate 2

Ag I 534 SL 53 ug/l
Ag I 549 SL 53 ug/l

Ag I	AV	537 SL 53 ug/l	SD	3.6	CV	0.6
Ag I	AV	542 SL 53 ug/l	SD	10.8	CV	2.0

CCB Replicate 1

Ag I	-12	SL 53	ug/l	Peak Offset	
Ag I	4	SL 53	ug/l		

CCB Replicate 2

Ag I			-3	SL 53	ug/l			
Ag I			-2	SL 53	ug/l			
Ag I	AV	-8	SL 53	ug/l	SD	6.1	CV	75.8
Ag I	AV	0	SL 53	ug/l	SD	5.1	CV	619.6

91011251 PB BR Replicate 1

Ag I	-3	SL 53	ug/l		
Ag I	-4	SL 53	ug/l		

91011251 PB BR Replicate 2

Ag I	-18	SL 53	ug/l	Peak Offset	
Ag I	-2	SL 53	ug/l		

Ag I	AV	-10	SL 53	ug/l	SD	10.6	CV	96.9
Ag I	AV	-3	SL 53	ug/l	SD	1.6	CV	42.3

91011252 LCS Replicate 1

Ag I	39	SL 53	ug/l
Ag I	40	SL 53	ug/l

91011252 LCS Replicate 2

Ag I			43	SL 53	ug/l			
Ag I			31	SL 53	ug/l			
Ag I	AV	41	SL 53	ug/l	SD	3.1	CV	7.5
Ag I	AV	36	SL 53	ug/l	SD	6.5	CV	17.8

91011248 3 Replicate 1

Ag I	-15	SL 53	ug/l	Peak Offset	
Ag I	-4	SL 53	ug/l	Peak Offset	

91011248 3 Replicate 2

Ag I			4	SL 53	ug/l			
Ag I			0	SL 53	ug/l			
Ag I	AV	-5	SL 53	ug/l	SD	14.3	CV	249.8
Ag I	AV	-2	SL 53	ug/l	SD	3.0	CV	131.5

91010997 3 Replicate 1

Ag I			-10	SL 53	ug/l	Peak Offset	
Ag I			-4	SL 53	ug/l	Peak Offset	

91010997 3 Replicate 2

Ag I			3	SL 53	ug/l				
Ag I			3	SL 53	ug/l				
Ag I	AV	-3	SL 53	ug/l	SD	10.0	CV	268.1	
Ag I	AV	0	SL 53	ug/l	SD	5.5	CV>	999	

91011249 S Replicate 1

Ag I			36	SL 53	ug/l		
Ag I			44	SL 53	ug/l		

91011249 S Replicate 2

Ag I			36	SL 53	ug/l				
Ag I			41	SL 53	ug/l				
Ag I	AV	36	SL 53	ug/l	SD	0.1	CV	0.3	
Ag I	AV	43	SL 53	ug/l	SD	2.0	CV	4.7	

91011250 DS Replicate 1

Ag I			50	SL 53	ug/l		
Ag I			45	SL 53	ug/l		

91011250 DS Replicate 2

Ag I			45	SL 53	ug/l				
Ag I			47	SL 53	ug/l				
Ag I	AV	48	SL 53	ug/l	SD	3.4	CV	7.1	
Ag I	AV	46	SL 53	ug/l	SD	1.0	CV	2.2	

91020023 4 Replicate 1

Ag I			2	SL 53	ug/l		
Ag I			3	SL 53	ug/l		

91020023 4 Replicate 2

Ag I			-2	SL 53	ug/l	Peak Offset			
Ag I			2	SL 53	ug/l				
Ag I	AV	0	SL 53	ug/l	SD	3.1	CV>	999	
Ag I	AV	3	SL 53	ug/l	SD	0.7	CV	22.4	

91010907 LCS Replicate 1

Ag I			43	SL 53	ug/l		
Ag I			41	SL 53	ug/l		

91010907 LCS Replicate 2

Ag I			34	SL 53	ug/l				
Ag I			43	SL 53	ug/l				
Ag I	AV	39	SL 53	ug/l	SD	6.3	CV	16.2
Ag I	AV	42	SL 53	ug/l	SD	1.6	CV	3.9

91010876 3 Replicate 1

Ag I			-1	SL 53	ug/l				
Ag I			0	SL 53	ug/l				

91010876 3 Replicate 2

Ag I			2	SL 53	ug/l				
Ag I			1	SL 53	ug/l				
Ag I	AV	0	SL 53	ug/l	SD	3.2	CV	510.5
Ag I	AV	0	SL 53	ug/l	SD	1.1	CV	241.0

91010877 3 Replicate 1

Ag I			-3	SL 53	ug/l				
Ag I			-4	SL 53	ug/l				

91010877 3 Replicate 2

Ag I			0	SL 53	ug/l				
Ag I			0	SL 53	ug/l				
Ag I	AV	-1	SL 53	ug/l	SD	2.5	CV	177.3
Ag I	AV	-2	SL 53	ug/l	SD	2.7	CV	94.2

CCV Replicate 1

Ag I			558	SL 53	ug/l				
Ag I			555	SL 53	ug/l				

CCV Replicate 2

Ag I			546	SL 53	ug/l				
Ag I			546	SL 53	ug/l				
Ag I	AV	552	SL 53	ug/l	SD	8.5	CV	1.5
Ag I	AV	551	SL 53	ug/l	SD	6.4	CV	1.1

CCB Replicate 1

Ag I			-6	SL 53	ug/l		
Ag I			1	SL 53	ug/l		

CCB Replicate 2

Ag I			-3	SL 53	ug/l		
Ag I			4	SL 53	ug/l		
Ag I	AV	-5	SL 53	ug/l	SD	2.5	CV 48.1
Ag I	AV	3	SL 53	ug/l	SD	2.3	CV 72.6

91010878 3 Replicate 1

Ag I			-13	SL 53	ug/l	Peak Offset	
Ag I			0	SL 53	ug/l		

91010878 3 Replicate 2

Ag I			0	SL 53	ug/l		
Ag I			-1	SL 53	ug/l		
Ag I	AV	-6	SL 53	ug/l	SD	9.0	CV 131.1
Ag I	AV	-1	SL 53	ug/l	SD	0.8	CV 64.1

91011012 3 Replicate 1

Ag I			-2	SL 53	ug/l		
Ag I			-2	SL 53	ug/l		

91011012 3 Replicate 2

Ag I			-2	SL 53	ug/l		
Ag I			0	SL 53	ug/l		
Ag I	AV	-2	SL 53	ug/l	SD	0.1	CV 5.2
Ag I	AV	0	SL 53	ug/l	SD	2.0	CV 276.4

91011013 3 Replicate 1

Ag I			-2	SL 53	ug/l		
Ag I			-14	SL 53	ug/l	Peak Offset	

91011013 3 Replicate 2

Ag I			-10	SL 53	ug/l	Peak Offset	
Ag I			-2	SL 53	ug/l		
Ag I	AV	-6	SL 53	ug/l	SD	5.7	CV 88.9
Ag I	AV	-8	SL 53	ug/l	SD	8.7	CV 104.5

91011014 3 Replicate 1

Ag I -15 SL 53 ug/l Peak Offset
Ag I -6 SL 53 ug/l

91011014 3 Replicate 2

Ag I -8 SL 53 ug/l Peak Offset
Ag I -4 SL 53 ug/l Peak Offset

Ag I	AV	-11	SL 53	ug/l	SD	5.2	CV	43.7
Ag I	AV	-5	SL 53	ug/l	SD	1.5	CV	26.0

91011015 3 Replicate 1

Ag I -11 SL 53 ug/l Peak Offset
Ag I 3 SL 53 ug/l

91011015 3 Replicate 2

Ag I -9 SL 53 ug/l Peak Offset
Ag I -6 SL 53 ug/l

Ag I	AV	-10	SL 53	ug/l	SD	1.6	CV	16.3
Ag I	AV	-1	SL 53	ug/l	SD	6.9	CV	370.2

PB BL M Replicate 1

Ag I -8 SL 53 ug/l Peak Offset
Ag I -14 SL 53 ug/l Peak Offset

PB BL M Replicate 2

Ag I -4 SL 53 ug/l Peak Offset
Ag I -6 SL 53 ug/l Peak Offset

Ag I	AV	-6	SL 53	ug/l	SD	2.5	CV	37.6
Ag I	AV	-10	SL 53	ug/l	SD	5.9	CV	57.3

LCS Replicate 1

Ag I 38 SL 53 ug/l
Ag I 37 SL 53 ug/l

LCS Replicate 2

Ag I 36 SL 53 ug/l
Ag I 34 SL 53 ug/l

Ag I	AV	37	SL 53	ug/l	SD	1.7	CV	4.5
Ag I	AV	35	SL 53	ug/l	SD	2.3	CV	6.4

91010954 8 Replicate 1

Ag I		-3	SL 53	ug/l
Ag I		-3	SL 53	ug/l

91010954 8 Replicate 2

Ag I		3	SL 53	ug/l
Ag I		-17	SL 53	ug/lPeak Offset

Ag I	AV	0	SL 53	ug/l	SD	4.7	CV>	999
Ag I	AV	-10	SL 53	ug/l	SD	10.2	CV	97.8

91010955ts/5 Replicate 1

Ag I		462	SL 53	ug/l
Ag I		450	SL 53	ug/l

91010955ts/5 Replicate 2

Ag I		455	SL 53	ug/l
Ag I		453	SL 53	ug/l

Ag I	AV	459	SL 53	ug/l	SD	4.5	CV	0.9
Ag I	AV	451	SL 53	ug/l	SD	2.0	CV	0.4

91020025 8 Replicate 1

Ag I		-11	SL 53	ug/lPeak Offset
Ag I		-5	SL 53	ug/l

91020025 8 Replicate 2

Ag I		-10	SL 53	ug/lPeak Offset
Ag I		0	SL 53	ug/l

Ag I	AV	-10	SL 53	ug/l	SD	0.1	CV	1.2
Ag I	AV	-2	SL 53	ug/l	SD	4.3	CV	180.9

CCV Replicate 1

Ag I		551	SL 53	ug/l
Ag I		561	SL 53	ug/l

CCV Replicate 2

Ag I		551	SL 53	ug/l
Ag I		560	SL 53	ug/l

Ag I	AV	551	SL 53	ug/l	SD	0.0	CV	0.0
Ag I	AV	560	SL 53	ug/l	SD	1.0	CV	0.1

CCB Replicate 1

Ag I	-2	SL 53	ug/l		
Ag I	-14	SL 53	ug/l	Peak Offset	

CCB Replicate 2

Ag I	-16	SL 53	ug/l	Peak Offset	
Ag I	-2	SL 53	ug/l		

Ag I	AV	-9	SL 53	ug/l	SD	9.4	CV	99.7
Ag I	AV	-8	SL 53	ug/l	SD	8.4	CV	103.6

91020030ts/5 Replicate 1

Ag I	437	SL 53	ug/l
Ag I	448	SL 53	ug/l

91020030ts/5 Replicate 2

Ag I	444	SL 53	ug/l
Ag I	444	SL 53	ug/l

Ag I	AV	440	SL 53	ug/l	SD	4.9	CV	1.1
Ag I	AV	446	SL 53	ug/l	SD	2.8	CV	0.6

91010822 Replicate 1

Ag I	-75	SL 53	ug/l		
Ag I	-75	SL 53	ug/l	Peak Offset	

91010822 Replicate 2

Ag I	-83	SL 53	ug/l	Peak Offset	
Ag I	-73	SL 53	ug/l		

Ag I	AV	-79	SL 53	ug/l	SD	5.4	CV	6.8
Ag I	AV	-74	SL 53	ug/l	SD	1.1	CV	1.4

91010822 S Replicate 1

Ag I	-35	SL 53	ug/l
Ag I	-38	SL 53	ug/l

91010822 S Replicate 2

Ag I	-36	SL 53	ug/l
Ag I	-33	SL 53	ug/l

Ag I	AV	-36	SL 53	ug/l	SD	1.2	CV	3.4
Ag I	AV	-36	SL 53	ug/l	SD	3.8	CV	10.7

91010822 DS Replicate 1

Ag I			-44	SL 53	ug/l		
Ag I			-41	SL 53	ug/l		

91010822 DS Replicate 2

Ag I			-43	SL 53	ug/l				
Ag I			-31	SL 53	ug/l				
Ag I	AV	-44	SL 53	ug/l	SD	0.2	CV	0.5
Ag I	AV	-36	SL 53	ug/l	SD	6.6	CV	18.3

TCLP BLK#1 2-5 Replicate 1

Ag I			-4	SL 53	ug/l		
Ag I			-4	SL 53	ug/l		

TCLP BLK#1 2-5 Replicate 2

Ag I			-17	SL 53	ug/l	Peak Offset			
Ag I			0	SL 53	ug/l				
Ag I	AV	-10	SL 53	ug/l	SD	9.1	CV	85.7
Ag I	AV	-2	SL 53	ug/l	SD	3.9	CV	182.1

TCLP BLK#2 2-5 Replicate 1

Ag I			-7	SL 53	ug/l		
Ag I			0	SL 53	ug/l		

TCLP BLK#2 2-5 Replicate 2

Ag I			-10	SL 53	ug/l	Peak Offset			
Ag I			-1	SL 53	ug/l				
Ag I	AV	-8	SL 53	ug/l	SD	2.3	CV	26.8
Ag I	AV	0	SL 53	ug/l	SD	1.0	CV	274.7

91010447/10 3s Replicate 1

Ag I			-7	SL 53	ug/l		
Ag I			-9	SL 53	ug/l		

91010447/10 3s Replicate 2

Ag I			-4	SL 53	ug/l				
Ag I			-2	SL 53	ug/l				
Ag I	AV	-6	SL 53	ug/l	SD	2.0	CV	33.7
Ag I	AV	-5	SL 53	ug/l	SD	5.4	CV	91.8

91010448/10 Ss Replicate 1

Ag I	-4	SL	53	ug/l	
Ag I	-10	SL	53	ug/l	Peak Offset

91010448/10 Ss Replicate 2

Ag I	0	SL	53	ug/l	
Ag I	-5	SL	53	ug/l	Peak Offset

Ag I	AV	-1	SL	53	ug/l	SD	3.4	CV	206.1
Ag I	AV	-8	SL	53	ug/l	SD	3.6	CV	44.1

91010449/10 DS Replicate 1

Ag I	-2	SL	53	ug/l	
Ag I	-6	SL	53	ug/l	

91010449/10 DS Replicate 2

Ag I	-11	SL	53	ug/l	Peak Offset
Ag I	-3	SL	53	ug/l	Peak Offset

Ag I	AV	-6	SL	53	ug/l	SD	6.4	CV	95.5
Ag I	AV	-5	SL	53	ug/l	SD	2.3	CV	44.6

cb Replicate 1

Ag I	20	SL	53	ug/l	
Ag I	17	SL	53	ug/l	

cb Replicate 2

Ag I	15	SL	53	ug/l	
Ag I	11	SL	53	ug/l	

Ag I	AV	18	SL	53	ug/l	SD	3.6	CV	20.1
Ag I	AV	14	SL	53	ug/l	SD	4.6	CV	31.5

CRI Replicate 1

Ag I	-12	SL	53	ug/l	Peak Offset
Ag I	-4	SL	53	ug/l	Peak Offset

CRI Replicate 2

Ag I	-6	SL	53	ug/l	
Ag I	0	SL	53	ug/l	

Ag I	AV	-9	SL	53	ug/l	SD	3.8	CV	39.9
Ag I	AV	-2	SL	53	ug/l	SD	3.4	CV	159.3

INTWO Replicate 1

Ag I			409	SL	53	ug/l			
Ag I			408	SL	53	ug/l			

INTWO Replicate 2

Ag I			417	SL	53	ug/l			
Ag I			410	SL	53	ug/l			
Ag I	AV	413	SL	53	ug/l	SD	5.6	CV	1.3
Ag I	AV	409	SL	53	ug/l	SD	0.8	CV	0.1

INTW Replicate 1

Ag I			517	SL	53	ug/l			
Ag I			525	SL	53	ug/l			

INTW Replicate 2

Ag I			511	SL	53	ug/l			
Ag I			533	SL	53	ug/l			
Ag I	AV	514	SL	53	ug/l	SD	4.6	CV	0.9
Ag I	AV	529	SL	53	ug/l	SD	5.5	CV	1.0

CCV Replicate 1

Ag I			-2	SL	53	ug/l			
Ag I			-5	SL	53	ug/l	Peak Offset		

CCV Replicate 2

Ag I			-18	SL	53	ug/l	Peak Offset		
Ag I			-1	SL	53	ug/l			
Ag I	AV	-10	SL	53	ug/l	SD	11.2	CV	110.2
Ag I	AV	-3	SL	53	ug/l	SD	2.6	CV	69.4

1409-37

Run Auto Mode 91/02/13 17:16

Method Name: Replicates: 2 Read Delay: 55
Print Format: All Data ID Name: ecol Data Name: ecol
Remarks:

Cr I	Cr II	Cd I	Cd II	Cd Ib	Cd IIb
Cr Ib	Cr IIb				

Element Name Cr I Gain 575
Element Name Cd I Gain 701
Element Name Cd Ib Gain 697
Element Name Cr Ib Gain 540

Standard 1 Replicate 1

Cr I	EM	95715
Cd I	EM	96275
Cd Ib	EM	85033
Cr Ib	EM	102277

Standard 1 Replicate 2

Cr I	EM	96021
Cd I	EM	95582
Cd Ib	EM	86810
Cr Ib	EM	102909

Cr I	AV	95868	SD	212.1	CV	0.2	CONC	10000	SL	11	ug
Cd I	AV	95928	SD	487.9	CV	0.5	CONC	1000	SL	07	ug
Cd Ib	AV	85921	SD	1256.4	CV	1.4	CONC	1000	SL	07	ug
Cr Ib	AV	102593	SD	444.8	CV	0.4	CONC	10000	SL	11	ug

Element Name Cr II Gain 575
Element Name Cd II Gain 705
Element Name Cd IIb Gain 689
Element Name Cr IIb Gain 540

Standard 2 Replicate 1

Cr II	EM	104878
Cd II	EM	112385
Cd IIb	EM	88538
Cr IIb	EM	110790

Standard 2 Replicate 2

Cr II	EM	106121
Cd II	EM	111106
Cd IIb	EM	89209
Cr IIb	EM	112263

Cr II	AV	105500	SD	877.8	CV	0.8	CONC	10000	SL	11	ug
Cd II	AV	111746	SD	903.5	CV	0.8	CONC	1000	SL	07	ug
Cd IIb	AV	88873	SD	473.7	CV	0.5	CONC	1000	SL	07	ug
Cr IIb	AV	111527	SD	1041.0	CV	0.9	CONC	10000	SL	11	ug

Blank Replicate 1

Cr I	EM	171
Cr II	EM	201
Cd I	EM	96
Cd II	EM	536
Cd Ib	EM	602
Cd IIb	EM	440
Cr Ib	EM	174
Cr IIb	EM	155

Blank Replicate 2

Cr I	EM	192
Cr II	EM	114
Cd I	EM	407
Cd II	EM	373
Cd Ib	EM	-133
Cd IIb	EM	16
Cr Ib	EM	126
Cr IIb	EM	125

Cr I	AV	181	SD	14.8	CV	8.1	CONC	0	SL	11	ug
Cr II	AV	157	SD	61.5	CV	39.0	CONC	0	SL	11	ug
Cd I	AV	251	SD	219.9	CV	87.4	CONC	0	SL	07	ug
Cd II	AV	454	SD	115.2	CV	25.3	CONC	0	SL	07	ug
Cd Ib	AV	234	SD	519.7	CV	221.6	CONC	0	SL	07	ug
Cd IIb	AV	228	SD	299.8	CV	131.4	CONC	0	SL	07	ug
Cr Ib	AV	150	SD	33.9	CV	22.6	CONC	0	SL	11	ug
Cr IIb	AV	140	SD	21.2	CV	15.1	CONC	0	SL	11	ug

ICV ICAP Replicate 1

Cr I	1101	SL	11	ug/l
Cr II	1013	SL	11	ug/l
Cd I	997	SL	07	ug/l
Cd II	921	SL	07	ug/l
Cd Ib	1016	SL	07	ug/l
Cd IIb	919	SL	07	ug/l
Cr Ib	1110	SL	11	ug/l
Cr IIb	969	SL	11	ug/l

ICV ICAP Replicate 2

Cr I	1109	SL	11	ug/l
Cr II	1014	SL	11	ug/l
Cd I	1011	SL	07	ug/l
Cd II	936	SL	07	ug/l
Cd Ib	1036	SL	07	ug/l

		Cd IIb			918	SL 07	ug/l			
		Cr Ib			1121	SL 11	ug/l			
		Cr IIb			968	SL 11	ug/l			
Cr I	AV	1105	SL 11	ug/l	SD	5.6	CV	0.5		
Cr II	AV	1013	SL 11	ug/l	SD	0.7	CV	0.0		
Cd I	AV	1004	SL 07	ug/l	SD	9.6	CV	0.9		
Cd II	AV	928	SL 07	ug/l	SD	10.3	CV	1.1		
Cd Ib	AV	1026	SL 07	ug/l	SD	13.8	CV	1.3		
Cd IIb	AV	918	SL 07	ug/l	SD	0.5	CV	0.0		
Cr Ib	AV	1115	SL 11	ug/l	SD	7.5	CV	0.6		
Cr IIb	AV	969	SL 11	ug/l	SD	0.2	CV	0.0		

ICV WP Replicate 1

Cr I	583	SL 11	ug/l
Cr II	524	SL 11	ug/l
Cd I	142	SL 07	ug/l
Cd II	122	SL 07	ug/l
Cd Ib	141	SL 07	ug/l
Cd IIb	128	SL 07	ug/l
Cr Ib	596	SL 11	ug/l
Cr IIb	460	SL 11	ug/l

ICV WP Replicate 2

Cr I	584	SL 11	ug/l
Cr II	529	SL 11	ug/l
Cd I	147	SL 07	ug/l
Cd II	126	SL 07	ug/l
Cd Ib	144	SL 07	ug/l
Cd IIb	128	SL 07	ug/l
Cr Ib	599	SL 11	ug/l
Cr IIb	455	SL 11	ug/l

Cr I	AV	584	SL 11	ug/l	SD	0.3	CV	0.0		
Cr II	AV	526	SL 11	ug/l	SD	3.4	CV	0.6		
Cd I	AV	144	SL 07	ug/l	SD	3.3	CV	2.3		
Cd II	AV	124	SL 07	ug/l	SD	3.2	CV	2.6		
Cd Ib	AV	143	SL 07	ug/l	SD	2.1	CV	1.4		
Cd IIb	AV	128	SL 07	ug/l	SD	0.0	CV	0.0		
Cr Ib	AV	597	SL 11	ug/l	SD	2.2	CV	0.3		
Cr IIb	AV	458	SL 11	ug/l	SD	3.3	CV	0.7		

ICB Replicate 1

Cr I	-11	SL 11	ug/l	
Cr II	-4	SL 11	ug/l	
Cd I	0	SL 07	ug/l	
Cd II	-1	SL 07	ug/l	
Cd Ib	-3	SL 07	ug/l	Peak Offset
Cd IIb	3	SL 07	ug/l	
Cr Ib	-3	SL 11	ug/l	
Cr IIb	-6	SL 11	ug/l	

ICB Replicate 2

Cr I	-13	SL 11	ug/l		
Cr II	-8	SL 11	ug/l		
Cd I	0	SL 07	ug/l		
Cd II	-2	SL 07	ug/l		
Cd Ib	-2	SL 07	ug/l	Peak Offset	
Cd IIb	0	SL 07	ug/l	Peak Offset	
Cr Ib	-3	SL 11	ug/l		
Cr IIb	-2	SL 11	ug/l		

Cr I	AV	-12	SL 11	ug/l	SD	1.3	CV	10.5
Cr II	AV	-6	SL 11	ug/l	SD	3.2	CV	50.9
Cd I	AV	0	SL 07	ug/l	SD	0.2	CV	70.7
Cd II	AV	-1	SL 07	ug/l	SD	0.3	CV	19.5
Cd Ib	AV	-3	SL 07	ug/l	SD	0.7	CV	22.9
Cd IIb	AV	1	SL 07	ug/l	SD	2.7	CV	234.3
Cr Ib	AV	-3	SL 11	ug/l	SD	0.4	CV	11.7
Cr IIb	AV	-4	SL 11	ug/l	SD	2.9	CV	60.2

CRI Replicate 1

Cr I	-1	SL 11	ug/l
Cr II	7	SL 11	ug/l
Cd I	9	SL 07	ug/l
Cd II	9	SL 07	ug/l
Cd Ib	12	SL 07	ug/l
Cd IIb	7	SL 07	ug/l
Cr Ib	16	SL 11	ug/l
Cr IIb	13	SL 11	ug/l

CRI Replicate 2

Cr I	11	SL 11	ug/l
Cr II	8	SL 11	ug/l
Cd I	11	SL 07	ug/l
Cd II	8	SL 07	ug/l
Cd Ib	15	SL 07	ug/l
Cd IIb	9	SL 07	ug/l
Cr Ib	11	SL 11	ug/l
Cr IIb	5	SL 11	ug/l

Cr I	AV	5	SL 11	ug/l	SD	8.8	CV	171.4
Cr II	AV	8	SL 11	ug/l	SD	1.0	CV	12.3
Cd I	AV	10	SL 07	ug/l	SD	1.1	CV	10.9
Cd II	AV	8	SL 07	ug/l	SD	0.5	CV	6.6
Cd Ib	AV	13	SL 07	ug/l	SD	2.4	CV	17.7
Cd IIb	AV	8	SL 07	ug/l	SD	1.4	CV	17.1
Cr Ib	AV	14	SL 11	ug/l	SD	3.2	CV	22.8
Cr IIb	AV	9	SL 11	ug/l	SD	5.8	CV	59.6

INTWO Replicate 1

Cr I	20	SL 11	ug/l	Peak Offset
Cr II	30	SL 11	ug/l	Peak Offset
Cd I	23	SL 07	ug/l	Peak Offset
Cd II	20	SL 07	ug/l	Peak Offset
Cd Ib	-4	SL 07	ug/l	

Cd IIb	-207	SL 07	ug/l	Peak Offset		
Cr Ib	0	SL 11	ug/l			
Cr IIb	-20	SL 11	ug/l			

INTWO Replicate 2

Cr I	29	SL 11	ug/l	Peak Offset		
Cr II	27	SL 11	ug/l	Peak Offset		
Cd I	18	SL 07	ug/l	Peak Offset		
Cd II	20	SL 07	ug/l	Peak Offset		
Cd Ib	-1	SL 07	ug/l			
Cd IIb	-214	SL 07	ug/l	Peak Offset		
Cr Ib	0	SL 11	ug/l			
Cr IIb	-27	SL 11	ug/l	Peak Offset		

Cr I	AV	24	SL 11	ug/l	SD	6.3	CV	25.6
Cr II	AV	28	SL 11	ug/l	SD	2.2	CV	7.7
Cd I	AV	21	SL 07	ug/l	SD	3.2	CV	15.5
Cd II	AV	20	SL 07	ug/l	SD	0.1	CV	0.7
Cd Ib	AV	-3	SL 07	ug/l	SD	2.1	CV	70.0
Cd IIb	AV	-211	SL 07	ug/l	SD	4.6	CV	2.1
Cr Ib	AV	0	SL 11	ug/l	SD	0.2	CV	94.2
Cr IIb	AV	-23	SL 11	ug/l	SD	5.4	CV	22.7

INTW Replicate 1

Cr I	234	SL 11	ug/l
Cr II	218	SL 11	ug/l
Cd I	448	SL 07	ug/l
Cd II	395	SL 07	ug/l
Cd Ib	409	SL 07	ug/l
Cd IIb	174	SL 07	ug/l
Cr Ib	216	SL 11	ug/l
Cr IIb	168	SL 11	ug/l

INTW Replicate 2

Cr I	244	SL 11	ug/l
Cr II	214	SL 11	ug/l
Cd I	437	SL 07	ug/l
Cd II	402	SL 07	ug/l
Cd Ib	394	SL 07	ug/l
Cd IIb	167	SL 07	ug/l
Cr Ib	241	SL 11	ug/l
Cr IIb	176	SL 11	ug/l

Cr I	AV	239	SL 11	ug/l	SD	7.3	CV	3.0
Cr II	AV	216	SL 11	ug/l	SD	3.0	CV	1.4
Cd I	AV	443	SL 07	ug/l	SD	7.4	CV	1.6
Cd II	AV	399	SL 07	ug/l	SD	5.0	CV	1.2
Cd Ib	AV	402	SL 07	ug/l	SD	10.5	CV	2.6
Cd IIb	AV	170	SL 07	ug/l	SD	4.9	CV	2.8
Cr Ib	AV	229	SL 11	ug/l	SD	17.3	CV	7.5
Cr IIb	AV	172	SL 11	ug/l	SD	5.5	CV	3.2

91010902 PBwBL Replicate 1

Cr I	-21	SL 11	ug/l	Peak Offset	
Cr II	-7	SL 11	ug/l		
Cd I	0	SL 07	ug/l		
Cd II	-3	SL 07	ug/l		
Cd Ib	-3	SL 07	ug/l		
Cd IIb	-1	SL 07	ug/l		
Cr Ib	-6	SL 11	ug/l		
Cr IIb	-4	SL 11	ug/l		

91010902 PBwBL Replicate 2

Cr I	-11	SL 11	ug/l		
Cr II	-10	SL 11	ug/l		
Cd I	1	SL 07	ug/l		
Cd II	1	SL 07	ug/l		
Cd Ib	-5	SL 07	ug/l	Peak Offset	
Cd IIb	0	SL 07	ug/l		
Cr Ib	-13	SL 11	ug/l		
Cr IIb	-3	SL 11	ug/l		

Cr I	AV	-16	SL 11	ug/l	SD	7.2	CV	44.8
Cr II	AV	-8	SL 11	ug/l	SD	1.9	CV	22.2
Cd I	AV	1	SL 07	ug/l	SD	0.6	CV	50.6
Cd II	AV	0	SL 07	ug/l	SD	3.6	CV	502.4
Cd Ib	AV	-4	SL 07	ug/l	SD	1.1	CV	23.4
Cd IIb	AV	-1	SL 07	ug/l	SD	1.0	CV	87.6
Cr Ib	AV	-9	SL 11	ug/l	SD	5.2	CV	52.6
Cr IIb	AV	-4	SL 11	ug/l	SD	0.7	CV	18.8

91010903 LCSw Replicate 1

Cr I	189	SL 11	ug/l
Cr II	158	SL 11	ug/l
Cd I	48	SL 07	ug/l
Cd II	39	SL 07	ug/l
Cd Ib	51	SL 07	ug/l
Cd IIb	38	SL 07	ug/l
Cr Ib	177	SL 11	ug/l
Cr IIb	146	SL 11	ug/l

91010903 LCSw Replicate 2

Cr I	184	SL 11	ug/l
Cr II	168	SL 11	ug/l
Cd I	45	SL 07	ug/l
Cd II	41	SL 07	ug/l
Cd Ib	51	SL 07	ug/l
Cd IIb	40	SL 07	ug/l
Cr Ib	184	SL 11	ug/l
Cr IIb	137	SL 11	ug/l

Cr I	AV	186	SL 11	ug/l	SD	3.4	CV	1.8
Cr II	AV	163	SL 11	ug/l	SD	6.5	CV	4.0
Cd I	AV	47	SL 07	ug/l	SD	1.7	CV	3.7
Cd II	AV	40	SL 07	ug/l	SD	1.0	CV	2.6
Cd Ib	AV	51	SL 07	ug/l	SD	0.2	CV	0.4

Cd IIb	AV	39	SL 07	ug/l	SD	1.5	CV	3.8	
Cr Ib	AV	180	SL 11	ug/l	SD	4.9	CV	2.7	
Cr IIb	AV	141	SL 11	ug/l	SD	6.7	CV	4.7	

91010884 3 Replicate 1

Cr I	-23	SL 11	ug/l	Peak Offset
Cr II	-14	SL 11	ug/l	
Cd I	0	SL 07	ug/l	
Cd II	-4	SL 07	ug/l	
Cd Ib	1	SL 07	ug/l	
Cd IIb	-2	SL 07	ug/l	Peak Offset
Cr Ib	-6	SL 11	ug/l	
Cr IIb	-5	SL 11	ug/l	

91010884 3 Replicate 2

Cr I	-11	SL 11	ug/l
Cr II	-10	SL 11	ug/l
Cd I	1	SL 07	ug/l
Cd II	-3	SL 07	ug/l Peak Offset
Cd Ib	0	SL 07	ug/l
Cd IIb	0	SL 07	ug/l
Cr Ib	-6	SL 11	ug/l
Cr IIb	-9	SL 11	ug/l

Cr I	AV	-17	SL 11	ug/l	SD	8.2	CV	47.0
Cr II	AV	-12	SL 11	ug/l	SD	2.9	CV	23.8
Cd I	AV	0	SL 07	ug/l	SD	0.6	CV	119.7
Cd II	AV	-4	SL 07	ug/l	SD	0.6	CV	15.4
Cd Ib	AV	1	SL 07	ug/l	SD	0.8	CV	62.9
Cd IIb	AV	-1	SL 07	ug/l	SD	1.2	CV	82.1
Cr Ib	AV	-6	SL 11	ug/l	SD	0.1	CV	2.0
Cr IIb	AV	-7	SL 11	ug/l	SD	2.9	CV	39.8

91010885 3 Replicate 1

Cr I	-10	SL 11	ug/l
Cr II	-10	SL 11	ug/l
Cd I	1	SL 07	ug/l
Cd II	-5	SL 07	ug/l
Cd Ib	3	SL 07	ug/l
Cd IIb	0	SL 07	ug/l
Cr Ib	-3	SL 11	ug/l
Cr IIb	-3	SL 11	ug/l

91010885 3 Replicate 2

Cr I	-9	SL 11	ug/l	
Cr II	-17	SL 11	ug/l	Peak Offset
Cd I	-2	SL 07	ug/l	
Cd II	-3	SL 07	ug/l	Peak Offset
Cd Ib	-7	SL 07	ug/l	Peak Offset
Cd IIb	-1	SL 07	ug/l	
Cr Ib	-7	SL 11	ug/l	
Cr IIb	0	SL 11	ug/l	

Cr I	AV	-10	SL 11	ug/l	SD	0.6	CV	6.5
Cr II	AV	-14	SL 11	ug/l	SD	4.8	CV	33.6
Cd I	AV	0	SL 07	ug/l	SD	2.8	CV>	999
Cd II	AV	-4	SL 07	ug/l	SD	0.8	CV	17.8
Cd Ib	AV	-2	SL 07	ug/l	SD	7.7	CV	319.8
Cd IIb	AV	-1	SL 07	ug/l	SD	0.9	CV	88.5
Cr Ib	AV	-5	SL 11	ug/l	SD	2.4	CV	44.6
Cr IIb	AV	-1	SL 11	ug/l	SD	2.4	CV	149.2

91010900 S Replicate 1

Cr I	171	SL 11	ug/l
Cr II	167	SL 11	ug/l
Cd I	47	SL 07	ug/l
Cd II	40	SL 07	ug/l
Cd Ib	47	SL 07	ug/l
Cd IIb	40	SL 07	ug/l
Cr Ib	171	SL 11	ug/l
Cr IIb	139	SL 11	ug/l

91010900 S Replicate 2

Cr I	184	SL 11	ug/l
Cr II	158	SL 11	ug/l
Cd I	49	SL 07	ug/l
Cd II	40	SL 07	ug/l
Cd Ib	43	SL 07	ug/l
Cd IIb	37	SL 07	ug/l
Cr Ib	176	SL 11	ug/l
Cr IIb	140	SL 11	ug/l

Cr I	AV	177	SL 11	ug/l	SD	9.0	CV	5.1
Cr II	AV	162	SL 11	ug/l	SD	6.3	CV	3.9
Cd I	AV	48	SL 07	ug/l	SD	1.5	CV	3.2
Cd II	AV	40	SL 07	ug/l	SD	0.0	CV	0.2
Cd Ib	AV	45	SL 07	ug/l	SD	3.0	CV	6.7
Cd IIb	AV	39	SL 07	ug/l	SD	2.4	CV	6.3
Cr Ib	AV	174	SL 11	ug/l	SD	3.1	CV	1.8
Cr IIb	AV	140	SL 11	ug/l	SD	0.8	CV	0.6

91010901 DS Replicate 1

Cr I	170	SL 11	ug/l
Cr II	158	SL 11	ug/l
Cd I	45	SL 07	ug/l
Cd II	40	SL 07	ug/l
Cd Ib	50	SL 07	ug/l
Cd IIb	33	SL 07	ug/l
Cr Ib	174	SL 11	ug/l
Cr IIb	130	SL 11	ug/l

91010901 DS Replicate 2

Cr I	176	SL 11	ug/l
Cr II	151	SL 11	ug/l

Cd I	48	SL 07	ug/l		
Cd II	40	SL 07	ug/l		
Cd Ib	43	SL 07	ug/l		
Cd IIb	41	SL 07	ug/l		
Cr Ib	169	SL 11	ug/l		
Cr IIb	124	SL 11	ug/l		

Cr I	AV	173	SL 11	ug/l	SD	4.1	CV	2.3
Cr II	AV	155	SL 11	ug/l	SD	5.0	CV	3.2
Cd I	AV	47	SL 07	ug/l	SD	2.1	CV	4.4
Cd II	AV	40	SL 07	ug/l	SD	0.0	CV	0.1
Cd Ib	AV	47	SL 07	ug/l	SD	4.5	CV	9.5
Cd IIb	AV	37	SL 07	ug/l	SD	5.4	CV	14.4
Cr Ib	AV	171	SL 11	ug/l	SD	3.1	CV	1.8
Cr IIb	AV	127	SL 11	ug/l	SD	3.9	CV	3.1

91010885 L Replicate 1

Cr I	-8	SL 11	ug/l	
Cr II	-6	SL 11	ug/l	
Cd I	-1	SL 07	ug/l	
Cd II	-1	SL 07	ug/l	
Cd Ib	-2	SL 07	ug/l	Peak Offset
Cd IIb	1	SL 07	ug/l	
Cr Ib	-7	SL 11	ug/l	
Cr IIb	-4	SL 11	ug/l	

91010885 L Replicate 2

Cr I	-12	SL 11	ug/l	
Cr II	-2	SL 11	ug/l	
Cd I	-3	SL 07	ug/l	Peak Offset
Cd II	-2	SL 07	ug/l	
Cd Ib	2	SL 07	ug/l	
Cd IIb	-6	SL 07	ug/l	Peak Offset
Cr Ib	-4	SL 11	ug/l	
Cr IIb	-6	SL 11	ug/l	

Cr I	AV	-10	SL 11	ug/l	SD	3.3	CV	31.5
Cr II	AV	-4	SL 11	ug/l	SD	3.0	CV	64.9
Cd I	AV	-2	SL 07	ug/l	SD	1.1	CV	39.9
Cd II	AV	-2	SL 07	ug/l	SD	0.8	CV	39.0
Cd Ib	AV	0	SL 07	ug/l	SD	3.3	CV	915.8
Cd IIb	AV	-2	SL 07	ug/l	SD	5.2	CV	210.5
Cr Ib	AV	-5	SL 11	ug/l	SD	2.2	CV	37.7
Cr IIb	AV	-5	SL 11	ug/l	SD	1.7	CV	32.9

CCV Replicate 1

Cr I	5349	SL 11	ug/l
Cr II	4908	SL 11	ug/l
Cd I	532	SL 07	ug/l
Cd II	494	SL 07	ug/l
Cd Ib	549	SL 07	ug/l
Cd IIb	444	SL 07	ug/l
Cr Ib	5273	SL 11	ug/l
Cr IIb	4790	SL 11	ug/l

CCV Replicate 2

Cr I	5403	SL 11	ug/l		
Cr II	4959	SL 11	ug/l		
Cd I	536	SL 07	ug/l		
Cd II	489	SL 07	ug/l		
Cd Ib	538	SL 07	ug/l		
Cd IIb	436	SL 07	ug/l		
Cr Ib	5365	SL 11	ug/l		
Cr IIb	4836	SL 11	ug/l		

Cr I	AV	5376	SL 11	ug/l	SD	38.3	CV	0.7
Cr II	AV	4934	SL 11	ug/l	SD	36.0	CV	0.7
Cd I	AV	534	SL 07	ug/l	SD	2.9	CV	0.5
Cd II	AV	491	SL 07	ug/l	SD	3.7	CV	0.7
Cd Ib	AV	543	SL 07	ug/l	SD	7.7	CV	1.4
Cd IIb	AV	440	SL 07	ug/l	SD	5.1	CV	1.1
Cr Ib	AV	5319	SL 11	ug/l	SD	65.1	CV	1.2
Cr IIb	AV	4813	SL 11	ug/l	SD	32.4	CV	0.6

CCB Replicate 1

Cr I	-4	SL 11	ug/l	
Cr II	-7	SL 11	ug/l	
Cd I	0	SL 07	ug/l	
Cd II	0	SL 07	ug/l	
Cd Ib	-1	SL 07	ug/l	
Cd IIb	0	SL 07	ug/l	
Cr Ib	-13	SL 11	ug/l	Peak Offset
Cr IIb	3	SL 11	ug/l	

CCB Replicate 2

Cr I	-7	SL 11	ug/l	
Cr II	-9	SL 11	ug/l	
Cd I	0	SL 07	ug/l	
Cd II	0	SL 07	ug/l	
Cd Ib	-2	SL 07	ug/l	Peak Offset
Cd IIb	3	SL 07	ug/l	
Cr Ib	0	SL 11	ug/l	
Cr IIb	-2	SL 11	ug/l	

Cr I	AV	-5	SL 11	ug/l	SD	1.6	CV	28.5
Cr II	AV	-8	SL 11	ug/l	SD	1.8	CV	21.2
Cd I	AV	0	SL 07	ug/l	SD	0.5	CV	110.8
Cd II	AV	0	SL 07	ug/l	SD	0.4	CV	113.1
Cd Ib	AV	-1	SL 07	ug/l	SD	0.9	CV	52.7
Cd IIb	AV	2	SL 07	ug/l	SD	1.8	CV	92.4
Cr Ib	AV	-6	SL 11	ug/l	SD	9.9	CV	145.4
Cr IIb	AV	0	SL 11	ug/l	SD	4.5	CV	590.5

91010886 3 Replicate 1

Cr I	-14	SL 11	ug/l	Peak Offset
Cr II	-10	SL 11	ug/l	

Cd I	0	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l		
Cd IIb	0	SL 07	ug/l		
Cr Ib	-9	SL 11	ug/l	Peak Offset	
Cr IIb	-9	SL 11	ug/l	Peak Offset	

91010886 3 Replicate 2

Cr I	-12	SL 11	ug/l		
Cr II	-11	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	-4	SL 07	ug/l	Peak Offset	
Cd IIb	-4	SL 07	ug/l		
Cr Ib	-10	SL 11	ug/l		
Cr IIb	0	SL 11	ug/l		

Cr I	AV	-13	SL 11	ug/l	SD	1.4	CV	10.9
Cr II	AV	-10	SL 11	ug/l	SD	0.4	CV	4.3
Cd I	AV	0	SL 07	ug/l	SD	2.3	CV	306.7
Cd II	AV	0	SL 07	ug/l	SD	0.8	CV	219.0
Cd Ib	AV	-2	SL 07	ug/l	SD	3.4	CV	168.0
Cd IIb	AV	-2	SL 07	ug/l	SD	3.3	CV	158.8
Cr Ib	AV	-10	SL 11	ug/l	SD	0.6	CV	6.8
Cr IIb	AV	-5	SL 11	ug/l	SD	6.1	CV	121.4

91010887 3 Replicate 1

Cr I	-15	SL 11	ug/l		
Cr II	-18	SL 11	ug/l	Peak Offset	
Cd I	-2	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	-2	SL 07	ug/l		
Cd IIb	1	SL 07	ug/l		
Cr Ib	-18	SL 11	ug/l	Peak Offset	
Cr IIb	-3	SL 11	ug/l		

91010887 3 Replicate 2

Cr I	-14	SL 11	ug/l		
Cr II	-11	SL 11	ug/l	Peak Offset	
Cd I	-7	SL 07	ug/l	Peak Offset	
Cd II	1	SL 07	ug/l		
Cd Ib	1	SL 07	ug/l		
Cd IIb	0	SL 07	ug/l		
Cr Ib	-14	SL 11	ug/l	Peak Offset	
Cr IIb	-5	SL 11	ug/l		

Cr I	AV	-14	SL 11	ug/l	SD	0.8	CV	5.9
Cr II	AV	-15	SL 11	ug/l	SD	4.9	CV	32.6
Cd I	AV	-4	SL 07	ug/l	SD	3.4	CV	70.3
Cd II	AV	0	SL 07	ug/l	SD	0.7	CV	117.2
Cd Ib	AV	0	SL 07	ug/l	SD	2.3	CV	444.4
Cd IIb	AV	0	SL 07	ug/l	SD	1.5	CV	407.8
Cr Ib	AV	-16	SL 11	ug/l	SD	2.8	CV	17.1
Cr IIb	AV	-4	SL 11	ug/l	SD	1.2	CV	26.1

91010888 3 Replicate 1

Cr I	-12	SL 11	ug/l		
Cr II	-11	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	-4	SL 07	ug/l		
Cd Ib	-2	SL 07	ug/l	Peak Offset	
Cd IIb	1	SL 07	ug/l		
Cr Ib	-3	SL 11	ug/l		
Cr IIb	-5	SL 11	ug/l		

91010888 3 Replicate 2

Cr I	-16	SL 11	ug/l	Peak Offset	
Cr II	0	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l		
Cd IIb	-2	SL 07	ug/l	Peak Offset	
Cr Ib	-1	SL 11	ug/l	Peak Offset	
Cr IIb	-9	SL 11	ug/l		

Cr I	AV	-14	SL 11	ug/l	SD	2.4	CV	16.9
Cr II	AV	-6	SL 11	ug/l	SD	7.7	CV	127.1
Cd I	AV	2	SL 07	ug/l	SD	0.0	CV	0.3
Cd II	AV	-2	SL 07	ug/l	SD	2.9	CV	105.5
Cd Ib	AV	-1	SL 07	ug/l	SD	1.7	CV	134.4
Cd IIb	AV	0	SL 07	ug/l	SD	2.8	CV	336.3
Cr Ib	AV	-2	SL 11	ug/l	SD	1.1	CV	40.4
Cr IIb	AV	-7	SL 11	ug/l	SD	3.1	CV	41.0

91010906 PBsRD Replicate 1

Cr I	-6	SL 11	ug/l		
Cr II	-3	SL 11	ug/l		
Cd I	0	SL 07	ug/l		
Cd II	-1	SL 07	ug/l		
Cd Ib	-3	SL 07	ug/l	Peak Offset	
Cd IIb	0	SL 07	ug/l		
Cr Ib	-2	SL 11	ug/l		
Cr IIb	-15	SL 11	ug/l	Peak Offset	

91010906 PBsRD Replicate 2

Cr I	-17	SL 11	ug/l		
Cr II	-11	SL 11	ug/l	Peak Offset	
Cd I	1	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l		
Cd IIb	0	SL 07	ug/l		
Cr Ib	-11	SL 11	ug/l		
Cr IIb	3	SL 11	ug/l		

Cr I	AV	-11	SL 11	ug/l	SD	7.3	CV	61.7
Cr II	AV	-7	SL 11	ug/l	SD	5.5	CV	75.2

Cd I	AV	0	SL 07	ug/l	SD	1.2	CV	240.1
Cd II	AV	-1	SL 07	ug/l	SD	0.2	CV	26.1
Cd Ib	AV	-2	SL 07	ug/l	SD	2.0	CV	97.8
Cd IIb	AV	0	SL 07	ug/l	SD	1.2	CV>	999
Cr Ib	AV	-6	SL 11	ug/l	SD	6.2	CV	92.5
Cr IIb	AV	-6	SL 11	ug/l	SD	13.2	CV	209.6

91010907 LCSs Replicate 1

Cr I	191	SL 11	ug/l	
Cr II	170	SL 11	ug/l	
Cd I	48	SL 07	ug/l	
Cd II	42	SL 07	ug/l	
Cd Ib	53	SL 07	ug/l	
Cd IIb	43	SL 07	ug/l	
Cr Ib	190	SL 11	ug/l	
Cr IIb	148	SL 11	ug/l	

91010907 LCSs Replicate 2

Cr I	180	SL 11	ug/l	
Cr II	165	SL 11	ug/l	
Cd I	45	SL 07	ug/l	
Cd II	38	SL 07	ug/l	
Cd Ib	50	SL 07	ug/l	
Cd IIb	43	SL 07	ug/l	
Cr Ib	184	SL 11	ug/l	
Cr IIb	137	SL 11	ug/l	

Cr I	AV	186	SL 11	ug/l	SD	7.6	CV	4.0
Cr II	AV	167	SL 11	ug/l	SD	4.0	CV	2.3
Cd I	AV	46	SL 07	ug/l	SD	1.7	CV	3.8
Cd II	AV	40	SL 07	ug/l	SD	2.6	CV	6.5
Cd Ib	AV	52	SL 07	ug/l	SD	2.7	CV	5.2
Cd IIb	AV	43	SL 07	ug/l	SD	0.2	CV	0.6
Cr Ib	AV	187	SL 11	ug/l	SD	4.5	CV	2.4
Cr IIb	AV	143	SL 11	ug/l	SD	7.8	CV	5.4

91010889 3s Replicate 1

Cr I	470	SL 11	ug/l	
Cr II	434	SL 11	ug/l	
Cd I	16	SL 07	ug/l	Peak Offset
Cd II	15	SL 07	ug/l	Peak Offset
Cd Ib	-33	SL 07	ug/l	Peak Offset
Cd IIb	-241	SL 07	ug/l	Peak Offset
Cr Ib	473	SL 11	ug/l	
Cr IIb	355	SL 11	ug/l	

91010889 3s Replicate 2

Cr I	482	SL 11	ug/l	
Cr II	437	SL 11	ug/l	
Cd I	15	SL 07	ug/l	Peak Offset
Cd II	10	SL 07	ug/l	Peak Offset
Cd Ib	-27	SL 07	ug/l	Peak Offset

Cd IIb	-246	SL 07	ug/l	Peak Offset	
Cr Ib	448	SL 11	ug/l		
Cr IIb	361	SL 11	ug/l		

Cr I	AV	476	SL 11	ug/l	SD	8.7	CV	1.8
Cr II	AV	436	SL 11	ug/l	SD	2.1	CV	0.4
Cd I	AV	16	SL 07	ug/l	SD	0.7	CV	4.7
Cd II	AV	13	SL 07	ug/l	SD	3.3	CV	25.3
Cd Ib	AV	-30	SL 07	ug/l	SD	3.8	CV	12.6
Cd IIb	AV	-244	SL 07	ug/l	SD	3.6	CV	1.4
Cr Ib	AV	460	SL 11	ug/l	SD	17.8	CV	3.8
Cr IIb	AV	358	SL 11	ug/l	SD	4.0	CV	1.1

91010890 3s Replicate 1

Cr I	135	SL 11	ug/l	Peak Offset
Cr II	130	SL 11	ug/l	Peak Offset
Cd I	13	SL 07	ug/l	Peak Offset
Cd II	13	SL 07	ug/l	Peak Offset
Cd Ib	-6	SL 07	ug/l	
Cd IIb	-175	SL 07	ug/l	Peak Offset
Cr Ib	146	SL 11	ug/l	
Cr IIb	99	SL 11	ug/l	

91010890 3s Replicate 2

Cr I	137	SL 11	ug/l	Peak Offset
Cr II	124	SL 11	ug/l	Peak Offset
Cd I	16	SL 07	ug/l	Peak Offset
Cd II	13	SL 07	ug/l	Peak Offset
Cd Ib	-4	SL 07	ug/l	
Cd IIb	-166	SL 07	ug/l	
Cr Ib	151	SL 11	ug/l	
Cr IIb	90	SL 11	ug/l	

Cr I	AV	136	SL 11	ug/l	SD	1.5	CV	1.1
Cr II	AV	127	SL 11	ug/l	SD	4.4	CV	3.4
Cd I	AV	15	SL 07	ug/l	SD	2.4	CV	16.3
Cd II	AV	13	SL 07	ug/l	SD	0.5	CV	3.8
Cd Ib	AV	-5	SL 07	ug/l	SD	1.4	CV	25.1
Cd IIb	AV	-171	SL 07	ug/l	SD	6.7	CV	3.9
Cr Ib	AV	148	SL 11	ug/l	SD	3.3	CV	2.2
Cr IIb	AV	95	SL 11	ug/l	SD	6.7	CV	7.1

91010891 3s Replicate 1

Cr I	321	SL 11	ug/l	
Cr II	278	SL 11	ug/l	
Cd I	19	SL 07	ug/l	Peak Offset
Cd II	17	SL 07	ug/l	Peak Offset
Cd Ib	-17	SL 07	ug/l	
Cd IIb	-280	SL 07	ug/l	Peak Offset
Cr Ib	298	SL 11	ug/l	
Cr IIb	218	SL 11	ug/l	

91010891 3s Replicate 2

Cr I	318	SL 11	ug/l	
Cr II	289	SL 11	ug/l	
Cd I	14	SL 07	ug/l	Peak Offset
Cd II	42	SL 07	ug/l	
Cd Ib	-10	SL 07	ug/l	
Cd IIb	-280	SL 07	ug/l	Peak Offset
Cr Ib	311	SL 11	ug/l	
Cr IIb	224	SL 11	ug/l	

Cr I	AV	320	SL 11	ug/l	SD	2.2	CV	0.6
Cr II	AV	283	SL 11	ug/l	SD	7.1	CV	2.5
Cd I	AV	16	SL 07	ug/l	SD	3.1	CV	18.6
Cd II	AV	30	SL 07	ug/l	SD	18.0	CV	60.1
Cd Ib	AV	-14	SL 07	ug/l	SD	4.9	CV	34.3
Cd IIb	AV	-280	SL 07	ug/l	SD	0.2	CV	0.0
Cr Ib	AV	305	SL 11	ug/l	SD	9.3	CV	3.0
Cr IIb	AV	221	SL 11	ug/l	SD	4.1	CV	1.8

91010892 3s Replicate 1

Cr I	345	SL 11	ug/l	
Cr II	304	SL 11	ug/l	
Cd I	21	SL 07	ug/l	Peak Offset
Cd II	18	SL 07	ug/l	Peak Offset
Cd Ib	-8	SL 07	ug/l	
Cd IIb	-275	SL 07	ug/l	Peak Offset
Cr Ib	325	SL 11	ug/l	
Cr IIb	247	SL 11	ug/l	

91010892 3s Replicate 2

Cr I	333	SL 11	ug/l	
Cr II	315	SL 11	ug/l	
Cd I	46	SL 07	ug/l	
Cd II	19	SL 07	ug/l	Peak Offset
Cd Ib	-29	SL 07	ug/l	Peak Offset
Cd IIb	-275	SL 07	ug/l	Peak Offset
Cr Ib	319	SL 11	ug/l	
Cr IIb	233	SL 11	ug/l	

Cr I	AV	339	SL 11	ug/l	SD	8.2	CV	2.4
Cr II	AV	309	SL 11	ug/l	SD	7.7	CV	2.4
Cd I	AV	34	SL 07	ug/l	SD	17.2	CV	50.4
Cd II	AV	18	SL 07	ug/l	SD	0.4	CV	2.3
Cd Ib	AV	-18	SL 07	ug/l	SD	14.3	CV	76.0
Cd IIb	AV	-275	SL 07	ug/l	SD	0.0	CV	0.0
Cr Ib	AV	322	SL 11	ug/l	SD	4.0	CV	1.2
Cr IIb	AV	240	SL 11	ug/l	SD	10.0	CV	4.1

91010893 3s Replicate 1

Cr I	104	SL 11	ug/l	
Cr II	105	SL 11	ug/l	
Cd I	8	SL 07	ug/l	Peak Offset
Cd II	15	SL 07	ug/l	
Cd Ib	-6	SL 07	ug/l	Peak Offset

Cd IIb	-72	SL 07	ug/l	Peak Offset	
Cr Ib	118	SL 11	ug/l		
Cr IIb	89	SL 11	ug/l		

91010893 3s Replicate 2

Cr I	118	SL 11	ug/l
Cr II	99	SL 11	ug/l
Cd I	16	SL 07	ug/l
Cd II	16	SL 07	ug/l
Cd Ib	0	SL 07	ug/l
Cd IIb	-65	SL 07	ug/l
Cr Ib	116	SL 11	ug/l
Cr IIb	88	SL 11	ug/l

Cr I	AV	111	SL 11	ug/l	SD	9.6	CV	8.6
Cr II	AV	102	SL 11	ug/l	SD	3.9	CV	3.8
Cd I	AV	12	SL 07	ug/l	SD	5.8	CV	47.8
Cd II	AV	16	SL 07	ug/l	SD	0.8	CV	4.9
Cd Ib	AV	-3	SL 07	ug/l	SD	4.1	CV	116.4
Cd IIb	AV	-69	SL 07	ug/l	SD	5.2	CV	7.5
Cr Ib	AV	117	SL 11	ug/l	SD	1.1	CV	0.9
Cr IIb	AV	88	SL 11	ug/l	SD	0.8	CV	0.9

CCV Replicate 1

Cr I	5686	SL 11	ug/l
Cr II	5116	SL 11	ug/l
Cd I	584	SL 07	ug/l
Cd II	515	SL 07	ug/l
Cd Ib	563	SL 07	ug/l
Cd IIb	457	SL 07	ug/l
Cr Ib	5537	SL 11	ug/l
Cr IIb	5028	SL 11	ug/l

CCV Replicate 2

Cr I	5627	SL 11	ug/l
Cr II	5139	SL 11	ug/l
Cd I	569	SL 07	ug/l
Cd II	509	SL 07	ug/l
Cd Ib	559	SL 07	ug/l
Cd IIb	449	SL 07	ug/l
Cr Ib	5481	SL 11	ug/l
Cr IIb	4965	SL 11	ug/l

Cr I	AV	5656	SL 11	ug/l	SD	41.1	CV	0.7
Cr II	AV	5127	SL 11	ug/l	SD	16.7	CV	0.3
Cd I	AV	576	SL 07	ug/l	SD	10.6	CV	1.8
Cd II	AV	512	SL 07	ug/l	SD	4.1	CV	0.8
Cd Ib	AV	561	SL 07	ug/l	SD	2.5	CV	0.4
Cd IIb	AV	453	SL 07	ug/l	SD	5.2	CV	1.1
Cr Ib	AV	5509	SL 11	ug/l	SD	39.1	CV	0.7
Cr IIb	AV	4997	SL 11	ug/l	SD	44.7	CV	0.8

CCB Replicate 1

Cr I	-8	SL 11	ug/l		
Cr II	-6	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	5	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l	Peak Offset	
Cd IIb	-5	SL 07	ug/l	Peak Offset	
Cr Ib	-15	SL 11	ug/l		
Cr IIb	0	SL 11	ug/l		

CCB Replicate 2

Cr I	-19	SL 11	ug/l	Peak Offset	
Cr II	-4	SL 11	ug/l		
Cd I	0	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l		
Cd IIb	0	SL 07	ug/l		
Cr Ib	4	SL 11	ug/l		
Cr IIb	0	SL 11	ug/l		

Cr I	AV	-14	SL 11	ug/l	SD	7.7	CV	54.5
Cr II	AV	-5	SL 11	ug/l	SD	1.8	CV	35.0
Cd I	AV	1	SL 07	ug/l	SD	1.6	CV	137.2
Cd II	AV	2	SL 07	ug/l	SD	4.6	CV	192.2
Cd Ib	AV	0	SL 07	ug/l	SD	0.6	CV	117.5
Cd IIb	AV	-2	SL 07	ug/l	SD	3.8	CV	162.8
Cr Ib	AV	-5	SL 11	ug/l	SD	14.1	CV	247.7
Cr IIb	AV	0	SL 11	ug/l	SD	0.6	CV	172.7

91010894 3s Replicate 1

Cr I	219	SL 11	ug/l		
Cr II	188	SL 11	ug/l		
Cd I	41	SL 07	ug/l		
Cd II	12	SL 07	ug/l	Peak Offset	
Cd Ib	-1	SL 07	ug/l		
Cd IIb	-189	SL 07	ug/l		
Cr Ib	212	SL 11	ug/l		
Cr IIb	142	SL 11	ug/l		

91010894 3s Replicate 2

Cr I	228	SL 11	ug/l		
Cr II	202	SL 11	ug/l		
Cd I	17	SL 07	ug/l	Peak Offset	
Cd II	31	SL 07	ug/l		
Cd Ib	-10	SL 07	ug/l		
Cd IIb	-201	SL 07	ug/l	Peak Offset	
Cr Ib	220	SL 11	ug/l		
Cr IIb	156	SL 11	ug/l		

Cr I	AV	224	SL 11	ug/l	SD	6.5	CV	2.9
Cr II	AV	195	SL 11	ug/l	SD	10.3	CV	5.2
Cd I	AV	29	SL 07	ug/l	SD	16.7	CV	56.9
Cd II	AV	21	SL 07	ug/l	SD	13.4	CV	61.5
Cd Ib	AV	-6	SL 07	ug/l	SD	6.1	CV	100.1

Cd IIb	AV	-195	SL 07	ug/l	SD	8.6	CV	4.4
Cr Ib	AV	216	SL 11	ug/l	SD	5.3	CV	2.4
Cr IIb	AV	149	SL 11	ug/l	SD	9.8	CV	6.5

91010895 3s Replicate 1

Cr I	369	SL 11	ug/l	
Cr II	320	SL 11	ug/l	
Cd I	17	SL 07	ug/l	Peak Offset
Cd II	15	SL 07	ug/l	Peak Offset
Cd Ib	-29	SL 07	ug/l	Peak Offset
Cd IIb	-239	SL 07	ug/l	Peak Offset
Cr Ib	333	SL 11	ug/l	
Cr IIb	257	SL 11	ug/l	

91010895 3s Replicate 2

Cr I	357	SL 11	ug/l	
Cr II	313	SL 11	ug/l	
Cd I	17	SL 07	ug/l	Peak Offset
Cd II	15	SL 07	ug/l	Peak Offset
Cd Ib	-31	SL 07	ug/l	Peak Offset
Cd IIb	-236	SL 07	ug/l	Peak Offset
Cr Ib	342	SL 11	ug/l	
Cr IIb	262	SL 11	ug/l	

Cr I	AV	363	SL 11	ug/l	SD	8.1	CV	2.2
Cr II	AV	317	SL 11	ug/l	SD	4.4	CV	1.3
Cd I	AV	17	SL 07	ug/l	SD	0.0	CV	0.4
Cd II	AV	15	SL 07	ug/l	SD	0.0	CV	0.1
Cd Ib	AV	-30	SL 07	ug/l	SD	1.5	CV	5.2
Cd IIb	AV	-238	SL 07	ug/l	SD	2.6	CV	1.0
Cr Ib	AV	337	SL 11	ug/l	SD	6.4	CV	1.8
Cr IIb	AV	260	SL 11	ug/l	SD	3.5	CV	1.3

91010896 3s Replicate 1

Cr I	184	SL 11	ug/l	
Cr II	158	SL 11	ug/l	
Cd I	1	SL 07	ug/l	Peak Offset
Cd II	10	SL 07	ug/l	
Cd Ib	-11	SL 07	ug/l	Peak Offset
Cd IIb	-81	SL 07	ug/l	
Cr Ib	163	SL 11	ug/l	
Cr IIb	125	SL 11	ug/l	

91010896 3s Replicate 2

Cr I	177	SL 11	ug/l	
Cr II	147	SL 11	ug/l	
Cd I	13	SL 07	ug/l	
Cd II	10	SL 07	ug/l	
Cd Ib	-11	SL 07	ug/l	Peak Offset
Cd IIb	-86	SL 07	ug/l	Peak Offset
Cr Ib	167	SL 11	ug/l	
Cr IIb	136	SL 11	ug/l	

Cr I	AV	181	SL	11	ug/l	SD	5.2	CV	2.8
Cr II	AV	152	SL	11	ug/l	SD	7.7	CV	5.0
Cd I	AV	7	SL	07	ug/l	SD	8.4	CV	110.9
Cd II	AV	10	SL	07	ug/l	SD	0.2	CV	2.0
Cd Ib	AV	-11	SL	07	ug/l	SD	0.0	CV	0.7
Cd IIb	AV	-84	SL	07	ug/l	SD	3.6	CV	4.3
Cr Ib	AV	165	SL	11	ug/l	SD	3.1	CV	1.8
Cr IIb	AV	130	SL	11	ug/l	SD	7.5	CV	5.7

91010897 3s Replicate 1

Cr I	164	SL	11	ug/l	
Cr II	164	SL	11	ug/l	
Cd I	11	SL	07	ug/l	Peak Offset
Cd II	9	SL	07	ug/l	Peak Offset
Cd Ib	-8	SL	07	ug/l	Peak Offset
Cd IIb	-135	SL	07	ug/l	Peak Offset
Cr Ib	175	SL	11	ug/l	
Cr IIb	120	SL	11	ug/l	

91010897 3s Replicate 2

Cr I	173	SL	11	ug/l	
Cr II	165	SL	11	ug/l	
Cd I	29	SL	07	ug/l	
Cd II	5	SL	07	ug/l	Peak Offset
Cd Ib	-6	SL	07	ug/l	
Cd IIb	-132	SL	07	ug/l	
Cr Ib	166	SL	11	ug/l	
Cr IIb	133	SL	11	ug/l	

Cr I	AV	169	SL	11	ug/l	SD	6.7	CV	4.0
Cr II	AV	165	SL	11	ug/l	SD	1.0	CV	0.6
Cd I	AV	20	SL	07	ug/l	SD	13.3	CV	65.1
Cd II	AV	7	SL	07	ug/l	SD	2.5	CV	33.2
Cd Ib	AV	-7	SL	07	ug/l	SD	1.7	CV	23.3
Cd IIb	AV	-134	SL	07	ug/l	SD	1.9	CV	1.4
Cr Ib	AV	171	SL	11	ug/l	SD	6.3	CV	3.7
Cr IIb	AV	127	SL	11	ug/l	SD	9.0	CV	7.0

91010904 Ss Replicate 1

Cr I	340	SL	11	ug/l
Cr II	307	SL	11	ug/l
Cd I	70	SL	07	ug/l
Cd II	65	SL	07	ug/l
Cd Ib	50	SL	07	ug/l
Cd IIb	-72	SL	07	ug/l
Cr Ib	345	SL	11	ug/l
Cr IIb	254	SL	11	ug/l

91010904 Ss Replicate 2

Cr I	344	SL	11	ug/l
Cr II	324	SL	11	ug/l

Cd I	69	SL 07	ug/l		
Cd II	67	SL 07	ug/l		
Cd Ib	45	SL 07	ug/l		
Cd IIb	-76	SL 07	ug/l		
Cr Ib	343	SL 11	ug/l		
Cr IIb	242	SL 11	ug/l		

Cr I	AV	342	SL 11	ug/l	SD	3.0	CV	0.8
Cr II	AV	315	SL 11	ug/l	SD	12.3	CV	3.9
Cd I	AV	70	SL 07	ug/l	SD	0.5	CV	0.8
Cd II	AV	66	SL 07	ug/l	SD	1.8	CV	2.7
Cd Ib	AV	48	SL 07	ug/l	SD	3.7	CV	7.7
Cd IIb	AV	-74	SL 07	ug/l	SD	2.5	CV	3.4
Cr Ib	AV	344	SL 11	ug/l	SD	0.9	CV	0.2
Cr IIb	AV	248	SL 11	ug/l	SD	8.6	CV	3.5

91010905 DSs Replicate 1

Cr I	527	SL 11	ug/l	
Cr II	467	SL 11	ug/l	
Cd I	79	SL 07	ug/l	
Cd II	67	SL 07	ug/l	
Cd Ib	45	SL 07	ug/l	
Cd IIb	-94	SL 07	ug/l	
Cr Ib	523	SL 11	ug/l	
Cr IIb	411	SL 11	ug/l	

91010905 DSs Replicate 2

Cr I	524	SL 11	ug/l	
Cr II	485	SL 11	ug/l	
Cd I	74	SL 07	ug/l	
Cd II	71	SL 07	ug/l	
Cd Ib	46	SL 07	ug/l	
Cd IIb	-103	SL 07	ug/l	Peak Offset
Cr Ib	527	SL 11	ug/l	
Cr IIb	416	SL 11	ug/l	

Cr I	AV	526	SL 11	ug/l	SD	1.8	CV	0.3
Cr II	AV	476	SL 11	ug/l	SD	12.4	CV	2.6
Cd I	AV	76	SL 07	ug/l	SD	3.4	CV	4.5
Cd II	AV	69	SL 07	ug/l	SD	2.7	CV	3.9
Cd Ib	AV	46	SL 07	ug/l	SD	1.0	CV	2.3
Cd IIb	AV	-99	SL 07	ug/l	SD	6.6	CV	6.6
Cr Ib	AV	525	SL 11	ug/l	SD	2.6	CV	0.5
Cr IIb	AV	414	SL 11	ug/l	SD	4.0	CV	0.9

91010897 L Replicate 1

Cr I	3	SL 11	ug/l
Cr II	12	SL 11	ug/l
Cd I	4	SL 07	ug/l
Cd II	-1	SL 07	ug/l
Cd Ib	0	SL 07	ug/l
Cd IIb	-13	SL 07	ug/l
Cr Ib	16	SL 11	ug/l
Cr IIb	13	SL 11	ug/l

91010897 L Replicate 2

Cr I	9	SL 11	ug/l	
Cr II	5	SL 11	ug/l	Peak Offset
Cd I	-5	SL 07	ug/l	Peak Offset
Cd II	-1	SL 07	ug/l	
Cd Ib	-3	SL 07	ug/l	Peak Offset
Cd IIb	-17	SL 07	ug/l	Peak Offset
Cr Ib	8	SL 11	ug/l	
Cr IIb	3	SL 11	ug/l	

Cr I	AV	6	SL 11	ug/l	SD	4.2	CV	61.0
Cr II	AV	8	SL 11	ug/l	SD	5.1	CV	59.1
Cd I	AV	0	SL 07	ug/l	SD	6.6	CV>	999
Cd II	AV	-1	SL 07	ug/l	SD	0.3	CV	22.4
Cd Ib	AV	-2	SL 07	ug/l	SD	1.8	CV	86.4
Cd IIb	AV	-15	SL 07	ug/l	SD	2.4	CV	15.8
Cr Ib	AV	12	SL 11	ug/l	SD	5.7	CV	46.0
Cr IIb	AV	8	SL 11	ug/l	SD	6.6	CV	76.6

91010898 3s Replicate 1

Cr I	467	SL 11	ug/l	
Cr II	433	SL 11	ug/l	
Cd I	16	SL 07	ug/l	Peak Offset
Cd II	15	SL 07	ug/l	Peak Offset
Cd Ib	-11	SL 07	ug/l	
Cd IIb	-240	SL 07	ug/l	Peak Offset
Cr Ib	460	SL 11	ug/l	
Cr IIb	373	SL 11	ug/l	

91010898 3s Replicate 2

Cr I	468	SL 11	ug/l	
Cr II	427	SL 11	ug/l	
Cd I	14	SL 07	ug/l	Peak Offset
Cd II	13	SL 07	ug/l	Peak Offset
Cd Ib	-28	SL 07	ug/l	Peak Offset
Cd IIb	-241	SL 07	ug/l	Peak Offset
Cr Ib	478	SL 11	ug/l	
Cr IIb	378	SL 11	ug/l	

Cr I	AV	467	SL 11	ug/l	SD	1.0	CV	0.2
Cr II	AV	430	SL 11	ug/l	SD	4.2	CV	0.9
Cd I	AV	15	SL 07	ug/l	SD	1.3	CV	8.4
Cd II	AV	14	SL 07	ug/l	SD	1.4	CV	10.2
Cd Ib	AV	-19	SL 07	ug/l	SD	11.5	CV	58.0
Cd IIb	AV	-241	SL 07	ug/l	SD	0.7	CV	0.3
Cr Ib	AV	469	SL 11	ug/l	SD	13.3	CV	2.8
Cr IIb	AV	376	SL 11	ug/l	SD	3.4	CV	0.9

91010899 3s Replicate 1

Cr I	455	SL 11	ug/l	
Cr II	417	SL 11	ug/l	

Cd I	10	SL 07	ug/l	Peak Offset
Cd II	9	SL 07	ug/l	Peak Offset
Cd Ib	-9	SL 07	ug/l	
Cd IIb	-206	SL 07	ug/l	Peak Offset
Cr Ib	440	SL 11	ug/l	
Cr IIb	358	SL 11	ug/l	

91010899 3s Replicate 2

Cr I	458	SL 11	ug/l	
Cr II	414	SL 11	ug/l	
Cd I	17	SL 07	ug/l	Peak Offset
Cd II	6	SL 07	ug/l	Peak Offset
Cd Ib	-10	SL 07	ug/l	
Cd IIb	-200	SL 07	ug/l	Peak Offset
Cr Ib	454	SL 11	ug/l	
Cr IIb	369	SL 11	ug/l	

Cr I	AV	456	SL 11	ug/l	SD	1.5	CV	0.3
Cr II	AV	416	SL 11	ug/l	SD	1.8	CV	0.4
Cd I	AV	14	SL 07	ug/l	SD	4.9	CV	34.8
Cd II	AV	7	SL 07	ug/l	SD	2.4	CV	30.8
Cd Ib	AV	-10	SL 07	ug/l	SD	0.4	CV	4.2
Cd IIb	AV	-203	SL 07	ug/l	SD	3.5	CV	1.7
Cr Ib	AV	447	SL 11	ug/l	SD	9.6	CV	2.1
Cr IIb	AV	364	SL 11	ug/l	SD	7.8	CV	2.1

CCV Replicate 1

Cr I	5578	SL 11	ug/l
Cr II	5125	SL 11	ug/l
Cd I	558	SL 07	ug/l
Cd II	500	SL 07	ug/l
Cd Ib	543	SL 07	ug/l
Cd IIb	452	SL 07	ug/l
Cr Ib	5494	SL 11	ug/l
Cr IIb	4912	SL 11	ug/l

CCV Replicate 2

Cr I	5526	SL 11	ug/l
Cr II	4933	SL 11	ug/l
Cd I	547	SL 07	ug/l
Cd II	500	SL 07	ug/l
Cd Ib	553	SL 07	ug/l
Cd IIb	448	SL 07	ug/l
Cr Ib	5384	SL 11	ug/l
Cr IIb	4862	SL 11	ug/l

Cr I	AV	5552	SL 11	ug/l	SD	36.1	CV	0.6
Cr II	AV	5029	SL 11	ug/l	SD	136.1	CV	2.7
Cd I	AV	552	SL 07	ug/l	SD	8.1	CV	1.4
Cd II	AV	500	SL 07	ug/l	SD	0.0	CV	0.0
Cd Ib	AV	548	SL 07	ug/l	SD	7.3	CV	1.3
Cd IIb	AV	450	SL 07	ug/l	SD	2.7	CV	0.6
Cr Ib	AV	5439	SL 11	ug/l	SD	78.2	CV	1.4
Cr IIb	AV	4887	SL 11	ug/l	SD	35.3	CV	0.7

CCB Replicate 1

Cr I	-6	SL 11	ug/l		
Cr II	-6	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	-4	SL 07	ug/l		
Cd Ib	1	SL 07	ug/l		
Cd IIb	0	SL 07	ug/l		
Cr Ib	-13	SL 11	ug/l	Peak Offset	
Cr IIb	1	SL 11	ug/l		

CCB Replicate 2

Cr I	-17	SL 11	ug/l	Peak Offset	
Cr II	-4	SL 11	ug/l		
Cd I	2	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	-1	SL 07	ug/l		
Cd IIb	-1	SL 07	ug/l		
Cr Ib	-12	SL 11	ug/l	Peak Offset	
Cr IIb	-12	SL 11	ug/l	Peak Offset	

Cr I	AV	-11	SL 11	ug/l	SD	7.5	CV	64.1
Cr II	AV	-5	SL 11	ug/l	SD	1.3	CV	22.6
Cd I	AV	2	SL 07	ug/l	SD	0.2	CV	12.3
Cd II	AV	-2	SL 07	ug/l	SD	2.9	CV	114.5
Cd Ib	AV	0	SL 07	ug/l	SD	2.0	CV	777.8
Cd IIb	AV	0	SL 07	ug/l	SD	1.3	CV	233.8
Cr Ib	AV	-13	SL 11	ug/l	SD	0.7	CV	5.7
Cr IIb	AV	-5	SL 11	ug/l	SD	9.8	CV	178.2

91010910/958PB Replicate 1

Cr I	-8	SL 11	ug/l		
Cr II	-12	SL 11	ug/l	Peak Offset	
Cd I	0	SL 07	ug/l		
Cd II	-2	SL 07	ug/l		
Cd Ib	0	SL 07	ug/l		
Cd IIb	-2	SL 07	ug/l		
Cr Ib	-11	SL 11	ug/l	Peak Offset	
Cr IIb	-5	SL 11	ug/l		

91010910/958PB Replicate 2

Cr I	-8	SL 11	ug/l		
Cr II	0	SL 11	ug/l		
Cd I	0	SL 07	ug/l		
Cd II	0	SL 07	ug/l		
Cd Ib	3	SL 07	ug/l		
Cd IIb	-1	SL 07	ug/l		
Cr Ib	-9	SL 11	ug/l	Peak Offset	
Cr IIb	-2	SL 11	ug/l		

Cr I	AV	-8	SL 11	ug/l	SD	0.0	CV	0.8
Cr II	AV	-6	SL 11	ug/l	SD	8.3	CV	124.4

Cd I	AV	0	SL	07	ug/l	SD	0.3	CV	349.4
Cd II	AV	-1	SL	07	ug/l	SD	1.2	CV	73.0
Cd Ib	AV	1	SL	07	ug/l	SD	2.8	CV	166.8
Cd IIb	AV	-2	SL	07	ug/l	SD	0.9	CV	41.7
Cr Ib	AV	-10	SL	11	ug/l	SD	1.3	CV	12.6
Cr IIb	AV	-4	SL	11	ug/l	SD	1.9	CV	44.1

91010911/959LC Replicate 1

Cr I	191	SL	11	ug/l
Cr II	175	SL	11	ug/l
Cd I	51	SL	07	ug/l
Cd II	42	SL	07	ug/l
Cd Ib	45	SL	07	ug/l
Cd IIb	41	SL	07	ug/l
Cr Ib	196	SL	11	ug/l
Cr IIb	148	SL	11	ug/l

91010911/959LC Replicate 2

Cr I	197	SL	11	ug/l
Cr II	173	SL	11	ug/l
Cd I	47	SL	07	ug/l
Cd II	44	SL	07	ug/l
Cd Ib	51	SL	07	ug/l
Cd IIb	42	SL	07	ug/l
Cr Ib	197	SL	11	ug/l
Cr IIb	162	SL	11	ug/l

Cr I	AV	194	SL	11	ug/l	SD	4.2	CV	2.2
Cr II	AV	174	SL	11	ug/l	SD	1.6	CV	0.9
Cd I	AV	49	SL	07	ug/l	SD	2.2	CV	4.5
Cd II	AV	43	SL	07	ug/l	SD	0.9	CV	2.2
Cd Ib	AV	48	SL	07	ug/l	SD	4.0	CV	8.3
Cd IIb	AV	42	SL	07	ug/l	SD	0.4	CV	1.0
Cr Ib	AV	196	SL	11	ug/l	SD	0.9	CV	0.4
Cr IIb	AV	155	SL	11	ug/l	SD	10.0	CV	6.4

91010954 3s Replicate 1

Cr I	858	SL	11	ug/l
Cr II	790	SL	11	ug/l
Cd I	347	SL	07	ug/l
Cd II	302	SL	07	ug/l
Cd Ib	324	SL	07	ug/l
Cd IIb	188	SL	07	ug/l
Cr Ib	854	SL	11	ug/l
Cr IIb	774	SL	11	ug/l

91010954 3s Replicate 2

Cr I	875	SL	11	ug/l
Cr II	773	SL	11	ug/l
Cd I	346	SL	07	ug/l
Cd II	303	SL	07	ug/l
Cd Ib	317	SL	07	ug/l

		Cd IIb		188	SL	07	ug/l			
		Cr Ib		859	SL	11	ug/l			
		Cr IIb		775	SL	11	ug/l			
Cr I	AV	867	SL	11	ug/l	SD	11.6	CV	1.3	
Cr II	AV	781	SL	11	ug/l	SD	12.0	CV	1.5	
Cd I	AV	347	SL	07	ug/l	SD	0.5	CV	0.1	
Cd II	AV	303	SL	07	ug/l	SD	0.4	CV	0.1	
Cd Ib	AV	321	SL	07	ug/l	SD	5.4	CV	1.6	
Cd IIb	AV	188	SL	07	ug/l	SD	0.3	CV	0.1	
Cr Ib	AV	856	SL	11	ug/l	SD	3.1	CV	0.3	
Cr IIb	AV	775	SL	11	ug/l	SD	0.7	CV	0.1	

91010908/956 S Replicate 1

Cr I	773	SL	11 ug/l
Cr II	725	SL	11 ug/l
Cd I	333	SL	07 ug/l
Cd II	300	SL	07 ug/l
Cd Ib	312	SL	07 ug/l
Cd IIb	185	SL	07 ug/l
Cr Ib	775	SL	11 ug/l
Cr IIb	657	SL	11 ug/l

91010908/956 S Replicate 2

Cr I	776	SL	11 ug/l
Cr II	707	SL	11 ug/l
Cd I	323	SL	07 ug/l
Cd II	309	SL	07 ug/l
Cd Ib	310	SL	07 ug/l
Cd IIb	173	SL	07 ug/l
Cr Ib	768	SL	11 ug/l
Cr IIb	674	SL	11 ug/l

Cr I	AV	774	SL	11	ug/l	SD	1.4	CV	0.1	
Cr II	AV	716	SL	11	ug/l	SD	12.6	CV	1.7	
Cd I	AV	328	SL	07	ug/l	SD	7.2	CV	2.2	
Cd II	AV	305	SL	07	ug/l	SD	6.6	CV	2.1	
Cd Ib	AV	311	SL	07	ug/l	SD	1.0	CV	0.3	
Cd IIb	AV	179	SL	07	ug/l	SD	8.7	CV	4.8	
Cr Ib	AV	771	SL	11	ug/l	SD	5.0	CV	0.6	
Cr IIb	AV	665	SL	11	ug/l	SD	12.2	CV	1.8	

91010909/957 D Replicate 1

Cr I	1070	SL	11 ug/l
Cr II	972	SL	11 ug/l
Cd I	403	SL	07 ug/l
Cd II	358	SL	07 ug/l
Cd Ib	390	SL	07 ug/l
Cd IIb	251	SL	07 ug/l
Cr Ib	1012	SL	11 ug/l
Cr IIb	880	SL	11 ug/l

91010909/957 D Replicate 2

Cr I	1066	SL	11	ug/l	
Cr II	959	SL	11	ug/l	
Cd I	404	SL	07	ug/l	
Cd II	360	SL	07	ug/l	
Cd Ib	389	SL	07	ug/l	
Cd IIb	255	SL	07	ug/l	
Cr Ib	1030	SL	11	ug/l	
Cr IIb	891	SL	11	ug/l	

Cr I	AV	1068	SL	11	ug/l	SD	3.1	CV	0.2
Cr II	AV	965	SL	11	ug/l	SD	8.9	CV	0.9
Cd I	AV	404	SL	07	ug/l	SD	0.9	CV	0.2
Cd II	AV	359	SL	07	ug/l	SD	1.4	CV	0.4
Cd Ib	AV	390	SL	07	ug/l	SD	0.4	CV	0.1
Cd IIb	AV	253	SL	07	ug/l	SD	3.1	CV	1.2
Cr Ib	AV	1021	SL	11	ug/l	SD	12.6	CV	1.2
Cr IIb	AV	885	SL	11	ug/l	SD	7.8	CV	0.8

91010954 L Replicate 1

Cr I	90	SL	11	ug/l
Cr II	84	SL	11	ug/l
Cd I	41	SL	07	ug/l
Cd II	30	SL	07	ug/l
Cd Ib	37	SL	07	ug/l
Cd IIb	19	SL	07	ug/l
Cr Ib	94	SL	11	ug/l
Cr IIb	82	SL	11	ug/l

91010954 L Replicate 2

Cr I	84	SL	11	ug/l
Cr II	77	SL	11	ug/l
Cd I	38	SL	07	ug/l
Cd II	31	SL	07	ug/l
Cd Ib	31	SL	07	ug/l
Cd IIb	19	SL	07	ug/l
Cr Ib	73	SL	11	ug/l
Cr IIb	78	SL	11	ug/l

Cr I	AV	87	SL	11	ug/l	SD	4.0	CV	4.6
Cr II	AV	81	SL	11	ug/l	SD	4.7	CV	5.8
Cd I	AV	40	SL	07	ug/l	SD	2.1	CV	5.4
Cd II	AV	30	SL	07	ug/l	SD	0.4	CV	1.4
Cd Ib	AV	34	SL	07	ug/l	SD	4.0	CV	11.6
Cd IIb	AV	19	SL	07	ug/l	SD	0.2	CV	1.2
Cr Ib	AV	83	SL	11	ug/l	SD	14.7	CV	17.6
Cr IIb	AV	80	SL	11	ug/l	SD	2.7	CV	3.3

CRI Replicate 1

Cr I	4	SL	11	ug/l
Cr II	10	SL	11	ug/l
Cd I	11	SL	07	ug/l
Cd II	8	SL	07	ug/l
Cd Ib	5	SL	07	ug/l

Cd IIb	8	SL 07	ug/l	
Cr Ib	11	SL 11	ug/l	
Cr IIb	1	SL 11	ug/l	

CRI Replicate 2

Cr I	6	SL 11	ug/l	
Cr II	5	SL 11	ug/l	
Cd I	9	SL 07	ug/l	
Cd II	4	SL 07	ug/l	
Cd Ib	6	SL 07	ug/l	
Cd IIb	9	SL 07	ug/l	
Cr Ib	21	SL 11	ug/l	
Cr IIb	0	SL 11	ug/l	Peak Offset

Cr I	AV	5	SL 11	ug/l	SD	1.1	CV	21.2
Cr II	AV	7	SL 11	ug/l	SD	3.6	CV	47.4
Cd I	AV	10	SL 07	ug/l	SD	1.7	CV	16.5
Cd II	AV	6	SL 07	ug/l	SD	2.3	CV	37.3
Cd Ib	AV	5	SL 07	ug/l	SD	0.7	CV	12.2
Cd IIb	AV	8	SL 07	ug/l	SD	1.1	CV	12.7
Cr Ib	AV	16	SL 11	ug/l	SD	6.7	CV	40.7
Cr IIb	AV	1	SL 11	ug/l	SD	0.7	CV	65.2

INTWO Replicate 1

Cr I	28	SL 11	ug/l	Peak Offset
Cr II	39	SL 11	ug/l	Peak Offset
Cd I	43	SL 07	ug/l	
Cd II	45	SL 07	ug/l	
Cd Ib	-7	SL 07	ug/l	
Cd IIb	-202	SL 07	ug/l	Peak Offset
Cr Ib	-9	SL 11	ug/l	
Cr IIb	-22	SL 11	ug/l	

INTWO Replicate 2

Cr I	39	SL 11	ug/l	Peak Offset
Cr II	46	SL 11	ug/l	Peak Offset
Cd I	19	SL 07	ug/l	Peak Offset
Cd II	18	SL 07	ug/l	Peak Offset
Cd Ib	-19	SL 07	ug/l	Peak Offset
Cd IIb	-200	SL 07	ug/l	Peak Offset
Cr Ib	-1	SL 11	ug/l	
Cr IIb	-12	SL 11	ug/l	

Cr I	AV	33	SL 11	ug/l	SD	7.8	CV	23.3
Cr II	AV	42	SL 11	ug/l	SD	4.6	CV	10.8
Cd I	AV	31	SL 07	ug/l	SD	16.6	CV	53.0
Cd II	AV	31	SL 07	ug/l	SD	19.1	CV	60.1
Cd Ib	AV	-13	SL 07	ug/l	SD	8.7	CV	63.3
Cd IIb	AV	-201	SL 07	ug/l	SD	1.4	CV	0.7
Cr Ib	AV	-5	SL 11	ug/l	SD	6.0	CV	107.2
Cr IIb	AV	-17	SL 11	ug/l	SD	7.6	CV	43.7

INTW Replicate 1

Cr I	241	SL 11	ug/l	
Cr II	212	SL 11	ug/l	
Cd I	447	SL 07	ug/l	
Cd II	402	SL 07	ug/l	
Cd Ib	408	SL 07	ug/l	
Cd IIb	172	SL 07	ug/l	
Cr Ib	219	SL 11	ug/l	
Cr IIb	171	SL 11	ug/l	

INTW Replicate 2

Cr I	240	SL 11	ug/l	
Cr II	216	SL 11	ug/l	
Cd I	448	SL 07	ug/l	
Cd II	410	SL 07	ug/l	
Cd Ib	402	SL 07	ug/l	
Cd IIb	165	SL 07	ug/l	
Cr Ib	220	SL 11	ug/l	
Cr IIb	109	SL 11	ug/l	Peak Offset

Cr I	AV	241	SL 11	ug/l	SD	1.1	CV	0.4
Cr II	AV	214	SL 11	ug/l	SD	2.9	CV	1.3
Cd I	AV	448	SL 07	ug/l	SD	0.1	CV	0.0
Cd II	AV	406	SL 07	ug/l	SD	5.6	CV	1.3
Cd Ib	AV	405	SL 07	ug/l	SD	4.7	CV	1.1
Cd IIb	AV	168	SL 07	ug/l	SD	4.9	CV	2.9
Cr Ib	AV	219	SL 11	ug/l	SD	1.1	CV	0.5
Cr IIb	AV	140	SL 11	ug/l	SD	43.8	CV	31.2

CCV Replicate 1

Cr I	5416	SL 11	ug/l	
Cr II	5002	SL 11	ug/l	
Cd I	549	SL 07	ug/l	
Cd II	489	SL 07	ug/l	
Cd Ib	556	SL 07	ug/l	
Cd IIb	444	SL 07	ug/l	
Cr Ib	5291	SL 11	ug/l	
Cr IIb	4895	SL 11	ug/l	

CCV Replicate 2

Cr I	5385	SL 11	ug/l	
Cr II	4942	SL 11	ug/l	
Cd I	548	SL 07	ug/l	
Cd II	479	SL 07	ug/l	
Cd Ib	538	SL 07	ug/l	
Cd IIb	436	SL 07	ug/l	
Cr Ib	5334	SL 11	ug/l	
Cr IIb	4747	SL 11	ug/l	

Cr I	AV	5401	SL 11	ug/l	SD	21.3	CV	0.3
Cr II	AV	4972	SL 11	ug/l	SD	42.2	CV	0.8
Cd I	AV	548	SL 07	ug/l	SD	0.4	CV	0.0
Cd II	AV	484	SL 07	ug/l	SD	7.0	CV	1.4
Cd Ib	AV	547	SL 07	ug/l	SD	12.9	CV	2.3

Cd IIb	AV	440	SL 07	ug/l	SD	6.1	CV	1.4
Cr Ib	AV	5312	SL 11	ug/l	SD	30.5	CV	0.5
Cr IIb	AV	4821	SL 11	ug/l	SD	104.7	CV	2.1

CCB Replicate 1

Cr I	-13	SL 11	ug/l	Peak Offset
Cr II	-14	SL 11	ug/l	
Cd I	2	SL 07	ug/l	
Cd II	0	SL 07	ug/l	
Cd Ib	-2	SL 07	ug/l	Peak Offset
Cd IIb	-3	SL 07	ug/l	
Cr Ib	-4	SL 11	ug/l	
Cr IIb	0	SL 11	ug/l	

CCB Replicate 2

Cr I	-11	SL 11	ug/l
Cr II	-12	SL 11	ug/l
Cd I	1	SL 07	ug/l
Cd II	0	SL 07	ug/l
Cd Ib	5	SL 07	ug/l
Cd IIb	5	SL 07	ug/l
Cr Ib	-3	SL 11	ug/l
Cr IIb	6	SL 11	ug/l

Cr I	AV	-12	SL 11	ug/l	SD	1.0	CV	8.2
Cr II	AV	-13	SL 11	ug/l	SD	1.6	CV	12.5
Cd I	AV	1	SL 07	ug/l	SD	1.0	CV	57.4
Cd II	AV	0	SL 07	ug/l	SD	1.0	CV>	999
Cd Ib	AV	1	SL 07	ug/l	SD	5.4	CV	431.4
Cd IIb	AV	1	SL 07	ug/l	SD	5.9	CV	544.4
Cr Ib	AV	-3	SL 11	ug/l	SD	0.4	CV	12.2
Cr IIb	AV	2	SL 11	ug/l	SD	5.2	CV	187.0

91010954 f Replicate 1

Cr I	726	SL 11	ug/l
Cr II	680	SL 11	ug/l
Cd I	450	SL 07	ug/l
Cd II	390	SL 07	ug/l
Cd Ib	416	SL 07	ug/l
Cd IIb	282	SL 07	ug/l
Cr Ib	720	SL 11	ug/l
Cr IIb	647	SL 11	ug/l

91010954 f Replicate 2

Cr I	734	SL 11	ug/l
Cr II	668	SL 11	ug/l
Cd I	442	SL 07	ug/l
Cd II	404	SL 07	ug/l
Cd Ib	418	SL 07	ug/l
Cd IIb	273	SL 07	ug/l
Cr Ib	731	SL 11	ug/l
Cr IIb	659	SL 11	ug/l

Cr I	AV	730	SL	11	ug/l	SD	5.7	CV	0.7
Cr II	AV	674	SL	11	ug/l	SD	7.8	CV	1.1
Cd I	AV	446	SL	07	ug/l	SD	5.6	CV	1.2
Cd II	AV	397	SL	07	ug/l	SD	9.6	CV	2.4
Cd Ib	AV	417	SL	07	ug/l	SD	1.4	CV	0.3
Cd IIb	AV	277	SL	07	ug/l	SD	6.3	CV	2.2
Cr Ib	AV	726	SL	11	ug/l	SD	7.4	CV	1.0
Cr IIb	AV	653	SL	11	ug/l	SD	7.9	CV	1.2

91010954 Sf Replicate 1

Cr I	838	SL	11	ug/l
Cr II	782	SL	11	ug/l
Cd I	246	SL	07	ug/l
Cd II	220	SL	07	ug/l
Cd Ib	218	SL	07	ug/l
Cd IIb	80	SL	07	ug/l
Cr Ib	819	SL	11	ug/l
Cr IIb	737	SL	11	ug/l

91010954 Sf Replicate 2

Cr I	827	SL	11	ug/l
Cr II	767	SL	11	ug/l
Cd I	247	SL	07	ug/l
Cd II	216	SL	07	ug/l
Cd Ib	215	SL	07	ug/l
Cd IIb	69	SL	07	ug/l
Cr Ib	839	SL	11	ug/l
Cr IIb	737	SL	11	ug/l

Cr I	AV	833	SL	11	ug/l	SD	8.1	CV	0.9
Cr II	AV	775	SL	11	ug/l	SD	10.3	CV	1.3
Cd I	AV	247	SL	07	ug/l	SD	0.3	CV	0.1
Cd II	AV	218	SL	07	ug/l	SD	2.5	CV	1.1
Cd Ib	AV	216	SL	07	ug/l	SD	2.2	CV	1.0
Cd IIb	AV	75	SL	07	ug/l	SD	7.7	CV	10.3
Cr Ib	AV	829	SL	11	ug/l	SD	13.8	CV	1.6
Cr IIb	AV	737	SL	11	ug/l	SD	0.0	CV	0.0

Run Auto Mode 91/02/15 11:38

Method Name: Replicates: 2 Read Delay: 50
Print Format: All Data ID Name: ecolcd Data Name: ecolc
Remarks:

Cd I	Cd II	Cd IIb	Cd Ib

Element Name Cd I Gain 701
Element Name Cd Ib Gain 701

Standard 1 Replicate 1

Cd I	EM	107781
Cd Ib	EM	101410

Standard 1 Replicate 2

Cd I	EM	107406
Cd Ib	EM	102081

Cd I	AV	107594	SD	262.8	CV	0.2	CONC	1000	SL	07	u
Cd Ib	AV	101746	SD	473.9	CV	0.4	CONC	1000	SL	07	u

Element Name Cd II Gain 681
Element Name Cd IIb Gain 685

Standard 2 Replicate 1

Cd II	EM	92208
Cd IIb	EM	89457

Standard 2 Replicate 2

Cd II	EM	92131
Cd IIb	EM	89038

Cd II	AV	92169	SD	43.2	CV	0.0	CONC	1000	SL	07	u
Cd IIb	AV	89247	SD	293.8	CV	0.3	CONC	1000	SL	07	u

Blank Replicate 1

Cd I	EM	452
Cd II	EM	494
Cd IIb	EM	590
Cd Ib	EM	356

Blank Replicate 2

Cd I	EM	20
Cd II	EM	204
Cd IIb	EM	34
Cd Ib	EM	376

Cd I	AV	236	SD	305.4	CV	129.4	CONC	0	SL	07
Cd II	AV	349	SD	205.0	CV	58.7	CONC	0	SL	07
Cd IIb	AV	312	SD	393.1	CV	126.0	CONC	0	SL	07
Cd Ib	AV	366	SD	14.1	CV	3.8	CONC	0	SL	07

ICV ICAP Replicate 1

Cd I	898	SL 07	ug/l
Cd II	850	SL 07	ug/l
Cd IIb	857	SL 07	ug/l
Cd Ib	885	SL 07	ug/l

ICV ICAP Replicate 2

Cd I	897	SL 07	ug/l
Cd II	837	SL 07	ug/l
Cd IIb	861	SL 07	ug/l
Cd Ib	895	SL 07	ug/l

Cd I	AV	897	SL 07	ug/l	SD	0.5	CV	0.0
Cd II	AV	844	SL 07	ug/l	SD	9.1	CV	1.0
Cd IIb	AV	859	SL 07	ug/l	SD	3.2	CV	0.3
Cd Ib	AV	890	SL 07	ug/l	SD	6.8	CV	0.7

ICB Replicate 1

Cd I	3	SL 07	ug/l
Cd II	-1	SL 07	ug/l
Cd IIb	3	SL 07	ug/l
Cd Ib	1	SL 07	ug/l

ICB Replicate 2

Cd I	2	SL 07	ug/l
Cd II	-3	SL 07	ug/l
Cd IIb	0	SL 07	ug/l
Cd Ib	3	SL 07	ug/l

Cd I	AV	3	SL 07	ug/l	SD	0.5	CV	19.2
Cd II	AV	-2	SL 07	ug/l	SD	1.7	CV	68.5
Cd IIb	AV	2	SL 07	ug/l	SD	2.3	CV	116.7
Cd Ib	AV	2	SL 07	ug/l	SD	1.2	CV	47.1

CRI Replicate 1

Cd I	9	SL 07	ug/l
Cd II	5	SL 07	ug/l
Cd IIb	10	SL 07	ug/l
Cd Ib	9	SL 07	ug/l

CRI Replicate 2

Cd I	10 SL 07 ug/l	
Cd II	6 SL 07 ug/l	
Cd IIb	8 SL 07 ug/l	
Cd Ib	6 SL 07 ug/l	

Cd I	AV	9 SL 07 ug/l	SD	0.5	CV	5.7
Cd II	AV	6 SL 07 ug/l	SD	0.5	CV	9.2
Cd IIb	AV	9 SL 07 ug/l	SD	1.2	CV	12.9
Cd Ib	AV	8 SL 07 ug/l	SD	2.1	CV	25.9

INTWO Replicate 1

Cd I	38 SL 07 ug/l	Peak Offset
Cd II	37 SL 07 ug/l	Peak Offset
Cd IIb	19 SL 07 ug/l	
Cd Ib	30 SL 07 ug/l	

INTWO Replicate 2

Cd I	35 SL 07 ug/l	Peak Offset
Cd II	38 SL 07 ug/l	Peak Offset
Cd IIb	17 SL 07 ug/l	
Cd Ib	34 SL 07 ug/l	

Cd I	AV	36 SL 07 ug/l	SD	1.8	CV	5.0
Cd II	AV	37 SL 07 ug/l	SD	0.9	CV	2.4
Cd IIb	AV	18 SL 07 ug/l	SD	1.8	CV	9.9
Cd Ib	AV	32 SL 07 ug/l	SD	2.2	CV	6.9

INTW Replicate 1

Cd I	413 SL 07 ug/l
Cd II	391 SL 07 ug/l
Cd IIb	384 SL 07 ug/l
Cd Ib	411 SL 07 ug/l

INTW Replicate 2

Cd I	423 SL 07 ug/l
Cd II	396 SL 07 ug/l
Cd IIb	376 SL 07 ug/l
Cd Ib	407 SL 07 ug/l

Cd I	AV	418 SL 07 ug/l	SD	7.4	CV	1.7
Cd II	AV	393 SL 07 ug/l	SD	3.4	CV	0.8
Cd IIb	AV	380 SL 07 ug/l	SD	5.7	CV	1.5
Cd Ib	AV	409 SL 07 ug/l	SD	2.7	CV	0.6

91010906 PBsRD Replicate 1

Cd I	3 SL 07 ug/l

Cd II	0	SL 07 ug/l	Peak Offset
Cd IIb	0	SL 07 ug/l	
Cd Ib	0	SL 07 ug/l	

91010906 PBsRD Replicate 2

Cd I	0	SL 07 ug/l
Cd II	0	SL 07 ug/l
Cd IIb	-1	SL 07 ug/l
Cd Ib	0	SL 07 ug/l

Cd I	AV	1 SL 07 ug/l	SD	2.0	CV	125.0
Cd II	AV	0 SL 07 ug/l	SD	1.0	CV	367.6
Cd IIb	AV	0 SL 07 ug/l	SD	1.1	CV	331.4
Cd Ib	AV	0 SL 07 ug/l	SD	0.0	CV	9.2

91010907 LCSs Replicate 1

Cd I	43	SL 07 ug/l
Cd II	40	SL 07 ug/l
Cd IIb	42	SL 07 ug/l
Cd Ib	45	SL 07 ug/l

91010907 LCSs Replicate 2

Cd I	43	SL 07 ug/l
Cd II	40	SL 07 ug/l
Cd IIb	39	SL 07 ug/l
Cd Ib	41	SL 07 ug/l

Cd I	AV	43 SL 07 ug/l	SD	0.2	CV	0.6
Cd II	AV	40 SL 07 ug/l	SD	0.1	CV	0.3
Cd IIb	AV	40 SL 07 ug/l	SD	2.0	CV	5.0
Cd Ib	AV	43 SL 07 ug/l	SD	2.6	CV	6.2

91010889/5 3s Replicate 1

Cd I	9	SL 07 ug/l
Cd II	7	SL 07 ug/l
Cd IIb	3	SL 07 ug/l
Cd Ib	9	SL 07 ug/l

91010889/5 3s Replicate 2

Cd I	10	SL 07 ug/l
Cd II	11	SL 07 ug/l
Cd IIb	3	SL 07 ug/l
Cd Ib	12	SL 07 ug/l

Cd I	AV	10 SL 07 ug/l	SD	0.3	CV	3.2
Cd II	AV	9 SL 07 ug/l	SD	2.7	CV	27.9
Cd IIb	AV	3 SL 07 ug/l	SD	0.3	CV	10.7
Cd Ib	AV	10 SL 07 ug/l	SD	2.1	CV	20.0

91010890/5 3s Replicate 1

Cd I	6 SL 07 ug/l	Peak Offset
Cd II	3 SL 07 ug/l	Peak Offset
Cd IIb	0 SL 07 ug/l	Peak Offset
Cd Ib	1 SL 07 ug/l	

91010890/5 3s Replicate 2

Cd I	2 SL 07 ug/l	
Cd II	3 SL 07 ug/l	Peak Offset
Cd IIb	1 SL 07 ug/l	
Cd Ib	7 SL 07 ug/l	

Cd I	AV	4 SL 07 ug/l	SD	2.9	CV	63.7
Cd II	AV	3 SL 07 ug/l	SD	0.1	CV	5.0
Cd IIb	AV	0 SL 07 ug/l	SD	0.6	CV	68.2
Cd Ib	AV	4 SL 07 ug/l	SD	4.3	CV	97.2

91010891/5 3s Replicate 1

Cd I	7 SL 07 ug/l	
Cd II	5 SL 07 ug/l	Peak Offset
Cd IIb	6 SL 07 ug/l	
Cd Ib	8 SL 07 ug/l	

91010891/5 3s Replicate 2

Cd I	9 SL 07 ug/l	
Cd II	11 SL 07 ug/l	
Cd IIb	4 SL 07 ug/l	
Cd Ib	12 SL 07 ug/l	

Cd I	AV	8 SL 07 ug/l	SD	1.1	CV	13.6
Cd II	AV	8 SL 07 ug/l	SD	3.6	CV	42.8
Cd IIb	AV	5 SL 07 ug/l	SD	1.5	CV	30.1
Cd Ib	AV	10 SL 07 ug/l	SD	2.4	CV	23.2

91010892/5 3s Replicate 1

Cd I	4 SL 07 ug/l	Peak Offset
Cd II	11 SL 07 ug/l	
Cd IIb	9 SL 07 ug/l	
Cd Ib	8 SL 07 ug/l	

91010892/5 3s Replicate 2

Cd I	3 SL 07 ug/l	Peak Offset
Cd II	8 SL 07 ug/l	
Cd IIb	3 SL 07 ug/l	
Cd Ib	3 SL 07 ug/l	

Cd I	AV	4 SL 07 ug/l	SD	0.6	CV	17.1
Cd II	AV	10 SL 07 ug/l	SD	1.8	CV	17.7
Cd IIb	AV	6 SL 07 ug/l	SD	4.1	CV	67.3

Cd Ib	AV	6	SL 07	ug/l	SD	3.4	CV	54.6

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91010893/5 3s Replicate 1

Cd I	6	SL 07	ug/l
Cd II	3	SL 07	ug/l
Cd IIb	3	SL 07	ug/l
Cd Ib	-4	SL 07	ug/l Peak Offset

91010893/5 3s Replicate 2

Cd I	4	SL 07	ug/l
Cd II	5	SL 07	ug/l
Cd IIb	1	SL 07	ug/l
Cd Ib	0	SL 07	ug/l

Cd I	AV	5	SL 07	ug/l	SD	1.5	CV	26.4
Cd II	AV	4	SL 07	ug/l	SD	1.9	CV	43.4
Cd IIb	AV	2	SL 07	ug/l	SD	1.8	CV	76.0
Cd Ib	AV	-2	SL 07	ug/l	SD	3.9	CV	181.6

CCV Replicate 1

Cd I	504	SL 07	ug/l
Cd II	456	SL 07	ug/l
Cd IIb	472	SL 07	ug/l
Cd Ib	503	SL 07	ug/l

CCV Replicate 2

Cd I	499	SL 07	ug/l
Cd II	474	SL 07	ug/l
Cd IIb	469	SL 07	ug/l
Cd Ib	507	SL 07	ug/l

Cd I	AV	501	SL 07	ug/l	SD	3.8	CV	0.7
Cd II	AV	465	SL 07	ug/l	SD	12.3	CV	2.6
Cd IIb	AV	470	SL 07	ug/l	SD	1.8	CV	0.3
Cd Ib	AV	505	SL 07	ug/l	SD	3.1	CV	0.6

CCB Replicate 1

Cd I	0	SL 07	ug/l
Cd II	-2	SL 07	ug/l
Cd IIb	-8	SL 07	ug/l Peak Offset
Cd Ib	0	SL 07	ug/l

CCB Replicate 2

Cd I	1	SL 07	ug/l
Cd II	0	SL 07	ug/l
Cd IIb	4	SL 07	ug/l
Cd Ib	0	SL 07	ug/l

Cd I	AV	0	SL 07	ug/l	SD	0.8	CV	112.2
Cd II	AV	0	SL 07	ug/l	SD	2.4	CV	281.9
Cd IIb	AV	-1	SL 07	ug/l	SD	9.4	CV	476.6
Cd Ib	AV	0	SL 07	ug/l	SD	0.1	CV	41.0

91010894/5 3s Replicate 1

Cd I	10	SL 07	ug/l
Cd II	8	SL 07	ug/l
Cd IIb	2	SL 07	ug/l
Cd Ib	6	SL 07	ug/l

91010894/5 3s Replicate 2

Cd I	5	SL 07	ug/l	Peak Offset
Cd II	7	SL 07	ug/l	Peak Offset
Cd IIb	0	SL 07	ug/l	
Cd Ib	0	SL 07	ug/l	Peak Offset

Cd I	AV	8	SL 07	ug/l	SD	3.5	CV	41.9
Cd II	AV	8	SL 07	ug/l	SD	0.9	CV	11.3
Cd IIb	AV	1	SL 07	ug/l	SD	1.2	CV	87.2
Cd Ib	AV	3	SL 07	ug/l	SD	4.0	CV	114.0

91010895/5 3s Replicate 1

Cd I	9	SL 07	ug/l	
Cd II	11	SL 07	ug/l	
Cd IIb	-3	SL 07	ug/l	Peak Offset
Cd Ib	6	SL 07	ug/l	

91010895/5 3s Replicate 2

Cd I	12	SL 07	ug/l
Cd II	9	SL 07	ug/l
Cd IIb	1	SL 07	ug/l
Cd Ib	5	SL 07	ug/l

Cd I	AV	10	SL 07	ug/l	SD	1.6	CV	15.7
Cd II	AV	10	SL 07	ug/l	SD	1.9	CV	18.8
Cd IIb	AV	0	SL 07	ug/l	SD	3.2	CV	363.0
Cd Ib	AV	6	SL 07	ug/l	SD	0.7	CV	11.6

91010896/5 3s Replicate 1

Cd I	2	SL 07	ug/l
Cd II	1	SL 07	ug/l
Cd IIb	1	SL 07	ug/l
Cd Ib	4	SL 07	ug/l

91010896/5 3s Replicate 2

Cd I	1	SL 07	ug/l	
Cd II	2	SL 07	ug/l	Peak Offset

Cd IIb	0 SL 07 ug/l		
Cd Ib	-3 SL 07 ug/l	Peak Offset	

Cd I	AV	2 SL 07 ug/l	SD	0.4	CV	22.7
Cd II	AV	1 SL 07 ug/l	SD	0.4	CV	25.7
Cd IIb	AV	0 SL 07 ug/l	SD	0.8	CV	107.2
Cd Ib	AV	0 SL 07 ug/l	SD	5.5	CV>	999

91010897/5 3s Replicate 1

Cd I	7 SL 07 ug/l
Cd II	4 SL 07 ug/l
Cd IIb	7 SL 07 ug/l
Cd Ib	3 SL 07 ug/l

91010897/5 3s Replicate 2

Cd I	6 SL 07 ug/l
Cd II	8 SL 07 ug/l
Cd IIb	-3 SL 07 ug/l
Cd Ib	5 SL 07 ug/l

Cd I	AV	6 SL 07 ug/l	SD	0.8	CV	12.4
Cd II	AV	6 SL 07 ug/l	SD	2.5	CV	40.2
Cd IIb	AV	1 SL 07 ug/l	SD	7.7	CV	472.6
Cd Ib	AV	4 SL 07 ug/l	SD	1.3	CV	27.9

91010908/5 Ss Replicate 1

Cd I	14 SL 07 ug/l
Cd II	14 SL 07 ug/l
Cd IIb	10 SL 07 ug/l
Cd Ib	10 SL 07 ug/l

91010908/5 Ss Replicate 2

Cd I	17 SL 07 ug/l
Cd II	11 SL 07 ug/l
Cd IIb	9 SL 07 ug/l
Cd Ib	11 SL 07 ug/l

Cd I	AV	16 SL 07 ug/l	SD	1.8	CV	11.2
Cd II	AV	13 SL 07 ug/l	SD	1.7	CV	13.5
Cd IIb	AV	10 SL 07 ug/l	SD	0.5	CV	5.7
Cd Ib	AV	10 SL 07 ug/l	SD	0.8	CV	7.2

91010909/5 DSs Replicate 1

Cd I	16 SL 07 ug/l
Cd II	14 SL 07 ug/l
Cd IIb	5 SL 07 ug/l
Cd Ib	13 SL 07 ug/l

91010909/5 DSs Replicate 2

Cd I	16	SL 07	ug/l
Cd II	12	SL 07	ug/l
Cd IIb	12	SL 07	ug/l
Cd Ib	12	SL 07	ug/l

Cd I	AV	16	SL 07	ug/l	SD	0.0	CV	0.6
Cd II	AV	13	SL 07	ug/l	SD	1.3	CV	9.9
Cd IIb	AV	8	SL 07	ug/l	SD	4.9	CV	56.5
Cd Ib	AV	12	SL 07	ug/l	SD	0.5	CV	3.9

91010897 L Replicate 1

Cd I	5	SL 07	ug/l
Cd II	1	SL 07	ug/l
Cd IIb	3	SL 07	ug/l
Cd Ib	2	SL 07	ug/l

91010897 L Replicate 2

Cd I	-1	SL 07	ug/l	Peak Offset
Cd II	0	SL 07	ug/l	
Cd IIb	1	SL 07	ug/l	
Cd Ib	0	SL 07	ug/l	

Cd I	AV	1	SL 07	ug/l	SD	5.1	CV	293.7
Cd II	AV	1	SL 07	ug/l	SD	1.0	CV	86.8
Cd IIb	AV	2	SL 07	ug/l	SD	1.8	CV	74.4
Cd Ib	AV	1	SL 07	ug/l	SD	2.2	CV	199.2

91010898/5 3s Replicate 1

Cd I	9	SL 07	ug/l
Cd II	9	SL 07	ug/l
Cd IIb	4	SL 07	ug/l
Cd Ib	8	SL 07	ug/l

91010898/5 3s Replicate 2

Cd I	6	SL 07	ug/l	Peak Offset
Cd II	9	SL 07	ug/l	
Cd IIb	2	SL 07	ug/l	
Cd Ib	6	SL 07	ug/l	

Cd I	AV	8	SL 07	ug/l	SD	2.7	CV	33.5
Cd II	AV	9	SL 07	ug/l	SD	0.3	CV	3.2
Cd IIb	AV	3	SL 07	ug/l	SD	1.4	CV	45.9
Cd Ib	AV	7	SL 07	ug/l	SD	0.9	CV	13.0

91010899/5 3s Replicate 1

Cd I	5	SL 07	ug/l
Cd II	5	SL 07	ug/l
Cd IIb	4	SL 07	ug/l
Cd Ib	2	SL 07	ug/l

91010899/5 3s Replicate 2

Cd I	7	SL 07	ug/l
Cd II	9	SL 07	ug/l
Cd IIb	2	SL 07	ug/l
Cd Ib	8	SL 07	ug/l

Cd I	AV	6	SL 07	ug/l	SD	1.4	CV	22.3
Cd II	AV	7	SL 07	ug/l	SD	3.2	CV	43.0
Cd IIb	AV	3	SL 07	ug/l	SD	1.4	CV	47.1
Cd Ib	AV	5	SL 07	ug/l	SD	4.1	CV	75.1

CCV Replicate 1

Cd I	519	SL 07	ug/l
Cd II	493	SL 07	ug/l
Cd IIb	493	SL 07	ug/l
Cd Ib	522	SL 07	ug/l

CCV Replicate 2

Cd I	524	SL 07	ug/l
Cd II	484	SL 07	ug/l
Cd IIb	498	SL 07	ug/l
Cd Ib	516	SL 07	ug/l

Cd I	AV	521	SL 07	ug/l	SD	3.4	CV	0.6
Cd II	AV	488	SL 07	ug/l	SD	6.7	CV	1.3
Cd IIb	AV	495	SL 07	ug/l	SD	3.3	CV	0.6
Cd Ib	AV	519	SL 07	ug/l	SD	4.3	CV	0.8

CCB Replicate 1

Cd I	-3	SL 07	ug/l	Peak Offset
Cd II	-1	SL 07	ug/l	
Cd IIb	1	SL 07	ug/l	
Cd Ib	0	SL 07	ug/l	

CCB Replicate 2

Cd I	1	SL 07	ug/l
Cd II	0	SL 07	ug/l
Cd IIb	3	SL 07	ug/l
Cd Ib	-2	SL 07	ug/l

Cd I	AV	0	SL 07	ug/l	SD	3.8	CV	428.6
Cd II	AV	0	SL 07	ug/l	SD	1.2	CV	161.6
Cd IIb	AV	2	SL 07	ug/l	SD	1.3	CV	49.2
Cd Ib	AV	-1	SL 07	ug/l	SD	1.1	CV	64.0

91010910:958PB Replicate 1

Cd I	0	SL 07	ug/l

Cd II	-3	SL 07 ug/l	Peak Offset
Cd IIb	-3	SL 07 ug/l	Peak Offset
Cd Ib	2	SL 07 ug/l	

91010910:958PB Replicate 2

Cd I	3	SL 07 ug/l	
Cd II	-3	SL 07 ug/l	
Cd IIb	3	SL 07 ug/l	
Cd Ib	-4	SL 07 ug/l	

Cd I	AV	1	SL 07 ug/l	SD	2.8	CV	152.5
Cd II	AV	-3	SL 07 ug/l	SD	0.0	CV	0.9
Cd IIb	AV	0	SL 07 ug/l	SD	5.0	CV>	999
Cd Ib	AV	0	SL 07 ug/l	SD	4.6	CV	488.7

91010911:959LC Replicate 1

Cd I	51	SL 07 ug/l
Cd II	44	SL 07 ug/l
Cd IIb	48	SL 07 ug/l
Cd Ib	52	SL 07 ug/l

91010911:959LC Replicate 2

Cd I	46	SL 07 ug/l
Cd II	47	SL 07 ug/l
Cd IIb	45	SL 07 ug/l
Cd Ib	50	SL 07 ug/l

Cd I	AV	49	SL 07 ug/l	SD	3.5	CV	7.2
Cd II	AV	46	SL 07 ug/l	SD	2.3	CV	4.9
Cd IIb	AV	46	SL 07 ug/l	SD	2.6	CV	5.6
Cd Ib	AV	51	SL 07 ug/l	SD	1.7	CV	3.4

91010954/5 3s Replicate 1

Cd I	78	SL 07 ug/l
Cd II	68	SL 07 ug/l
Cd IIb	74	SL 07 ug/l
Cd Ib	68	SL 07 ug/l

91010954/5 3s Replicate 2

Cd I	78	SL 07 ug/l
Cd II	67	SL 07 ug/l
Cd IIb	68	SL 07 ug/l
Cd Ib	73	SL 07 ug/l

Cd I	AV	78	SL 07 ug/l	SD	0.5	CV	0.6
Cd II	AV	68	SL 07 ug/l	SD	0.6	CV	0.9
Cd IIb	AV	71	SL 07 ug/l	SD	4.4	CV	6.1
Cd Ib	AV	71	SL 07 ug/l	SD	3.2	CV	4.5

91010[redacted]:956/5 Replicate 1

Cd I	73 SL 07	ug/l
Cd II	66 SL 07	ug/l
Cd IIb	65 SL 07	ug/l
Cd Ib	80 SL 07	ug/l

91010[redacted]:956/5 Replicate 2

Cd I	73 SL 07	ug/l
Cd II	66 SL 07	ug/l
Cd IIb	68 SL 07	ug/l
Cd Ib	70 SL 07	ug/l

Cd I	AV	73 SL 07	ug/l	SD	0.1	CV	0.2
Cd II	AV	66 SL 07	ug/l	SD	0.1	CV	0.1
Cd IIb	AV	67 SL 07	ug/l	SD	2.0	CV	2.9
Cd Ib	AV	75 SL 07	ug/l	SD	7.2	CV	9.6

91010[redacted]:957/5 Replicate 1

Cd I	84 SL 07	ug/l
Cd II	80 SL 07	ug/l
Cd IIb	83 SL 07	ug/l
Cd Ib	83 SL 07	ug/l

91010[redacted]:957/5 Replicate 2

Cd I	87 SL 07	ug/l
Cd II	84 SL 07	ug/l
Cd IIb	83 SL 07	ug/l
Cd Ib	87 SL 07	ug/l

Cd I	AV	86 SL 07	ug/l	SD	1.7	CV	2.0
Cd II	AV	82 SL 07	ug/l	SD	2.8	CV	3.4
Cd IIb	AV	83 SL 07	ug/l	SD	0.4	CV	0.5
Cd Ib	AV	85 SL 07	ug/l	SD	2.6	CV	3.1

91010954 L Replicate 1

Cd I	40 SL 07	ug/l
Cd II	35 SL 07	ug/l
Cd IIb	37 SL 07	ug/l
Cd Ib	35 SL 07	ug/l

91010954 L Replicate 2

Cd I	40 SL 07	ug/l
Cd II	34 SL 07	ug/l
Cd IIb	35 SL 07	ug/l
Cd Ib	37 SL 07	ug/l

Cd I	AV	40 SL 07	ug/l	SD	0.2	CV	0.5
Cd II	AV	34 SL 07	ug/l	SD	0.6	CV	1.8
Cd IIb	AV	36 SL 07	ug/l	SD	1.5	CV	4.1

Cd Ib	AV	36	SL 07	ug/l	SD	1.4	CV	3.9

CRI Replicate 1

Cd I	11	SL 07	ug/l
Cd II	10	SL 07	ug/l
Cd IIb	12	SL 07	ug/l
Cd Ib	11	SL 07	ug/l

CRI Replicate 2

Cd I	7	SL 07	ug/l
Cd II	9	SL 07	ug/l
Cd IIb	9	SL 07	ug/l
Cd Ib	7	SL 07	ug/l

Cd I	AV	9	SL 07	ug/l	SD	3.1	CV	33.3
Cd II	AV	9	SL 07	ug/l	SD	0.7	CV	8.2
Cd IIb	AV	10	SL 07	ug/l	SD	2.2	CV	20.9
Cd Ib	AV	9	SL 07	ug/l	SD	2.3	CV	24.2

INTWO Replicate 1

Cd I	56	SL 07	ug/l
Cd II	60	SL 07	ug/l
Cd IIb	18	SL 07	ug/l
Cd Ib	25	SL 07	ug/l

INTWO Replicate 2

Cd I	40	SL 07	ug/l	Peak Offset
Cd II	47	SL 07	ug/l	Peak Offset
Cd IIb	12	SL 07	ug/l	
Cd Ib	29	SL 07	ug/l	

Cd I	AV	48	SL 07	ug/l	SD	10.7	CV	22.1
Cd II	AV	54	SL 07	ug/l	SD	9.2	CV	17.1
Cd IIb	AV	15	SL 07	ug/l	SD	4.6	CV	30.1
Cd Ib	AV	27	SL 07	ug/l	SD	2.8	CV	10.1

INTW Replicate 1

Cd I	439	SL 07	ug/l
Cd II	424	SL 07	ug/l
Cd IIb	399	SL 07	ug/l
Cd Ib	432	SL 07	ug/l

INTW Replicate 2

Cd I	454	SL 07	ug/l
Cd II	426	SL 07	ug/l
Cd IIb	402	SL 07	ug/l
Cd Ib	427	SL 07	ug/l

Cd I	AV	447	SL 07	ug/l	SD	11.0	CV	2.4
Cd II	AV	425	SL 07	ug/l	SD	1.1	CV	0.2
Cd IIb	AV	401	SL 07	ug/l	SD	2.3	CV	0.5
Cd Ib	AV	429	SL 07	ug/l	SD	3.2	CV	0.7

CCV Replicate 1

Cd I	544	SL 07 ug/l
Cd II	501	SL 07 ug/l
Cd IIb	520	SL 07 ug/l
Cd Ib	532	SL 07 ug/l

CCV Replicate 2

Cd I	543	SL 07 ug/l
Cd II	506	SL 07 ug/l
Cd IIb	516	SL 07 ug/l
Cd Ib	548	SL 07 ug/l

Cd I	AV	544	SL 07	ug/l	SD	0.2	CV	0.0
Cd II	AV	503	SL 07	ug/l	SD	3.5	CV	0.7
Cd IIb	AV	518	SL 07	ug/l	SD	2.4	CV	0.4
Cd Ib	AV	540	SL 07	ug/l	SD	10.9	CV	2.0

CCB Replicate 1

Cd I	3	SL 07 ug/l
Cd II	-4	SL 07 ug/l
Cd IIb	0	SL 07 ug/l
Cd Ib	-1	SL 07 ug/l

CCB Replicate 2

Cd I	0	SL 07 ug/l
Cd II	0	SL 07 ug/l
Cd IIb	0	SL 07 ug/l
Cd Ib	1	SL 07 ug/l

Cd I	AV	2	SL 07	ug/l	SD	1.6	CV	81.5
Cd II	AV	-2	SL 07	ug/l	SD	3.7	CV	175.7
Cd IIb	AV	0	SL 07	ug/l	SD	0.3	CV	68.6
Cd Ib	AV	0	SL 07	ug/l	SD	2.0	CV>	999

Sample 37 Replicate 1

Cd I	-1	SL 07 ug/l
Cd II	-2	SL 07 ug/lPeak Offset
Cd IIb	0	SL 07 ug/l
Cd Ib	-5	SL 07 ug/lPeak Offset

Sample 37 Replicate 2

Cd I	1	SL 07 ug/l
Cd II	-3	SL 07 ug/lPeak Offset

	Cd IIb		3	SL 07	ug/l				
	Cd Ib		1	SL 07	ug/l				
Cd I	AV	0	SL 07	ug/l	SD	2.1	CV	757.3	
Cd II	AV	-2	SL 07	ug/l	SD	0.3	CV	12.2	
Cd IIb	AV	1	SL 07	ug/l	SD	3.3	CV	219.1	
Cd Ib	AV	-1	SL 07	ug/l	SD	5.2	CV	280.9	

Sample 38 Replicate 1

Cd I	0	SL 07	ug/l Peak Offset
Cd II	0	SL 07	ug/l
Cd IIb	0	SL 07	ug/l
Cd Ib	-2	SL 07	ug/l

Sample 38 Replicate 2

Cd I	-1	SL 07	ug/l Peak Offset
Cd II	-2	SL 07	ug/l
Cd IIb	0	SL 07	ug/l
Cd Ib	0	SL 07	ug/l

Cd I	AV	0	SL 07	ug/l	SD	1.0	CV	254.5	
Cd II	AV	-1	SL 07	ug/l	SD	1.8	CV	134.7	
Cd IIb	AV	0	SL 07	ug/l	SD	0.2	CV	176.7	
Cd Ib	AV	-1	SL 07	ug/l	SD	1.7	CV	127.3	

Sample 39 Replicate 1

Cd I	2	SL 07	ug/l
Cd II	0	SL 07	ug/l
Cd IIb	-3	SL 07	ug/l Peak Offset
Cd Ib	0	SL 07	ug/l

Sample 39 Replicate 2

Cd I	1	SL 07	ug/l
Cd II	-3	SL 07	ug/l Peak Offset
Cd IIb	1	SL 07	ug/l
Cd Ib	0	SL 07	ug/l

Cd I	AV	2	SL 07	ug/l	SD	0.2	CV	12.3	
Cd II	AV	-2	SL 07	ug/l	SD	2.1	CV	88.7	
Cd IIb	AV	-1	SL 07	ug/l	SD	3.1	CV	275.7	
Cd Ib	AV	0	SL 07	ug/l	SD	0.1	CV	36.1	

Perkin Elmer 5100

==========

Multielement File: PBSE21291 Analyst: PLH
Date: 2/12/91 Time: 19:48
Data Storage File: PBSE21291 ID/Weight File: PBSE21291

==========

Element File: Se-c Element: Se
Date: 2/12/91 Time: 19:51
Data Storage File: PBSE21291 ID/Weight File: PBSE21291
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

~~~~~~

Sample ID: Blank Sequence No.: 00001 Sampler Position: 40

Blank Corrected Pk Area (A-s): -0.004
Blank Corrected Pk Area (A-s): -0.001

Mean Pk Area (A-s): -0.003 SD: 0.0021 RSD(%): 80.4

Auto-zero performed.

~~~~~~

Sample ID: Standard 1 Sequence No.: 00002 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.009
Blank Corrected Pk Area (A-s): 0.007

Mean Pk Area (A-s): 0.008 SD: 0.0010 RSD(%): 12.9

Standard number 1 applied. [4.0]

~~~~~~

Sample ID: Standard 2 Sequence No.: 00003 Sampler Position: 39

Concentration (ug/L): 26.9
Concentration (ug/L): 26.6

Mean Conc (ug/L): 26.7 SD: 0.18 RSD(%): 0.7

Standard number 2 applied. [24.0]

~~~~~~

Sample ID: Standard 3 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L): 35.3
Concentration (ug/L): 35.6

Mean Conc (ug/L): 35.5 SD: 0.23 RSD(%): 0.7

Standard number 3 applied. [36.0]

~~~~~~

Sample ID: Standard 4 Sequence No.: 00005 Sampler Position: 39

Concentration (ug/L): 57.2
~~~~~~

Concentration (ug/L): 58.6

r = .99998

Mean Conc (ug/L): 57.9 SD: 1.00 RSD(%): 1.7

Standard number 4 applied. [60.0]

~~~~~~

Sample ID: Blank Sequence No.: 00006 Sampler Position: 40

Concentration (ug/L): -0.2
Concentration (ug/L): -2.0

Mean Conc (ug/L): -1.1 SD: 1.25 RSD(%): 110.4

Auto-zero performed.

~~~~~~

Sample ID: ICV Sequence No.: 00007 Sampler Position: 1

Concentration (ug/L): 54.7
Concentration (ug/L): 56.7

Mean Conc (ug/L): 55.7 SD: 1.42 RSD(%): 2.6

~~~~~~

Sample ID: ICB Sequence No.: 00008 Sampler Position: 2

Concentration (ug/L): 2.0
Concentration (ug/L): 2.6

Mean Conc (ug/L): 2.3 SD: 0.40 RSD(%): 17.4

~~~~~~

Sample ID: CRA Sequence No.: 00009 Sampler Position: 3

Concentration (ug/L): 2.6
Concentration (ug/L): 3.4

Mean Conc (ug/L): 3.0 SD: 0.58 RSD(%): 19.4

~~~~~~

Sample ID: 0822 8 pbse Sequence No.: 00010 Sampler Position: 11

Concentration (ug/L): -3.1
Concentration (ug/L): -6.8

Mean Conc (ug/L): -4.9 Dilute 12 And 15 SD: 2.61 RSD(%): 53.0

~~~~~~

Sample ID: + Sequence No.: 00011 Sampler Position: 12

Concentration (ug/L): 1.4
Concentration (ug/L): 1.9

Mean Conc (ug/L): 1.6 SD: 0.39 RSD(%): 24.0

~~~~~~

Sample ID: CCV Sequence No.: 00012 Sampler Position: 13
~~~~~~

Concentration (ug/L): 28.3
Concentration (ug/L): 27.4

Mean Conc (ug/L): 27.9 SD: 0.66 RSD(%): 2.4

Sample ID: CCB Sequence No.: 00013 Sampler Position: 14

Concentration (ug/L): 2.1
Concentration (ug/L): 0.3

Mean Conc (ug/L): 1.2 SD: 1.25 RSD(%): 102.5

Sample ID: 0823SPK Sequence No.: 00014 Sampler Position: 15

Concentration (ug/L): -0.3
Concentration (ug/L): -3.4 Dilute 1/2 & 5

Mean Conc (ug/L): -1.9 SD: 2.19 RSD(%): 115.5

Sample ID: 0824SPKDUP Sequence No.: 00015 Sampler Position: 16

Concentration (ug/L): -1.7
Concentration (ug/L): -0.7 Dilute 1/2 & 5

Mean Conc (ug/L): -1.2 SD: 0.71 RSD(%): 59.5

Sample ID: 0954 8 Sequence No.: 00016 Sampler Position: 17

Concentration (ug/L): 4.0
Concentration (ug/L): 4.9 Dilute 1/2

Mean Conc (ug/L): 4.5 SD: 0.60 RSD(%): 13.6

Sample ID: + Sequence No.: 00017 Sampler Position: 18

Concentration (ug/L): 7.3
Concentration (ug/L): 6.7 Rec Below 40%

Mean Conc (ug/L): 7.0 SD: 0.45 RSD(%): 6.5

Sample ID: 0955spk/100 Sequence No.: 00018 Sampler Position: 19

Concentration (ug/L): 9.5
Concentration (ug/L): 12.0

Mean Conc (ug/L): 10.8 X 100 SD: 1.74 RSD(%): 16.1

Sample ID: 91020025 8 Sequence No.: 00019 Sampler Position: 20

Concentration (ug/L): 3.5
Concentration (ug/L): 5.7

Mean Conc (ug/L): 4.6 SD: 1.59 RSD(%): 34.6

~~~~~~

Sample ID: + Sequence No.: 00020 Sampler Position: 21

Concentration (ug/L): 12.4
Concentration (ug/L): 12.9

Mean Conc (ug/L): 12.7 81% SD: 0.35 RSD(%): 2.8

~~~~~~

Sample ID: 0030spk/100 ✓ Sequence No.: 00021 Sampler Position: 22

Concentration (ug/L): 12.6
Concentration (ug/L): 11.5

Mean Conc (ug/L): 12.0 X100 SD: 0.79 RSD(%): 6.6

~~~~~~

Sample ID: TCB A ✓ Sequence No.: 00022 Sampler Position: 23

Concentration (ug/L): 4.4
Concentration (ug/L): 2.8

Mean Conc (ug/L): 3.6 SD: 1.08 RSD(%): 30.1

~~~~~~

Sample ID: TCB B ✓ Sequence No.: 00023 Sampler Position: 24

Concentration (ug/L): 3.5
Concentration (ug/L): 3.2

Mean Conc (ug/L): 3.3 SD: 0.23 RSD(%): 7.0

~~~~~~

Sample ID: CCV Sequence No.: 00024 Sampler Position: 25

Concentration (ug/L): 28.1
Concentration (ug/L): 28.7

Mean Conc (ug/L): 28.4 SD: 0.45 RSD(%): 1.6

~~~~~~

Sample ID: CCB Sequence No.: 00025 Sampler Position: 26

Concentration (ug/L): 3.0
Concentration (ug/L): 1.0

Mean Conc (ug/L): 2.0 SD: 1.42 RSD(%): 70.5

~~~~~~

Sample ID: PB BL M ✓ Sequence No.: 00026 Sampler Position: 27

Concentration (ug/L): 2.6
Concentration (ug/L): 1.7

Mean Conc (ug/L): 2.1 SD: 0.64 RSD(%): 29.6

~~~~~~

Sample ID: + Sequence No.: 00027 Sampler Position: 28

Concentration (ug/L): 11.6
Concentration (ug/L): 11.9

Mean Conc (ug/L): 11.8 SD: 0.21 RSD(%): 1.8

Sample ID: LCS Sequence No.: 00028 Sampler Position: 29

Concentration (ug/L): 27.2
Concentration (ug/L): 27.1

Mean Conc (ug/L): 27.1 SD: 0.07 RSD(%): 0.3

Sample ID: + Sequence No.: 00029 Sampler Position: 30

Concentration (ug/L): 35.5
Concentration (ug/L): 36.3

Mean Conc (ug/L): 35.9 SD: 0.58 RSD(%): 1.6

Sample ID: 0897/5 redos Sequence No.: 00030 Sampler Position: 31

Concentration (ug/L): 3.6
Concentration (ug/L): 5.1

Mean Conc (ug/L): 4.4 SD: 1.12 RSD(%): 25.7

Redo St with Spike

Sample ID: + Sequence No.: 00031 Sampler Position: 32

Concentration (ug/L): 12.5
Concentration (ug/L): 13.6

Mean Conc (ug/L): 13.0 SD: 0.80 RSD(%): 6.1

Sample ID: 0904spk/5 Sequence No.: 00032 Sampler Position: 33

Concentration (ug/L): 4.5
Concentration (ug/L): 4.7

Mean Conc (ug/L): 4.6 SD: 0.19 RSD(%): 4.0

Add matrix Spike

Sample ID: 0905spkdup/5 Sequence No.: 00033 Sampler Position: 34

Concentration (ug/L): 5.7
Concentration (ug/L): 5.0

Mean Conc (ug/L): 5.4 SD: 0.45 RSD(%): 8.4

Add matrix Spike

Sample ID: CCV Sequence No.: 00034 Sampler Position: 35

Concentration (ug/L): 28.7

Concentration (ug/L): 28.6

Mean Conc (ug/L): 28.7 SD: 0.09 RSD(%): 0.3

~~~~~~

Sample ID: CCB Sequence No.: 00035 Sampler Position: 36

Concentration (ug/L): 2.2
Concentration (ug/L): 1.0

Mean Conc (ug/L): 1.6 SD: 0.89 RSD(%): 56.1

~~~~~~

Sample ID: PB MOD Sequence No.: 00036 Sampler Position: 37

Concentration (ug/L): 6.6
Concentration (ug/L): 6.1

Mean Conc (ug/L): 6.3 SD: 0.40 RSD(%): 6.3

~~~~~~

Sample ID: 40 Sequence No.: 00037 Sampler Position: 40

Concentration (ug/L): 1.9
Concentration (ug/L): 0.1

Mean Conc (ug/L): 1.0 SD: 1.26 RSD(%): 131.6
~~~~~~

Perkin Elmer 5100

Multielement File: SE211912 Analyst: PLH
Date: 2/11/91 Time: 15:31
Data Storage File: SE211912 ID/Weight File: SE211912

Element File: Se-P Element: Se
Date 2/11/91 Time: 15:35
Data Storage File SE211912 ID/Weight File SE211912
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

Sample ID: Blank Sequence No 00001 Sampler Position 40

Blank Corrected Pk Area (A-s) 0.000
Blank Corrected Pk Area (A-s) -0.002

Mean Pk Area (A-s) -0.001 SD: 0.0014 RSD(%): 186.3

Auto-zero performed

Sample ID Standard 1 Sequence No 00002 Sampler Position 39

Blank Corrected Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.011

Mean Pk Area (A-s): 0.011 SD: 0.0001 RSD(%): 0.8

Standard number 1 applied t 4.01

Sample ID Standard 2 Sequence No.: 00003 Sampler Position: 39

Concentration (ug/L): 23.5
Concentration (ug/L) 23.5

Mean Conc (ug/L) 23.5 SD: 0.02 RSD(%): 0.1

Standard number 2 applied. t 24.01

Sample ID Standard 3 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L) 37.9
Concentration (ug/L) 38.4

Mean Conc (ug/L) 38.3 SD 0.53 RSD(%): 1.4

S-shaped calibration curve detected. Two-coefficient equation used
Standard number 3 applied. t 36.01

Sample ID Standard 4 Sequence No 00005 Sampler Position 39

Concentration (ug/L): 59.6
Concentration (ug/L): 59.2

Mean Conc (ug/L): 59.4 SD: 0.29 RSD(%): 0.5

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 4 applied. [60.0]

~~~~~~

Sample ID: Blank Sequence No.: 00006 Sampler Position: 40

Concentration (ug/L): 0.2
Concentration (ug/L): -1.2

Mean Conc (ug/L): -0.5 SD: 0.97 RSD(%): 188.9

Auto-zero performed

~~~~~~

Sample ID: ICV Sequence No.: 00007 Sampler Position: 1

Concentration (ug/L): 52.0
Concentration (ug/L): 51.8

Mean Conc (ug/L): 51.9 SD: 0.14 RSD(%): 0.3

~~~~~~

Sample ID: ICB Sequence No.: 00008 Sampler Position: 2

Concentration (ug/L): -0.1
Concentration (ug/L): -0.7

Mean Conc (ug/L): -0.4 SD: 0.42 RSD(%): 98.9

~~~~~~

Sample ID: CRA Sequence No.: 00009 Sampler Position: 3

Concentration (ug/L): 3.3
Concentration (ug/L): 4.5

Mean Conc (ug/L): 3.9 SD: 0.84 RSD(%): 21.7

~~~~~~

Sample ID: 91010877/2 Sequence No.: 00010 Sampler Position: 4

Concentration (ug/L): 1.0
Concentration (ug/L): 0.7

Mean Conc (ug/L): 0.9 SD: 0.16 RSD(%): 19.1

~~~~~~

Sample ID: - Sequence No.: 00011 Sampler Position: 5

Concentration (ug/L): 5.2
Concentration (ug/L): 4.9

Mean Conc (ug/L): 5.0 SD: 0.21 RSD(%): 4.2

~~~~~~
~~~~~~

Sample ID: 0878/2   Sequence No.: 00012   Sampler Position: 6

Concentration (ug/L): 0.9
Concentration (ug/L): 0.9

Mean Conc (ug/L): 0.9   SD: 0.05   RSD(%): 5.6

~~~~~~

Sample ID: +   Sequence No.: 00013   Sampler Position: 7

Concentration (ug/L): 4.9
Concentration (ug/L): 4.3

Mean Conc (ug/L): 4.6   SD: 0.39   RSD(%): 8.6

~~~~~~

Sample ID: 91010085   Sequence No.: 00014   Sampler Position: 8

Concentration (ug/L): 0.0
Concentration (ug/L): -0.1

Mean Conc (ug/L): -0.0   SD: 0.08   RSD(%): 251.1

~~~~~~

Sample ID: +   Sequence No.: 00015   Sampler Position: 9

Concentration (ug/L): 9.9
Concentration (ug/L): 8.5

Mean Conc (ug/L): 9.2   SD: 0.96   RSD(%): 10.4

~~~~~~

Sample ID: spk 9101/0900/1018/0879 Sequence No.: 00016   Sampler Position: 10

Concentration (ug/L): 9.8
Concentration (ug/L): 9.2

Mean Conc (ug/L): 9.5   SD: 0.41   RSD(%): 4.3

~~~~~~

Sample ID: spkdup 9101/0901/1019/0880 Sequence No.: 00017   Sampler Position: 11

Concentration (ug/L): 9.1
Concentration (ug/L): 11.0

Mean Conc (ug/L): 10.1   SD: 1.34   RSD(%): 13.3

~~~~~~

Sample ID: CCV   Sequence No.: 00018   Sampler Position: 12

Concentration (ug/L): 31.1
Concentration (ug/L): 29.9

Mean Conc (ug/L): 30.5   SD: 0.79   RSD(%): 2.6

~~~~~~

Sample ID: CCB   Sequence No.: 00019   Sampler Position: 13

Concentration (ug/L): -0.2
~~~~~~

Concentration (ug/L): 0.3

Mean Conc (ug/L): 0.0 SD: 0.34 RSD(%): 704.1

~~~~~~

Sample ID: 0886 Sequence No.: 00020 Sampler Position: 14

Concentration (ug/L): 0.3
Concentration (ug/L): -1.3

Mean Conc (ug/L): -0.5 SD: 1.09 RSD(%): 222.9

~~~~~~

Sample ID: + Sequence No.: 00021 Sampler Position: 15

Concentration (ug/L): 9.6
Concentration (ug/L): 10.0

Mean Conc (ug/L): 9.8 SD: 0.30 RSD(%): 3.0

~~~~~~

Sample ID: 0887 Sequence No.: 00022 Sampler Position: 16

Concentration (ug/L): 1.7
Concentration (ug/L): 0.5

Mean Conc (ug/L): 1.1 SD: 0.84 RSD(%): 75.5

~~~~~~

Sample ID: + Sequence No.: 00023 Sampler Position: 17

Concentration (ug/L): 7.5
Concentration (ug/L): 8.7

Mean Conc (ug/L): 8.1 SD: 0.84 RSD(%): 10.3

~~~~~~

Sample ID: 0888 Sequence No.: 00024 Sampler Position: 18

Concentration (ug/L): 1.0
Concentration (ug/L): 1.7

Mean Conc (ug/L): 1.4 SD: 0.46 RSD(%): 33.6

~~~~~~

Sample ID: + Sequence No.: 00025 Sampler Position: 19

Concentration (ug/L): 9.4
Concentration (ug/L): 9.0

Mean Conc (ug/L): 9.2 SD: 0.27 RSD(%): 2.9

~~~~~~

Sample ID: 1012 Sequence No.: 00026 Sampler Position: 20

Concentration (ug/L): 2.5
Concentration (ug/L): 1.1

Mean Conc (ug/L): 1.8 SD: 0.94 RSD(%): 52.3
~~~~~~

Sample ID: + Sequence No.: 00027 Sampler Position: 21

Concentration (ug/L): 6.0
Concentration (ug/L): 6.3

Mean Conc (ug/L): 6.1 SD: 0.20 RSD(%): 3.3

Sample ID: 1013 Sequence No.: 00028 Sampler Position: 22

Concentration (ug/L): 2.3
Concentration (ug/L): 1.7

Mean Conc (ug/L): 2.0 SD: 0.39 RSD(%): 19.3

Sample ID: - Sequence No.: 00029 Sampler Position: 23

Concentration (ug/L): 9.0
Concentration (ug/L): 8.8

Mean Conc (ug/L): 8.9 SD: 0.10 RSD(%): 1.1

Sample ID: CCV Sequence No.: 00030 Sampler Position: 24

Concentration (ug/L): 30.1
Concentration (ug/L): 29.6

Mean Conc (ug/L): 29.8 SD: 0.36 RSD(%): 1.2

Sample ID: CCB Sequence No.: 00031 Sampler Position: 25

Concentration (ug/L): -0.2
Concentration (ug/L): -0.3

Mean Conc (ug/L): -0.2 SD: 0.04 RSD(%): 17.8

Sample ID: 1014 Sequence No.: 00032 Sampler Position: 26

Concentration (ug/L): 3.4
Concentration (ug/L): 4.1

Mean Conc (ug/L): 3.7 SD: 0.45 RSD(%): 11.9

Sample ID: + Sequence No.: 00033 Sampler Position: 27

Concentration (ug/L): 7.8
Concentration (ug/L): 8.7

Mean Conc (ug/L): 8.3 SD: 0.66 RSD(%): 7.9

Sample ID: 1015 Sequence No.: 00034 Sampler Position: 28

Concentration (ug/L): 4.1
Concentration (ug/L): 4.6

Mean Conc (ug/L): 4.3 SD: 0.33 RSD(%): 7.7

~~~~~~

Sample ID: + Sequence No.: 00035 Sampler Position: 29

Concentration (ug/L): 9.8
Concentration (ug/L): 9.6

Mean Conc (ug/L): 9.7 SD: 0.18 RSD(%): 1.8

~~~~~~

Sample ID: PB BL M Sequence No.: 00036 Sampler Position: 30

Concentration (ug/L): -1.5
Concentration (ug/L): -0.7

Mean Conc (ug/L): -1.1 SD: 0.59 RSD(%): 48.1

~~~~~~

Sample ID: + Sequence No.: 00037 Sampler Position: 31

Concentration (ug/L): 10.2
Concentration (ug/L): 9.2

Mean Conc (ug/L): 9.7 SD: 0.74 RSD(%): 7.6

~~~~~~

Sample ID: LCS Sequence No.: 00038 Sampler Position: 32

Concentration (ug/L): 24.4
Concentration (ug/L): 25.4

Mean Conc (ug/L): 24.9 SD: 0.74 RSD(%): 3.0

~~~~~~

Sample ID: + Sequence No.: 00039 Sampler Position: 33

Concentration (ug/L): 37.0
Concentration (ug/L): 35.8

Mean Conc (ug/L): 36.4 SD: 0.84 RSD(%): 2.3

~~~~~~

Sample ID: ~~+~~ CB Sequence No.: 00040 Sampler Position: 34

Concentration (ug/L): 0.8
Concentration (ug/L): 0.3

Mean Conc (ug/L): 0.6 SD: 0.34 RSD(%): 58.1

~~~~~~

Sample ID: ~~+~~ CCV Sequence No.: 00041 Sampler Position: 35

Concentration (ug/L): 28.7
Concentration (ug/L): 29.1
~~~~~~

Mean Conc (ug/L): 28.9 SD: 0.22 RSD(%): 0.7

Sample ID: CCB Sequence No.: 00042 Sampler Position: 36

Concentration (ug/L) -0.5
Concentration (ug/L): -0.3

Mean Conc (ug/L): -0.4 SD: 0.20 RSD(%): 49.7

Sample ID: CCV Sequence No.: 00043 Sampler Position: 37

Concentration (ug/L): 28.1
Concentration (ug/L): 28.1

Mean Conc (ug/L): 28.1 SD: 0.01 RSD(%): 0.0

Rehni Elmer
5100

Multielement File: SE21191 Analyst: PLH
Date: 2/11/91 Time: 11:24
Data Storage File: SE21191 ID/Weight File: SE21191

Element File: Se-round Element: Se
Date: 2/11/91 Time: 11:26
Data Storage File: SE21191 ID/Weight File: SE21191
Technique: HGA Calibration Type: Absorbance

Sample ID: ICB Sequence No.: 00001 Sampler Position: 2

Blank Corrected Pk Area (A-s): 0.001

Element File: Se-u Element: Se
Date: 2/11/91 Time: 11:30
Data Storage File: SE21191 ID/Weight File: SE21191
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

Sample ID: Blank Sequence No.: 00002 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.003
Blank Corrected Pk Area (A-s): 0.002

Mean Pk Area (A-s): 0.002 SD: 0.0006 RSD(%): 25.4

Auto-zero performed.

Sample ID: Standard 1 Sequence No.: 00003 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.010
Blank Corrected Pk Area (A-s): 0.015

Mean Pk Area (A-s): 0.012 SD: 0.0035 RSD(%): 28.6

Standard number 1 applied: 4.00

Sample ID: Standard 2 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L): 22.8
Concentration (ug/L): 23.5

Mean Conc. (ug/L): 23.2 SD: 0.51 RSD(%): 2.2

Standard number 2 applied: 24.00

Sample ID: Standard 3 Sequence No.: 00005 Sampler Position: 39

Concentration (ug/L): 36.8
Concentration (ug/L): 37.5

Mean Conc (ug/L): 37.2 SD: 0.48 RSD(%): 1.3

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 3 applied. [36.0]

Sample ID: Standard 4 Sequence No.: 00006 Sampler Position: 39

Concentration (ug/L): 61.1
Concentration (ug/L): 59.0

Mean Conc (ug/L): 60.0 SD: 1.51 RSD(%): 2.5

Standard number 4 applied. [60.0]

Sample ID: Blank Sequence No.: 00007 Sampler Position: 40

Concentration (ug/L): 0.1
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.3 SD: 0.69 RSD(%): 202.1

Auto-zero performed

Sample ID: ICV Sequence No.: 00008 Sampler Position: 1

Concentration (ug/L): 50.4
Concentration (ug/L): 50.3

Mean Conc (ug/L): 50.3 SD: 0.11 RSD(%): 0.2

Sample ID: ICB Sequence No.: 00009 Sampler Position: 2

Concentration (ug/L): 0.8
Concentration (ug/L): 0.2

Mean Conc (ug/L): 0.5 SD: 0.40 RSD(%): 82.7

Sample ID: CRA Sequence No.: 00010 Sampler Position: 3

Concentration (ug/L): 4.7
Concentration (ug/L): 4.4

Mean Conc (ug/L): 4.6 SD: 0.21 RSD(%): 4.6

Sample ID: 910:0126 Sequence No.: 00011 Sampler Position: 4

Concentration (ug/L): 1.9
Concentration (ug/L): 2.8

Mean Conc (ug/L): 2.4 SD: 0.66 RSD(%): 27.9

Sample ID: +1 Sequence No.: 00012 Sampler Position: 5

Concentration (ug/L): 3.2
Concentration (ug/L): 4.0

Mean Conc (ug/L): 3.6 SD: 0.57 RSD(%): 15.7

Sample ID: +1 Sequence No.: 00013 Sampler Position: 6

Concentration (ug/L): 3.1
Concentration (ug/L): 3.7

Mean Conc (ug/L): 3.4 SD: 0.47 RSD(%): 13.9

Sample ID: +2 Sequence No.: 00014 Sampler Position: 7

Concentration (ug/L): 4.6
Concentration (ug/L): 4.4

Mean Conc (ug/L): 4.5 SD: 0.11 RSD(%): 2.4

Sample ID: 0142 Sequence No.: 00015 Sampler Position: 8

Concentration (ug/L): 0.2
Concentration (ug/L): 0.4

Mean Conc (ug/L): 0.3 SD: 0.07 RSD(%): 30.4

Sample ID: + Sequence No.: 00016 Sampler Position: 9

Concentration (ug/L): 6.6
Concentration (ug/L): 6.8

Mean Conc (ug/L): 6.7 SD: 0.16 RSD(%): 2.4

Sample ID: 147spk Sequence No.: 00017 Sampler Position: 10

Concentration (ug/L): 2.6
Concentration (ug/L): 4.0

Mean Conc (ug/L): 3.3 SD: 1.00 RSD(%): 30.4

Sample ID: 148spkdup Sequence No.: 00018 Sampler Position: 11

Concentration (ug/L): 3.3
Concentration (ug/L): 3.3

Mean Conc (ug/L): 3.3 SD: 0.01 RSD(%): 0.2

Sample ID: [illegible] Sequence No.: 00019 Sampler Position: 12

Concentration (ug/L): 28.8
Concentration (ug/L): 27.9

Mean Conc (ug/L): 28.3 SD: 0.63 RSD(%): 2.2

~~~~~~

Sample ID: ccb Sequence No.: 00020 Sampler Position: 13

Concentration (ug/L): -0.6
Concentration (ug/L): -0.5

Mean Conc (ug/L): -0.5 SD: 0.08 RSD(%): 15.8

~~~~~~

Sample ID: PB RDJ Sequence No.: 00021 Sampler Position: 14

Concentration (ug/L): 0.1
Concentration (ug/L): -0.7

Mean Conc (ug/L): -0.3 SD: 0.55 RSD(%): 201.3

~~~~~~

Sample ID: - Sequence No.: 00022 Sampler Position: 15

Concentration (ug/L): 9.9
Concentration (ug/L): 9.2

Mean Conc (ug/L): 9.1 SD: 1.19 RSD(%): 13.1

~~~~~~

Sample ID: LCS Sequence No.: 00023 Sampler Position: 16

Concentration (ug/L): 23.1
Concentration (ug/L): 22.6

Mean Conc (ug/L): 22.9 SD: 0.32 RSD(%): 1.4

~~~~~~

Sample ID: + Sequence No.: 00024 Sampler Position: 17

Concentration (ug/L): 32.8
Concentration (ug/L): 31.9

Mean Conc (ug/L): 32.4 SD: 0.60 RSD(%): 1.9

~~~~~~

Sample ID: 0954 Sequence No.: 00025 Sampler Position: 18

Concentration (ug/L): 0.2
Concentration (ug/L): -0.5

Mean Conc (ug/L): -0.1 SD: 0.45 RSD(%): 321.9

~~~~~~

Sample ID: - Sequence No.: 00026 Sampler Position: 19

Concentration (ug/L): 7.9
Concentration (ug/L): 7.8
~~~~~~

Mean Conc (ug/L): 7.8 SD: 0.01 RSD(%): 0.1

~~~~~~

Sample ID: 0908SPK Sequence No.: 00027 Sampler Position: 20

Concentration (ug/L): 3.4
Concentration (ug/L): 3.4

Mean Conc (ug/L): 3.4 SD: 0.04 RSD(%): 1.2

~~~~~~

Sample ID: 0909SPKDUP Sequence No.: 00028 Sampler Position: 21

Concentration (ug/L): 5.7
Concentration (ug/L): 5.6

Mean Conc (ug/L): 5.6 SD: 0.05 RSD(%): 0.9

~~~~~~

Sample ID: 0876 Sequence No.: 00029 Sampler Position: 22

Concentration (ug/L): 0.6
Concentration (ug/L): 0.1

Mean Conc (ug/L): 0.3 SD: 0.37 RSD(%): 106.5

~~~~~~

Sample ID: - Sequence No.: 00030 Sampler Position: 23

Concentration (ug/L): 4.5
Concentration (ug/L): 5.5

Mean Conc (ug/L): 5.0 SD: 0.71 RSD(%): 14.1

~~~~~~

Sample ID: CCV Sequence No.: 00031 Sampler Position: 24

Concentration (ug/L): 27.8
Concentration (ug/L): 27.3

Mean Conc (ug/L): 27.6 SD: 0.33 RSD(%): 1.2

~~~~~~

Sample ID: CCB Sequence No.: 00032 Sampler Position: 25

Concentration (ug/L): -0.8
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.8 SD: 0.04 RSD(%): 5.4

~~~~~~

Sample ID: ~~[illegible]~~ 9101087 Sequence No.: 00033 Sampler Position: 26

Concentration (ug/L): 0.0
Concentration (ug/L): 0.1

Mean Conc (ug/L): Redo/2 0.1 SD: 0.09 RSD(%): 139.1
~~~~~~

Sample ID: + Sequence No.: 00034 Sampler Position: 27

Concentration (ug/L): 3.9
Concentration (ug/L): 3.4

Mean Conc (ug/L): 3.6 SD: 0.34 RSD(%): 9.3

Sample ID: 91010877 Sequence No.: 00035 Sampler Position: 28

Concentration (ug/L): 1.0
Concentration (ug/L): 0.7

Mean Conc (ug/L): 0.8 SD: 0.24 RSD(%): 28.3

Sample ID: + Sequence No.: 00036 Sampler Position: 29

Concentration (ug/L): 2.9
Concentration (ug/L): 2.8

Mean Conc (ug/L): 2.8 SD: 0.04 RSD(%): 1.5

Sample ID: PB Sequence No.: 00037 Sampler Position: 30

Concentration (ug/L): -0.5
Concentration (ug/L): -0.7

Mean Conc (ug/L): -0.6 SD: 0.15 RSD(%): 25.1

Sample ID: + Sequence No.: 00038 Sampler Position: 31

Concentration (ug/L): 7.9
Concentration (ug/L): 8.1

Mean Conc (ug/L): 8.0 SD: 0.13 RSD(%): 1.7

Sample ID: LCS Sequence No.: 00039 Sampler Position: 32

Concentration (ug/L): 23.1
Concentration (ug/L): 22.6

Mean Conc (ug/L): 22.9 SD: 0.36 RSD(%): 1.6

Sample ID: + Sequence No.: 00040 Sampler Position: 33

Concentration (ug/L): 33.2
Concentration (ug/L): 32.5

Mean Conc (ug/L): 32.8 SD: 0.46 RSD(%): 1.4

Sample ID: FK 91010884 Sequence No.: 00041 Sampler Position: 34

```
Concentration (ug/L  ):        -1.0
Concentration (ug/L  ):        -0.3

Mean Conc  (ug/L  ):       -0.7          SD: 0.51                RSD(%): 75.0

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Sample ID: C801-SPKDUP          Sequence No.: 00042     Sampler Position: 35

Concentration (ug/L  ):         6.2
Concentration (ug/L  ):         5.4

Mean Conc  (ug/L  ):        5.8          SD: 0.58                RSD(%): 10.0

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Sample ID: CCV                  Sequence No.: 00043     Sampler Position: 36

Concentration (ug/L  ):        26.3
Concentration (ug/L  ):        26.9

Mean Conc  (ug/L  ):       26.6          SD: 0.42                RSD(%): 1.6

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: CCB                  Sequence No.: 00044     Sampler Position: 37

Concentration (ug/L  ):        -0.2
Concentration (ug/L  ):        -1.0

Mean Conc  (ug/L  ):       -0.6          SD: 0.53                RSD(%): 84.8
```

Perkin Elmer 5100

Multielement File: PB25912 Analyst: PLH
Date 2/07/91 Time: 17:33
Data Storage File: PB25912 ID/Weight File: PB25912

Element File: Se-c Element: Se
Date: 2/07/91 Time: 17:37
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

Sample ID: Blank Sequence No 00001 Sampler Position: 40

Blank Corrected Pk Area (A-s): 0.000
Blank Corrected Pk Area (A-s): 0.003

Mean Pk Area (A-s): 0.002 SD: 0.0016 RSD(%): 107.3

Auto-zero performed.

Sample ID: Standard 1 Sequence No: 00002 Sampler Position: 39

Blank Corrected Pk Area (A-s): 0.009
Blank Corrected Pk Area (A-s): 0.010

Mean Pk Area (A-s): 0.009 SD: 0.0006 RSD(%): 6.0

Standard number 1 applied. [4.00]

Sample ID: Standard 2 Sequence No.: 00003 Sampler Position: 39

Concentration (ug/L): 26.8
Concentration (ug/L): 26.5

Mean Conc (ug/L): 26.7 SD: 0.23 RSD(%): 0.9

Standard number 2 applied. [24.00]

Sample ID: Standard 3 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L): 34.4
Concentration (ug/L): 34.6

Mean Conc (ug/L): 34.5 SD: 0.13 RSD(%): 0.4

Standard number 3 applied. [36.00]

Sample ID: Standard 4 Sequence No.: 00005 Sampler Position: 39

Concentration (ug/L): 57.2

r = .998

Concentration (ug/L): 57.2

Mean Conc (ug/L): 57.2 SD: 0.03 RSD(%): 0.1

S-shaped calibration curve detected. Two-coefficient equation used.
Standard number 4 applied. [60.0]

Sample ID Blank Sequence No.: 00006 Sampler Position: 40

Concentration (ug/L): -1.1
Concentration (ug/L): 0.6

Mean Conc (ug/L): -0.3 SD: 1.19 RSD(%): 445.0

Auto-zero performed.

Sample ID: ICV Sequence No.: 00007 Sampler Position: 1

Concentration (ug/L) 52.5
Concentration (ug/L): 52.1

Mean Conc (ug/L) 52.3 SD: 0.27 RSD(%): 0.5

Sample ID ICB Sequence No.: 00008 Sampler Position: 2

Concentration (ug/L): -0.3
Concentration (ug/L): -0.4

Mean Conc (ug/L): -0.4 SD: 0.11 RSD(%): 29.8

Sample ID: CRA Sequence No.: 00009 Sampler Position: 3

Concentration (ug/L): 3.7
Concentration (ug/L): 2.6

Mean Conc (ug/L) 3.2 SD: 0.79 RSD(%): 24.8

Sample ID: 0893 Sequence No.: 00010 Sampler Position: 14

Concentration (ug/L) 4.2
Concentration (ug/L) 4.2

Mean Conc (ug/L): 4.2 SD: 0.05 RSD(%): 1.1

Sample ID. - Sequence No.: 00011 Sampler Position 15

Concentration (ug/L): 14.1
Concentration (ug/L) 13.0

Mean Conc (ug/L) 13.6 SD: 0.77 RSD(%) 5.7

Sample ID: 0894 Sequence No.: 00012 Sampler Position: 16

Concentration (ug/L): 3.6
Concentration (ug/L): 3.1

Mean Conc (ug/L): 3.3 SD: 0.38 RSD(%): 11.5

Sample ID + Sequence No.: 00013 Sampler Position: 17

Concentration (ug/L): 11.2
Concentration (ug/L): 9.4

Mean Conc (ug/L): 10.3 SD: 1.26 RSD(%): 12.2

Sample ID: 0895 Sequence No.: 00014 Sampler Position: 18

Concentration (ug/L): 3.0
Concentration (ug/L): 1.9

Mean Conc (ug/L): 2.5 SD: 0.79 RSD(%) 32.1

Sample ID. + Sequence No.: 00015 Sampler Position: 19

Concentration (ug/L): 11.5
Concentration (ug/L) 10.4

Mean Conc (ug/L): 10.9 SD. 0.82 RSD(%): 7.5

Sample ID: 0896. Sequence No.: 00016 Sampler Position: 20

Concentration (ug/L) 2.1
Concentration (ug/L) 1.6

Mean Conc (ug/L) 1.9 SD: 0.36 RSD(%): 18.9

Sample ID: + Sequence No.: 00017 Sampler Position: 21

Concentration (ug/L): 11.2
Concentration (ug/L). 10.8

Mean Conc (ug/L): 11.0 SD: 0.35 RSD(%): 2.9

Sample ID: 0897 Sequence No 00018 Sampler Position: 22

Concentration (ug/L): 1.0
Concentration (ug/L) 0.7

Mean Conc (ug/L) 0.9 SD. 0.29 RSD(%): 25.8

Sample ID + Sequence No. 00019 Sampler Position 23

Concentration (ug/L) 10.2
Concentration (ug/L). 10.5

```
Mean Conc  (ug/L  ):        10.3          SD: 0.21                 RSD(%): 2.1

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Sample ID: CCV                 Sequence No.: 00020    Sampler Position: 24

Concentration (ug/L  ):          30.4
Concentration (ug/L  ):          31.9

Mean Conc  (ug/L  ):        31.1          SD: 1.06                 RSD(%): 3.4

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: CCB                 Sequence No.: 00021    Sampler Position: 25

Concentration (ug/L  ):          -0.1
Concentration (ug/L  ):          -0.3

Mean Conc  (ug/L  ):        -0.2          SD: 0.17                 RSD(%): 75.5

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 0904SPK             Sequence No.: 00022    Sampler Position: 26

Concentration (ug/L  ):          7.2
Concentration (ug/L  ):          7.1

Mean Conc  (ug/L  ):        7.1           SD: 0.07                 RSD(%): 0.9

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Sample ID: 0905SPKD            Sequence No.: 00023    Sampler Position: 27

Concentration (ug/L  ):          5.9
Concentration (ug/L  ):          7.0

Mean Conc  (ug/L  ):        6.4           SD: 0.72                 RSD(%): 11.1

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Sample ID: 0898                Sequence No.: 00024    Sampler Position: 28

Concentration (ug/L  ):          3.2
Concentration (ug/L  ):          3.3

Mean Conc  (ug/L  ):        3.2           SD: 0.09                 RSD(%): 2.8

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Sample ID: -                   Sequence No.: 00025    Sampler Position: 29

Concentration (ug/L  ):          11.5
Concentration (ug/L  ):          11.7

Mean Conc  (ug/L  ):        11.6          SD: 0.14                 RSD(%): 1.2

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 0899                Sequence No.: 00026    Sampler Position: 30

Concentration (ug/L  ):          2.6
Concentration (ug/L  ):          2.5

Mean Conc  (ug/L  ):        2.5           SD: 0.05                 RSD(%): 1.9
```

Sample ID. + Sequence No.: 00027 Sampler Position: 31

Concentration (ug/L): 12.0
Concentration (ug/L): 12.0

Mean Conc (ug/L): 12.0 SD: 0.02 RSD(%): 0 2

Sample ID: 91C10954 Sequence No.: 00028 Sampler Position: 32

Concentration (ug/L): 1.9
Concentration (ug/L): 3 4

Mean Conc (ug/L): 2.6 SD: 1.06 RSD(%): 40.5

Sample ID: + Sequence No.: 00029 Sampler Position: 33

Concentration (ug/L): 10.1
Concentration (ug/L) 12.5

Mean Conc (ug/L): 11.3 SD: 1.73 RSD(%): 15.3

Sample ID 0956SPK Sequence No 00030 Sampler Position: 34

PK

Concentration (ug/L): 6 2
Concentration (ug/L): 5.0

Redo By 2

Mean Conc (ug/L) 5.6 SD: 0.85 RSD(%): 15.3

Sample ID 0957SPKD Sequence No.: 00031 Sampler Position: 35

PK

Concentration (ug/L): 8.6
Concentration (ug/L): 8.6

Redo By 2

Mean Conc (ug/L): 8 6 SD. 0.01 RSD(%) 0.2

Sample ID CCV Sequence No.: 00032 Sampler Position: 36

Concentration (ug/L): 31.7
Concentration (ug/L): 31 1

Mean Conc (ug/L): 31 4 SD 0 42 RSD(%): 1 3

Sample ID: 40 Sequence No.: 00033 Sampler Position 40

Concentration (ug/L): 4 1
Concentration (ug/L) 2 3

Mean Conc (ug/L) 3 7 SD 0 57 RSD(%) 15 3

Perkin Elmer
5100

Multielement File: PB25912 Analyst: PLH
Date: 2/07/91 Time: 12:41
Data Storage File: PB25912 ID/Weight File: PB25912

Element File: Se-round Element: Se
Date: 2/07/91 Time: 12:43
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Absorbance

Peggy Henderson

Sample ID: ICB Sequence No.: 00001 Sampler Position: 2

Blank Corrected Pk Area (A-s): -0.002

Element File: Se-u Element: Se
Date: 2/07/91 Time: 12:47
Data Storage File: PB25912 ID/Weight File: PB25912
Technique: HGA Calibration Type: Nonlinear
Remark 1: ICV is ICV-2/2 = 52.0 ug/L
Remark 2: CCV is 50.0 ug/L (Inorganic Ventures)
Remark 3: Background correction: BZ

Sample ID: Blank Sequence No: 00002 Sampler Position: 40

Blank Corrected Pk Area (A-s): -0.001
Blank Corrected Pk Area (A-s): 0.001

Mean Pk Area (A-s): -0.000 SD: 0.0019 RSD(%): 213.4

Auto-zero performed.

Sample ID: Standard 1 Sequence No.: 00003 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.010
Blank Corrected Pk Area (A-s): 0.017

Mean Pk Area (A-s): 0.013 SD: 0.0047 RSD(%): 35.9

Standard number 1 applied. [4.00]

Sample ID: Standard 2 Sequence No.: 00004 Sampler Position: 39

Concentration (ug/L): 21.8
Concentration (ug/L): 21.8

Mean Conc (ug/L): 21.3 SD: 0.36 RSD(%): 1.7

Standard number 2 applied. [24.00]

Sample ID: Standard 3 Sequence No: 00005 Sampler Position: 39

```
Concentration (ug/L  ):      37.9
Concentration (ug/L  ):      39.4

Mean Conc  (ug/L  ):       38.6          SD: 1.01                 RSD(%): 2.6

S-shaped calibration curve detected.  Two-coefficient equation used.
Standard number 3 applied.  [     36.0]

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Sample ID: Standard 4          Sequence No.: 00006     Sampler Position: 39

Concentration (ug/L  ):      64.1
Concentration (ug/L  ):      62.5

Mean Conc  (ug/L  ):       63.3          SD: 1.19                 RSD(%): 1.8

Standard number 4 applied.  [     60.0]

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: Blank               Sequence No.: 00007     Sampler Position: 40

Concentration (ug/L  ):      -0.2
Concentration (ug/L  ):       1.0

Mean Conc  (ug/L  ):        0.4          SD: 0.89                 RSD(%): 220.5

Autozero performed

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: ICV                 Sequence No.: 00008     Sampler Position: 1

Concentration (ug/L  ):      50.1
Concentration (ug/L  ):      50.2

Mean Conc  (ug/L  ):       50.1          SD: 0.08                 RSD(%): 0.2

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: ICB                 Sequence No.: 00009     Sampler Position: 2

Concentration (ug/L  ):       0.5
Concentration (ug/L  ):       1.2

Mean Conc  (ug/L  ):        0.9          SD: 0.50                 RSD(%): 56.1

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: CRA                 Sequence No.: 00010     Sampler Position: 3

Concentration (ug/L  ):       4.3
Concentration (ug/L  ):       5.1

Mean Conc  (ug/L  ):        4.7          SD: 0.60                 RSD(%): 12.8

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 9101088? 5x 1       Sequence No.: 00011     Sampler Position: 4

Concentration (ug/L  ):       2.2
Concentration (ug/L  ):       2.3

Mean Conc  (ug/L  ):        2.2          SD: 0.07                 RSD(%): 3.4
```

r = .99989

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: +                    Sequence No.: 00012     Sampler Position: 5

Concentration (ug/L  ):          9.1
Concentration (ug/L  ):          9.8

Mean Conc  (ug/L  ):         9.4         SD: 0.45                 RSD(%): 4.8

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 0890                 Sequence No.: 00013     Sampler Position: 6

Concentration (ug/L  ):          1.3
Concentration (ug/L  ):          1.7

Mean Conc  (ug/L  ):         1.5         SD: 0.26                 RSD(%): 17.[illegible]

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: +                    Sequence No.: 00014     Sampler Position: 7

Concentration (ug/L  ):          9.1
Concentration (ug/L  ):          8.9

Mean Conc  (ug/L  ):         9.0         SD: 0.18                 RSD(%): 2.0

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 0891                 Sequence No.: 00015     Sampler Position: 8

Concentration (ug/L  ):          2.3
Concentration (ug/L  ):          2.0

Mean Conc  (ug/L  ):         2.2         SD: 0.18                 RSD(%): 8.4

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: +                    Sequence No.: 00016     Sampler Position: 9

Concentration (ug/L  ):          9.0
Concentration (ug/L  ):          8.9

Mean Conc  (ug/L  ):         9.0         SD: 0.08                 RSD(%): 0.9

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: 0892                 Sequence No.: 00017     Sampler Position: 10

Concentration (ug/L  ):          2.1
Concentration (ug/L  ):          1.5

Mean Conc  (ug/L  ):         1.8         SD: 0.42                 RSD(%): 23.3

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: +                    Sequence No.: 00018     Sampler Position: 11

Concentration (ug/L  ):          9.6
Concentration (ug/L  ):          9.8

Mean Conc  (ug/L  ):         9.7         SD: 0.[illegible]        RSD(%): 1.[illegible]

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Sample ID: CCV                  Sequence No.: 00019     Sampler Position: 12
```

Concentration (ug/L): 27.7
Concentration (ug/L): 26.6

Mean Conc (ug/L): 27.2 SD: 0.77 RSD(%): 2.8

Sample ID: 0008 Sequence No : 00020 Sampler Position: 13

Concentration (ug/L): -0.6
Concentration (ug/L): -0.7

Mean Conc (ug/L): -0.6 SD: 0.06 RSD(%): 9.6

Sample ID: 0893 Sequence No : 00021 Sampler Position: 14

Concentration (ug/L): 2.1
Concentration (ug/L): 2.9

Mean Conc (ug/L): AH 2-7-91 2.5 SD: 0.54 RSD(%): 21.8

Sample ID: + Sequence No.: 00022 Sampler Position: 15

Concentration (ug/L): 9.5
Concentration (ug/L): 10.4

Mean Conc (ug/L): 9.9 SD: 0.67 RSD(%): 6.7

Sample ID: 0894 Sequence No.: 00023 Sampler Position: 16

Concentration (ug/L): 1.4
Concentration (ug/L): 1.9

Mean Conc (ug/L): 1.7 SD: 0.34 RSD(%): 20.7

Sample ID: + Sequence No.: 00024 Sampler Position: 17

Concentration (ug/L): 8.6
Concentration (ug/L): 7.8

Mean Conc (ug/L): 8.2 SD: 0.61 RSD(%): 7.4

Sample ID: 0895 Sequence No.: 00025 Sampler Position: 18

Concentration (ug/L): 1.6
Concentration (ug/L): 1.9

Mean Conc (ug/L): 1.7 SD: 0.20 RSD(%): 11.7

Sample ID: + Sequence No : 00026 Sampler Position: 19

Concentration (ug/L): 8.1
Concentration (ug/L): 8.9

Mean Conc (ug/L): 8.5 SD: 0.52 RSD(%): 6.1

~~~~~~

Sample ID: 0896 Sequence No.: 00027 Sampler Position: 20

Concentration (ug/L): 0.5
Concentration (ug/L): -0.4

Mean Conc (ug/L): 0.0 SD: 0.63 RSD(%): 086.3

~~~~~~

Sample ID: + Sequence No.: 00028 Sampler Position: 21

Concentration (ug/L): 7.9
Concentration (ug/L): 7.9

Mean Conc (ug/L): 7.9 SD: 0.03 RSD(%): 0.2

~~~~~~

Sample ID: 0897 Sequence No.: 00029 Sampler Position: 22

Concentration (ug/L): -0.6
Concentration (ug/L): -0.8

Mean Conc (ug/L): -0.7 SD: 0.15 RSD(%): 20.9

~~~~~~

Sample ID: + Sequence No.: 00030 Sampler Position: 23

Concentration (ug/L): 7.4
Concentration (ug/L): 7.3

Mean Conc (ug/L): 7.4 SD: 0.06 RSD(%): 0.9

~~~~~~

Sample ID: CCV Sequence No.: 00031 Sampler Position: 24

Concentration (ug/L): 25.8
Concentration (ug/L): 26.8

Mean Conc (ug/L): 26.3 SD: 0.67 RSD(%): 2.6

~~~~~~

Sample ID: CCB Sequence No.: 00032 Sampler Position: 25

Concentration (ug/L): -1.1
Concentration (ug/L): -1.3

Mean Conc (ug/L): -1.1 SD: 0.10 RSD(%): 8.8

~~~~~~

Sample ID: 0904SPK Sequence No.: 00033 Sampler Position: 26

Concentration (ug/L): 5.6
Concentration (ug/L): 5.6

Mean Conc (ug/L): 5.6 SD: 0.02 RSD(%): 0.3

JH 2-7-91
~~~~~~

Se 7-6-91 Perkin Elmer

Mean Pk Area (A-s): 0.002 SD: 0.0028 RSD(%): 129.8

Auto-zero performed.

S100

Henderson

Sample ID: Standard 1 Sequence No.: 00046 Sampler Position: 38

Blank Corrected Pk Area (A-s): 0.011
Blank Corrected Pk Area (A-s): 0.012

Mean Pk Area (A-s): 0.012 SD: 0.0007 RSD(%): 5.7

Standard number 1 applied. [4.0]

Sample ID: Standard 2 Sequence No.: 00047 Sampler Position: 39

Concentration (ug/L): 24.3
Concentration (ug/L): 24.6

Mean Conc (ug/L): 24.4 SD: 0.26 RSD(%): 1.1

Standard number 2 applied. [24.0]

Sample ID: Standard 3 Sequence No.: 00048 Sampler Position: 39

Concentration (ug/L): 36.8
Concentration (ug/L): 36.6

Mean Conc (ug/L): 36.7 SD: 0.10 RSD(%): 0.3

Standard number 3 applied. [36.0]

Sample ID: Standard 4 Sequence No.: 00049 Sampler Position: 39

Calibration is questionable. Abs and conc signs may be different.
Concentration (ug/L): ---------
Calibration is questionable. Abs and conc signs may be different.
Concentration (ug/L): ---------

Calibration is questionable. Abs and conc signs may be different
Mean Conc (ug/L) -------- SD ---- RSD(%): ----

2-shaped calibration curve detected Two-coefficient equation used
Standard number 4 applied [60.0]

Sample ID: Blank Sequence No.: 00050 Sampler Position: 40

Concentration (ug/L): -0.1
Concentration (ug/L): -1.0

Mean Conc (ug/L): -0.6 SD: 0.61 RSD(%): 104.2

Auto-zero performed

Sample ID: ICV Sequence No : 00051 Sampler Position: 1

Concentration (ug/L): 53.3
Concentration (ug/L): 53.0

Mean Conc (ug/L): 53.2 SD: 0.23 RSD(%): 0.4

Sample ID: ICB Sequence No.: 00052 Sampler Position: 2

Concentration (ug/L): 0.4
Concentration (ug/L): -0.2

Mean Conc (ug/L): 0.1 SD: 0.45 RSD(%): 558.5

Sample ID: CRA Sequence No : 00053 Sampler Position: 3

Concentration (ug/L) 5.0
Concentration (ug/L) 5.3

Mean Conc (ug/L): 5.4 SD: 0.12 RSD(%): 2.2

Sample ID P1010809 br 1 Sequence No 00054 Sampler Position: 4

Concentration (ug/L) 1.1
Concentration (ug/L) 1.6

Mean Conc (ug/L): 1.3 SD: 0.33 RSD(%): 24.6

Sample ID. - Sequence No.: 00055 Sampler Position: 5

Concentration (ug/L) 10.3
Concentration (ug/L). 11.6

Mean Conc (ug/L): 11.0 SD: 0.95 RSD(%): 8.7

Sample ID: 0890 Sequence No.: 00056 Sampler Position: 6

Concentration (ug/L): 0.9
Concentration (ug/L) 1.8

Mean Conc (ug/L): 1.3 SD. 0.68 RSD(%): 51.9

Sample ID - Sequence No : 00057 Sampler Position. 7

Concentration (ug/L): 10.5
Concentration (ug/L) 9.9

Mean Conc (ug/L) 10.2 SD 0.4 RSD(%). 4.0

Sample ID 0891 Sequence No : 00058 Sampler Position 8

Concentration (ug/L): 1.3
Concentration (ug/L): 0.6

Mean Conc (ug/L): 0.9 SD: 0.49 RSD(%): 52.7

~~~~~~

Sample ID: + Sequence No.: 00059 Sampler Position: 9

Concentration (ug/L): 11.3
Concentration (ug/L): 11.0

Mean Conc (ug/L): 11.1 SD: 0.26 RSD(%): 2.3

~~~~~~

Sample ID: 0892 Sequence No.: 00060 Sampler Position: 10

Concentration (ug/L): 1.0
Concentration (ug/L): 1.8

Mean Conc (ug/L): 1.4 SD: 0.60 RSD(%): 43.3

~~~~~~

Sample ID: + Sequence No.: 00061 Sampler Position: 11

Concentration (ug/L): 10.7
Concentration (ug/L): 10.9

Mean Conc (ug/L): 10.8 SD: 0.11 RSD(%): 1.0

~~~~~~

Sample ID: CCV Sequence No.: 00062 Sampler Position: 12

Concentration (ug/L): 29.3
Concentration (ug/L): 30.4

Mean Conc (ug/L): 29.9 SD: 0.81 RSD(%): 2.7

~~~~~~

Sample ID: CCB Sequence No.: 00063 Sampler Position: 13

Concentration (ug/L): -0.6
Concentration (ug/L): 1.0

Mean Conc (ug/L): 0.2 SD: 1.12 RSD(%): 521.1

~~~~~~

Sample ID: 0893 Sequence No.: 00064 Sampler Position: 14

Concentration (ug/L): 1.1
Concentration (ug/L): 1.8

Mean Conc (ug/L): 1.4 SD: 0.51 RSD(%): 36.2

~~~~~~

Sample ID: + Sequence No.: 00065 Sampler Position: 15

Concentration (ug/L): 10.7
Concentration (ug/L): 10.7
~~~~~~

Mean Conc (ug/L): 10.7 SD: 0.01 RSD(%): 0.1

Sample ID: 0894 Sequence No.: 00066 Sampler Position: 16

Concentration (ug/L): 0.4
Concentration (ug/L): 2.1

Mean Conc (ug/L): 1.2 SD: 1.20 RSD(%): 97.6

Sample ID: - Sequence No.: 00067 Sampler Position: 17

Concentration (ug/L): 11.4
Concentration (ug/L): 11.3

Mean Conc (ug/L): 11.3 SD: 0.06 RSD(%): 0.5

Sample ID: 0895 Sequence No.: 00068 Sampler Position: 18

Concentration (ug/L): 2.1
Concentration (ug/L): 1.8

Mean Conc (ug/L): 2.0 SD: 0.22 RSD(%): 11.3

Sample ID: + Sequence No.: 00069 Sampler Position: 19

Concentration (ug/L): 11.2
Concentration (ug/L): 11.2

Mean Conc (ug/L): 11.2 SD: 0.05 RSD(%): 0.4

Sample ID: 0896 Sequence No.: 00070 Sampler Position: 20

Concentration (ug/L): 0.8
Concentration (ug/L): -0.1

Mean Conc (ug/L): 0.3 SD: 0.61 RSD(%): 184.1

Sample ID: + Sequence No.: 00071 Sampler Position: 21

Concentration (ug/L): 9.9
Concentration (ug/L): 9.9

Mean Conc (ug/L): 9.9 SD: 0.01 RSD(%): 0.1

Sample ID: 0897 Sequence No.: 00072 Sampler Position: 22

Concentration (ug/L): 0.6
Concentration (ug/L): 0.5

Mean Conc (ug/L): 0.5 SD: 0.09 RSD(%): 17.1

Sample ID: - Sequence No.: 00073 Sampler Position: 23

Concentration (ug/L): 11.2
Concentration (ug/L): 11.0

Mean Conc (ug/L) 11.1 SD: 0.14 RSD(%): 1.2

Sample ID: CCV Sequence No.: 00074 Sampler Position: 24

Concentration (ug/L): 28.5
Concentration (ug/L): 30.9

Mean Conc (ug/L): 29.7 SD: 1.67 RSD(%): 5.6

Sample ID: CCB Sequence No.: 00075 Sampler Position: 25

Concentration (ug/L) 0.5
Concentration (ug/L): 1.4

Mean Conc (ug/L) 0.9 SD: 0.69 RSD(%): 73.1

Sample ID: 0904SPK Sequence No.: 00076 Sampler Position: 26

Concentration (ug/L): 2.6
Concentration (ug/L): 2.3

Mean Conc (ug/L): 2.4 SD: 0.28 RSD(%): 11.9

Sample ID: 0905SPKD Sequence No.: 00077 Sampler Position: 27

Concentration (ug/L): 3.8
Concentration (ug/L): 2.2

Mean Conc (ug/L): 3.0 SD: 1.16 RSD(%): 38.8

Sample ID: 0898 Sequence No.: 00078 Sampler Position: 28

Concentration (ug/L) 1.9
Concentration (ug/L): 3.3

Mean Conc (ug/L) 2.6 SD: 0.94 RSD(%): 36.2

Sample ID: - Sequence No.: 00079 Sampler Position: 29

Concentration (ug/L) 11.7
Concentration (ug/L 12.1

Mean Conc (ug/L) 11.9 SD: 0.33 RSD(%): 2.7

Sample ID: 0899 Sequence No.: 00080 Sampler Position: 30

Concentration (ug/L): 2.1
Concentration (ug/L): 2.8

Mean Conc (ug/L): 2.5 SD: 0.50 RSD(%): 20.4

~~~~~~

Sample ID: + Sequence No.: 00081 Sampler Position: 31

Concentration (ug/L): 11.6
Concentration (ug/L): 11.0

Mean Conc (ug/L): 11.3 SD: 0.47 RSD(%): 4.1

~~~~~~

Sample ID: 91010934 Sequence No.: 00082 Sampler Position: 32

Concentration (ug/L): 0.3
Concentration (ug/L): 1.5

Mean Conc (ug/L): 0.9 SD: 0.89 RSD(%): 100.6

~~~~~~

Sample ID: + Sequence No.: 00083 Sampler Position: 33

Concentration (ug/L): 10.9
Concentration (ug/L): 10.4

Mean Conc (ug/L): 10.6 SD: 0.37 RSD(%): 3.5

~~~~~~

Sample ID: 0956SFK Sequence No.: 00084 Sampler Position: 34

Concentration (ug/L): 2.6
Concentration (ug/L): 3.6

Mean Conc (ug/L): 3.1 SD: 0.70 RSD(%): 22.4

~~~~~~

Sample ID: 0957SPKD Sequence No.: 00085 Sampler Position: 35

Concentration (ug/L): 2.5
Concentration (ug/L): 2.0

Mean Conc (ug/L): 2.2 SD: 0.34 RSD(%): 14.9

~~~~~~

Sample ID: CCV Sequence No.: 00086 Sampler Position: 36

Concentration (ug/L): 29.1
Concentration (ug/L): 29.6

Mean Conc (ug/L): 29.9 SD: 1.06 RSD(%): 2.?

TITLE: Se Furn.

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TEST CODE:	DATE ANALYST	LAB NUMBER:	RESULT	UNITS	SAMPLE	SPIKE	SPIKE ADDED	% REC	COMMENTS:
SL850	2-6-91	Blank		ug/L	1.0				
	PLH	ICV	54.6		54.6				52.0/54.6/105%
		ICB	ND(5.0)		0.1				
		CRA	6.7		6.7				
		91020198			14.3	23.5	Matrix Spike Replication Unavailable		(K) (19.2 / 27.1)
		91020198			16.9	29.8	"	"	1:2 (40.9 / 18.5)
		91020199	10.0/10.1	101%	13.1	26.2	10.0		1:2 Spk
		91020200	1.19/1.01	16 RPD	12.2	24.4	10.0		1:2 Spk Dup
		91020201	ND(0.005)	mg/L	1.0	9.3	10.0	93	PB
		CCV	30.5	ug/L	30.5				30.0/30.5/102%
		CCB	ND(5.0)		4.9				
		91020202	25.0/25.6	103%	25.6	33.7	10.0	81	LCS
		91020203	1.00/1.00	100%	10.0	1,000.00			1:100 Spk
		TCB	ND(0.01)	mg/L	6.8		Replication Unavailable		
		91020198	ND(0.025)	mg/L	2.4	13.9	10.0	115	1:5 DIL
		CCV	29.7	ug/L	29.7				30.0/29.7/99%
		CCB	ND(5.0)		2.1				
	2-7-91	Blank			0.000				
	PLH	1.0			0.013				
		21.0			21.5				
		36.0			38.6				
		100.0			103.3				
		Blank			0.4				
		ICV			50.1				
		ICB			0.9				
		CRA	5.0		4.7				
350		91010889 PN	ND(0.5/5.0)	ug/Kg	2.2	9.4	10.0	72	
		91010890 PN	ND(0.5/5.0)		1.5	9.0	10.0	90	
		91010891 PN	ND(0.5/5.0)		2.2	9.0	10.0	68	
350		91010892 PN	ND(0.5/5.0)	mg/Kg	1.8	9.7	10.0	97	
		CCV	27.2		27.2				30.0/27.2/91%
		CCB			0.6				
									TO PAGE NO.

ITNESSED & UNDERSTOOD BY ME. | DATE: | INVENTED BY | DATE: 2-6-91

RECORDED BY Peggy Henderson

TITLE: SE Fund.

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BOOK NO 1362

TEST CODE:	DATE ANALYST	LAB NUMBER:	RESULT	UNITS	SAMPLE	SPIKE	SPIKE ADDED	% REC	COMMENTS:
	2-7-91	Blank			0.002				
	PLH	4.0			0.009				
		24.0			26.7				
		36.0			34.5				
		60.0			57.2				r=.99872
		Blank			0.3				
		ICV	52.0		52.3				52.0/52.3/101%
		ICB			0.4				ND(5.0) ug/L
		CRA	5.0		3.2				
<350		91010893	PH ND(0.5)/5.0	mg/Kg	4.2	13.6	10.0	94	1:5 PH
		91010894	ND(0.5)	mg/Kg	3.3	10.3	10.0	70	
		91010895	ND(0.5)	mg/Kg	2.5	10.9	10.0	84	
		91010896	ND(0.5)	mg/Kg	1.9	11.0	10.0	110	
<350		91010897	ND(0.5)	mg/Kg	0.9	10.3	10.0	103	
		CCV	31.1	ug/L	31.1				30.0/31.1/104%
	(350)	CCB			0.2				ND(5.0) ug/L
= 350	91010956	91010904	10.0/7.1/	71%	7.1	—	—		Spk
	91010957	91010905	7.1/6.4/	10 RPD	6.4	—	—		Spk Dup
		91010898	ND(0.5)	mg/Kg	3.2	11.6	10.0	84	
		91010899	ND(0.5)	mg/Kg	2.5	12.0	10.0	95	
<350		91010954	ND(0.5)	mg/Kg	2.6	11.3	10.0	87	
		91010956			5.6	Redo	By 2		Spk
		91010957			8.6				Spk Dup
		CCV	31.4	ug/L	31.4				30.0/31.4/105%
		CCB			3.7				ND(5.0) ug/L
	2-11-91	Blank			0.002				
	PLH	4.0			0.012				
		24.0			23.2				
		36.0			37.2				
		60.0			60.0				
		Blank			0.3				
		ICV			50.3				
		ICB			0.5				
		CRA	5.0		4.6				
<350		91010126	ND(5.0)	ug/L	2.4	r= .9996			TO PAGE NO.

WITNESSED & UNDERSTOOD BY ME. DATE:

INVENTED BY

RECORDED BY Peggy Henderson

DATE: 2-11-91

TITLE: Se Furn.

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BOOK NO 1362

TEST CODE:	DATE ANALYST	LAB NUMBER:	RESULT	UNITS	SAMPLE	SPIKE	SPIKE ADDED	% REC	COMMENTS:
	2-11-91	+1			3.4	MSA			
	PLH	+2			4.5	MSA			
		CCV	28.3		28.3				28.3/30.0/94%
		CCB			-0.5				ND(5.0) ug/L
L350		91010906	ND(5.0)	ug/L	0.3	9.1	10.0	91	PB
		91010907	25.0/22.9	92%	22.9	32.4		95	LCS
		91010910	ND(5.0)	ug/L	0.3	9.1		91	PB
		91010911	25.0/22.9	92%	22.9	32.4		95	LCS
	91010958	91010958	ND(5.0)	ug/L	-0.3	9.1		91	PB
		91010959	25.0/22.9	92%	22.9	32.4		95	LCS
		91010954	ND(0.5)	mg/Kg	0.1	7.8		78	
L350		91010876	ND(5.0)	ug/L	0.3	5.0	10.0	50	
		CCV	27.6		27.6				27.6/30.0/92%
		CCB			0.8				ND(5.0) ug/L
L350		91010877			0.1	3.6	Redo/2		
		91010878			0.8	2.8	Redo/2		
		91010881	ND(5.0)	ug/L	0.3	9.1	10.0	91	PB
		91010882	25.0/22.9	92%	22.9	32.4		95	LCS
		91010902	ND(5.0)	ug/L	0.3	9.1		91	PB
		91010903	25.0/22.9	92%	22.9	32.4		95	LCS
		91011020	ND(5.0)	ug/L	0.3	9.1		91	PB
		91011021	25.0/22.9	92%	22.9	32.4	10.0	95	LCS
L350		91010884	ND(5.0)	ug/L	0.7	5.8			
		CCV	26.9			26.9			26.9/30.0/90%
		CCB				-0.6			ND(5.0) ug/L
	2-11-91	Blank			0.001				
	PLH	4.0			0.011				
		24.0			23.5				
		36.0			38.3				
		60.0			59.4				
		Blank			-0.5				
		ICV			51.9				
		ICB			0.4				
		CRA	5.0		3.9				
L350		91010877	ND(5.0)	ug/L	0.9	5.0	10.0	50	TO PAGE NO.

WITNESSED & UNDERSTOOD BY ME. DATE:

INVENTED BY

RECORDED BY Peggy Henderson

DATE: 2-11-91

GC/MS Tuning and Mass Calibration

BROMOFLUOROBENZENE

Case Number:		Laboratory:		Contract:	
Inst ID:	5100	Sens Date:	01/24/91	Sens Time:	8:54:00
Lab ID:	0124EBF	Cali Date:		Analyst:	JMM

Data release authorized by: _____

m/z	Ion Abundance Criteria	Spec # 149	
50	15 to 40% of mass 95	24.55	
75	30 to 60% of mass 95	46.15	
95	base peak, 100% relative abundance	100.00	
96	5 to 9% of mass 95	6.49	
173	less than 1% of mass 95	0.00	
174	greater than 50% of mass 95	59.25	
175	5 to 9% of mass 174	3.46	(5.84) 1
176	between 95% and 101% of mass 174	57.69	(97.37) 1
177	5 to 9% of mass 176	4.28	(7.41) 2

1 - value in parenthesis is % of mass 174
2 - value in parenthesis is % of mass 176

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: WILSON LABS Contract:

Lab Code: WILSON Case No.: STANO SAS No.: SDG No.:

Instrument ID: 5100EF Calibration date: 01/24/91 Time: 920

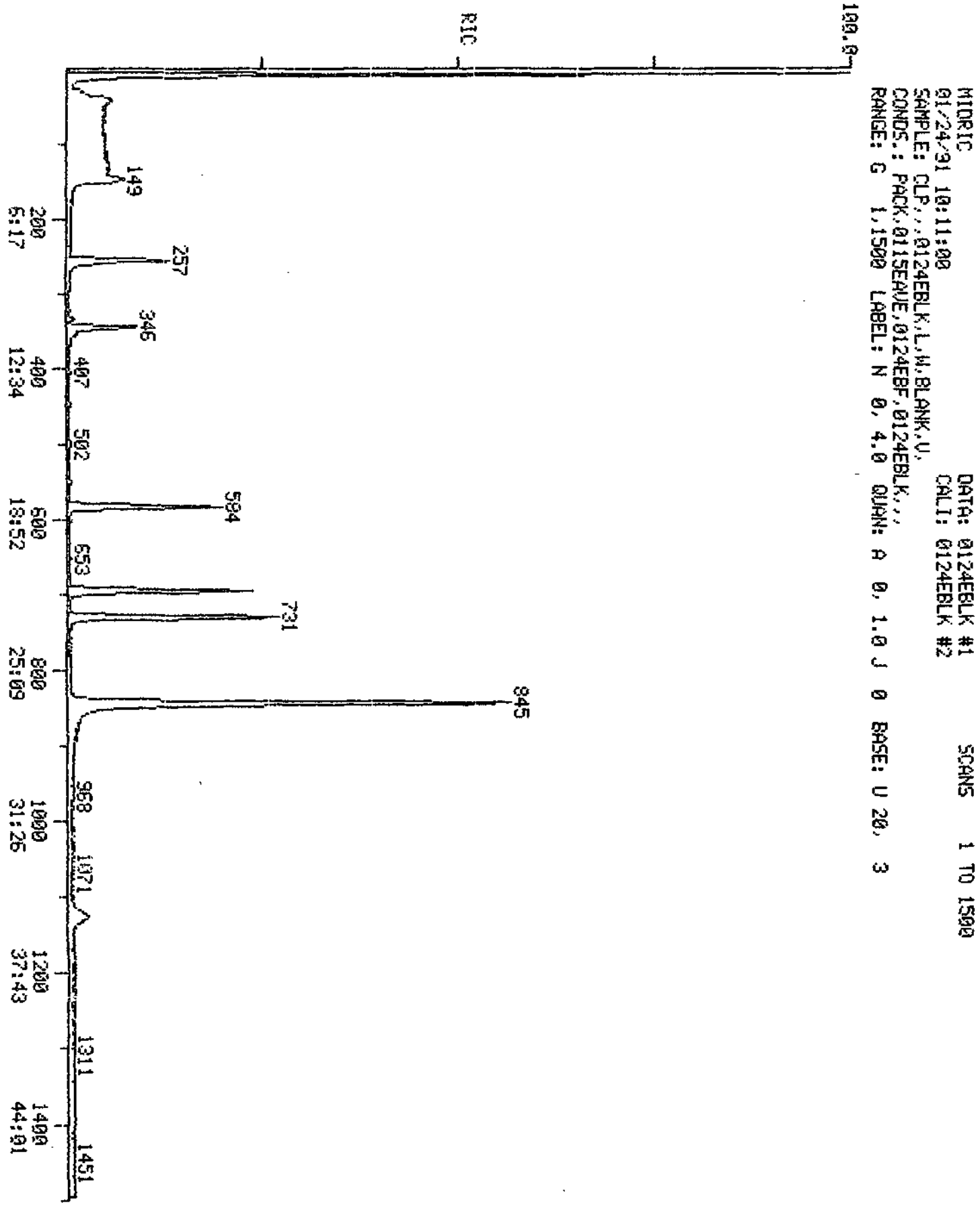
Lab File ID: 0124E50 I.C.L. Calib. Date(s): 01/15/91 01/15/91

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

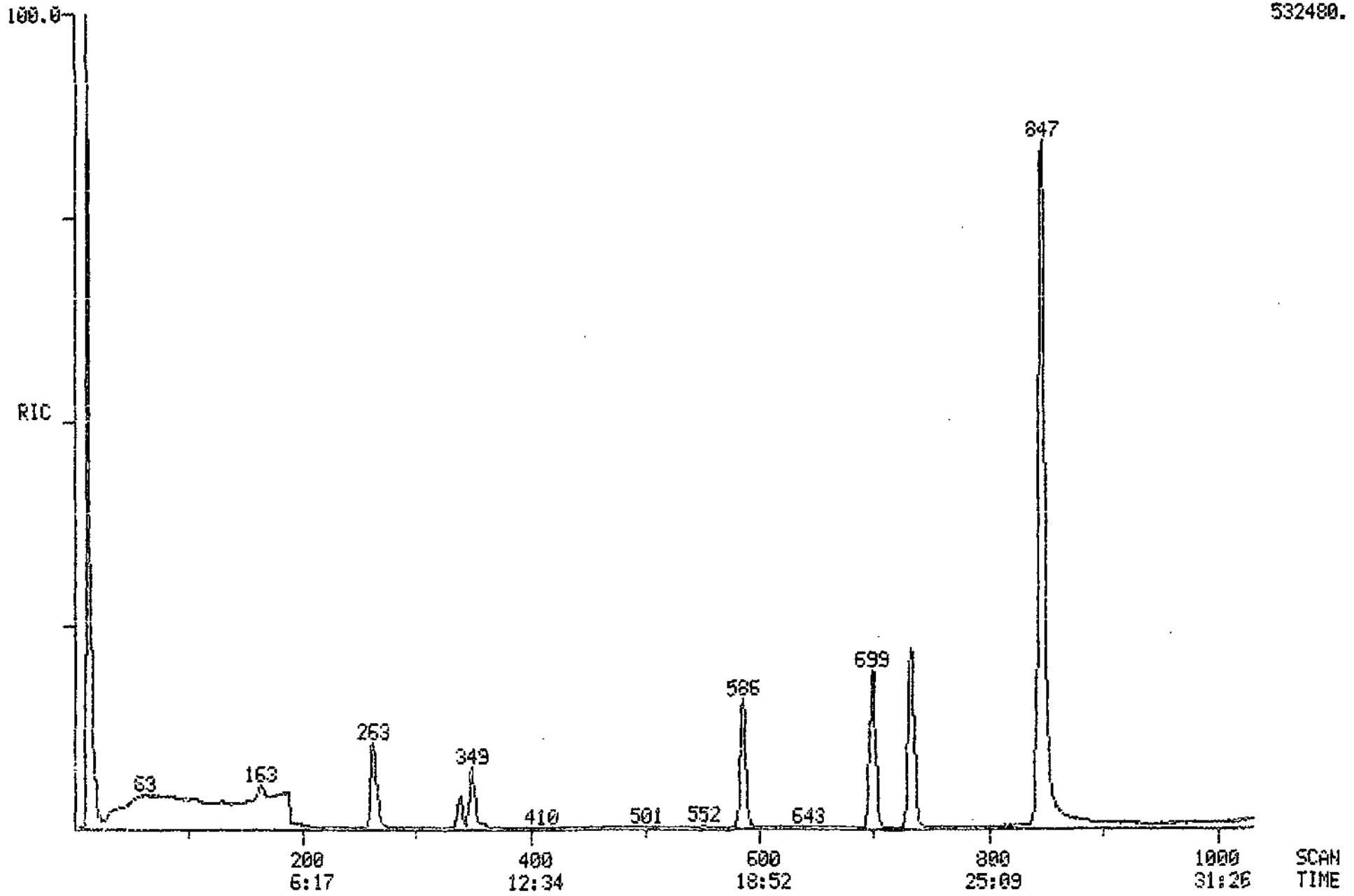
Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Chloromethane #	1.403	1.689	-20.4 #
Bromomethane	1.417	2.654	-87.3
Vinyl Chloride *	1.480	1.623	-9.7 *
Chloroethane	1.305	1.506	-15.4
Methylene Chloride	2.263	2.829	-25.0
Acetone	0.592	0.645	-9.0
Carbon Disulfide	2.887	3.682	-27.5
1,1-Dichloroethene *	1.175	1.050	10.6 *
1,1-Dichloroethane #	2.473	2.806	-13.5 #
1,2-Dichloroethene (total)	2.951	3.390	-14.9
Chloroform *	2.676	2.671	0.2 *
1,2-Dichloroethane	1.516	2.135	-40.8
2-Butanone	0.038	0.043	-13.2
1,1,1-Trichloroethane	0.470	0.510	-8.5
Carbon Tetrachloride	0.401	0.430	-7.2
Vinyl Acetate	0.040	0.055	-37.5
Bromodichloromethane	0.631	0.662	-4.9
1,2-Dichloropropane *	0.473	0.451	4.7 *
cis-1,3-Dichloropropene	0.409	0.407	0.5
Trichloroethene	0.537	0.478	11.0
Dibromochloromethane	0.583	0.499	14.4
1,1,2-Trichloroethane	0.471	0.403	14.4
Benzene	1.295	1.271	1.9
Trans-1,3-Dichloropropene	0.409	0.407	0.5
Bromoform #	0.317	0.264	16.7 #
4-Methyl-2-Pentanone	0.339	0.447	-31.9
2-Hexanone	0.270	0.419	-55.2
Tetrachloroethene	0.402	0.365	9.2
1,1,2,2-Tetrachloroethane #	0.637	0.566	11.2 #
Toluene *	0.759	0.801	-5.5 *
Chlorobenzene #	1.158	1.089	6.0 #
Ethylbenzene *	0.467	0.467	0.0 *
Styrene	1.023	0.887	13.7
Total Xylenes	0.327	0.288	11.9
Toluene-d8	1.300	1.258	3.2
BFB	1.096	1.246	-13.7
1,2-Dichloroethane-d4	1.364	1.931	-41.6

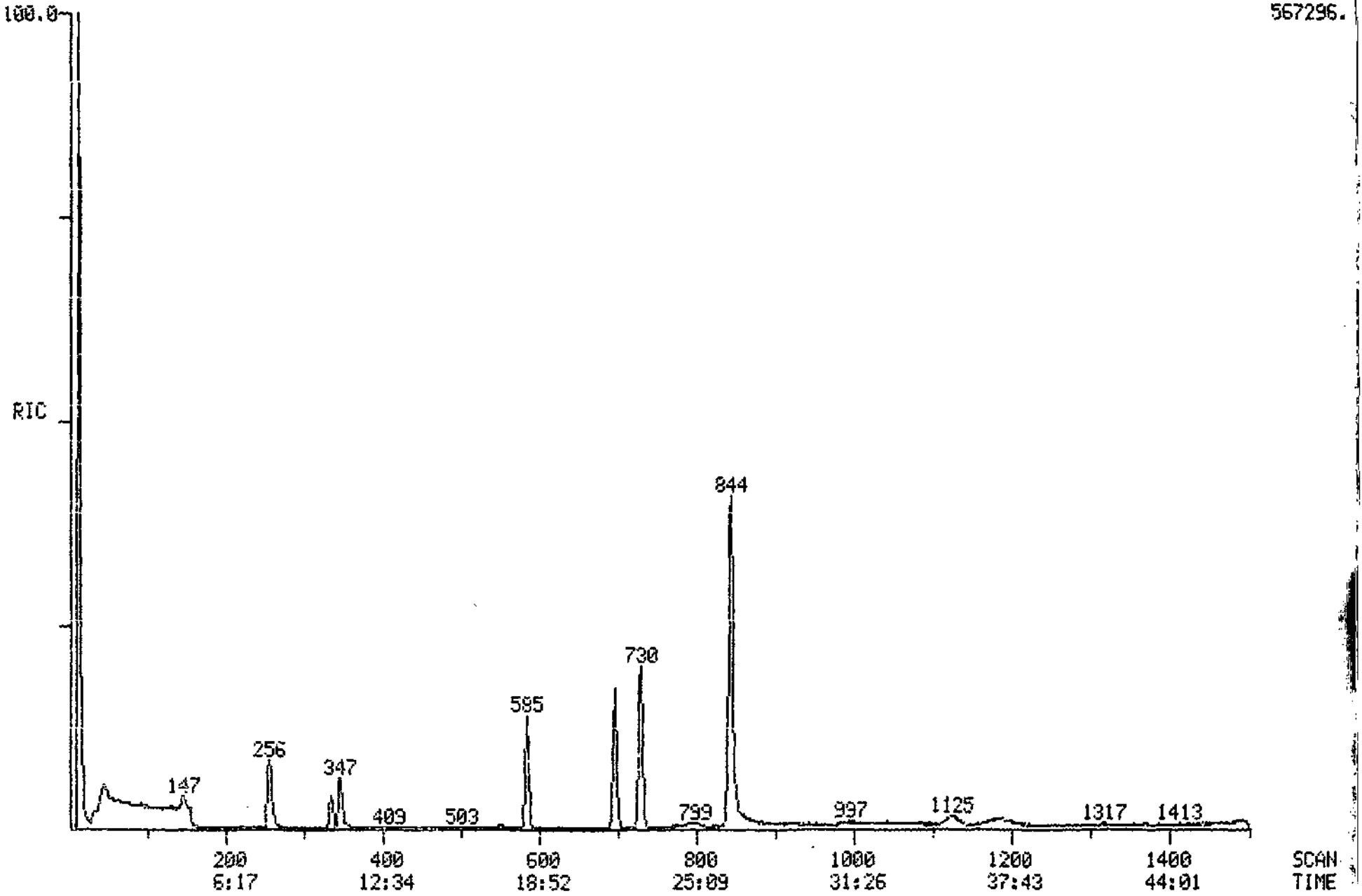
TCA FINISHED, 21 FOUND
FINISHED AT: 2/04/91 12:49:05



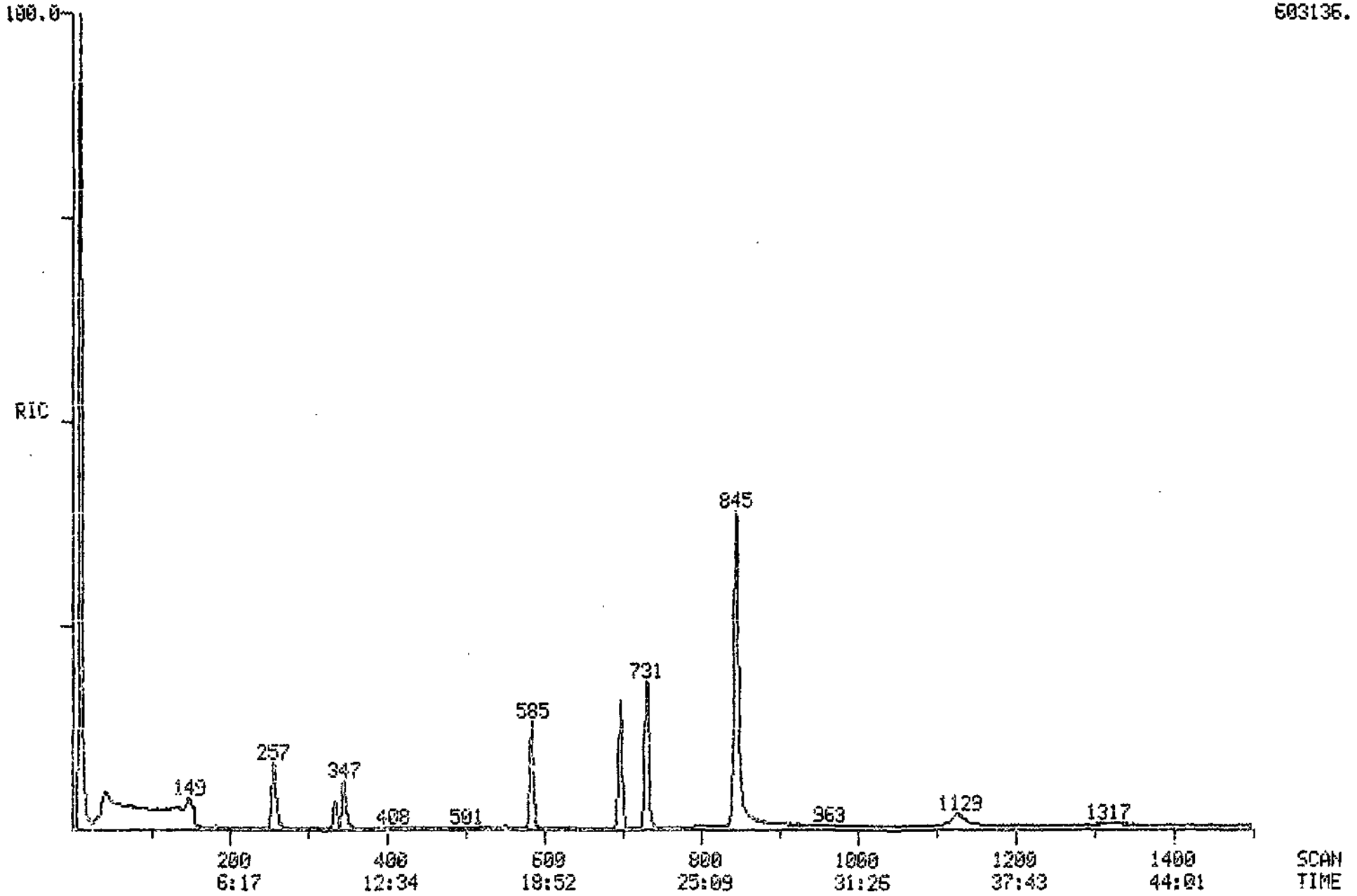
MIDRIC DATA: 0124E02 #1 SCANS 1 TO 1029
01/24/91 12:54:00 CALI: 0124E02 #2
SAMPLE: CLP,,,0124E02,L,W,91010844,V,
CONDS.: PACK,0115EAVE,0124EBF,0124EBLK,,,
RANGE: G 1,1029 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



MIDRIC DATA: 0124E07 #1 SCANS 1 TO 1500
01/24/91 15:40:00 CALI: 0124E07 #2
SAMPLE: CLP,,,0124E07,L,W,91010886,V,
CONDS.: PACK,0115EAVE,0124EBF,0124EBLK,,,
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



MIDRIC DATA: 0124E09 #1 SCANS 1 TO 1500
01/24/91 18:29:00 CALI: 0124E09 #2
SAMPLE: CLP,,,0124E09,L,W,9101088S,V,
CONDS.: PACK,0115EAVE,0124EBF,0124EBLK,,,
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



1409-53

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/13 Time: 17:16
Date of Report: 91/02/14 Time: 13:24

		Cr Ib SL311 ug/l	
ICV ICAP		1115	
ICB		ND(10)	
CRI		14	
INTWO		ND(10)	
INTW		229	
91010902	PBwBLH	ND(10)	
91010903	LCSw	200/180/90%	
91010884	3	ND(10)	
91010885	3	ND(10)	
91010900	S	200/174/87%	
91010901	DS 87/86/1RPD	171	
91010885	L	ND(10)	
CCV		5319	
CCB		ND(10)	
91010886	3	ND(10)	
91010887	3	ND(10)	
91010888	3	ND(10)	
91010906	PBsRDJ	ND(1.0)	mg/kg
91010907	LCSs	200/187/94%	
91010889	3s	46.0	mg/kg
91010890	3s	14.8	
91010891	3s	30.5	
91010892	3s	32.2	
91010893	3s	11.7	
CCV		5509	
CCB		ND(10)	
91010894	3s	21.6	mg/kg
91010895	3s	33.7	
91010896	3s	16.5	
91010897	3s	17.1	
91010904	Ss/908	344	200/173/86%
91010905	DSs/909	525	86/177/69 RPD
91010897	L	12	
91010898	3s	46.9	mg/kg
91010899	3s	44.7	
CCV		5439	
CCB		ND(10)	
91010910/958PBs		ND(1.0)	mg/kg 91010958
91010911/959LCS		200/196/98%	91010959
91010954	3s	856	
91010[redacted]/956	Ss	771	
91010[redacted]/957	DS	1021	
91010954	L	83	
CRI		16	
INTWO		ND(10)	
INTW		219	
CCV		5312	

(cont.)

CCB

Cr Ib
SL 11 ug/l
ND(10)

1409-35

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/13 Time: 17:16
Date of Report: 91/02/14 Time: 13:29

		Cd II SL307 ug/l	Cd Ib SL307 ug/l
ICV ICAP		928	1026
ICB		ND(5)	ND(5)
CRI		8	13
INTWO		20	ND(5)
INTW		399	402
91010902	PBwBLH	ND(5)	ND(5)
91010903	LCSw	40	50/51/102%
91010884	3	ND(5)	ND(5)
91010885	3	ND(5)	ND(5)
91010900	S 770	40	50/45/90%
91010901	DS 771	40	47 90/94/4RPD
91010885	L	ND(5)	ND(5)
CCV		491	543
CCB		ND(5)	ND(5)
91010886	3	ND(5)	ND(5)
91010887	3	ND(5)	ND(5)
91010888	3	ND(5)	ND(5)
91010906	PBsRDJ	ND(5)	ND(5)
91010907	LCSs	40	52
91010889	3s	13	ND(5)
91010890	3s	13	ND(5)
91010891	3s	30	ND(5)
91010892	3s	18	ND(5)
91010893	3s	16	ND(5)
CCV		512	561
CCB		ND(5)	ND(5)
91010894	3s	21	ND(5)
91010895	3s	15	ND(5)
91010896	3s	10	ND(5)
91010897	3s	7	ND(5)
91010904	Ss	66	48
91010905	DSs	69	46
91010897	L	ND(5)	ND(5)
91010898	3s	14	ND(5)
91010899	3s	7	ND(5)
CCV		500	548
CCB		ND(5)	ND(5)
91010910/958	PBs	ND(5)	ND(5)
91010911/959	LCS	43	48
91010954	3s	303	321
91010[redacted]/956	Ss	305	311
91010[redacted]/957	DS	359	390
91010954	L	30	34
CRI		6	5
INTWO		31	ND(5)
INTW		406	405
CCV		484	547

1407 SD

(cont.)	Cd II	Cd Ib
	SL 07 ug/l	SL 07 ug/l
CCB	ND(5)	ND(5)

1409-198

Perkin-Elmer ICP/6500 Analytical Report

Method File:

Date Collected: 91/02/15 Time: 11:30
Date of Report: 91/02/15 Time: 13:31

	Cd I SL307 ug/l	Cd II SL 07 ug/l	Cd IIb SL307 ug/l	Cd Ib SL 07 ug/l
ICV ICAP	897	844	859	890
ICB	ND(5)	ND(5)	ND(5)	ND(5)
CRI	9	6	9	8
INTWO	36	37	18	32
INTW	418	393	380	409
91010906 PBsRDJ	ND(0.5) mg/kg	ND(5)	ND(5) ND(0.5) mg/kg	ND(5)
91010907 LCSs	50/43/86%	40	40 50/40/80%	43
91010889/5 3s	10	9	ND(5) ND(2.5) mg/kg	10
91010890/5 3s	ND(5)	ND(5)	ND(5) ND(2.5)	ND(5)
91010891/5 3s	8	8	5 25	10
91010892/5 3s	ND(5)	10	6 30	6
91010893/5 3s	5	ND(5)	ND(5) ND(2.5) mg/kg	ND(5)
CCV	501	465	470	505
CCB	ND(5)	ND(5)	ND(5)	ND(5)
91010894/5 3s	8	8	ND(5) ND(2.5)	ND(5)
91010895/5 3s	10	10	ND(5) ND(2.5)	6
91010896/5 3s	ND(5)	ND(5)	ND(5) ND(2.5)	ND(5)
91010897/5 3s	6	6	ND(5) ND(2.5)	ND(5)
91010908/5 Ss	16	13	10 50/50/100%	10
91010909/5 DSs	16	13	8 40/50/22 RPD	12
91010897 L	ND(5)	ND(5)	ND(5)	ND(5)
91010898/5 3s	8	9	ND(5) ND(2.5) mg/kg	7
91010899/5 3s	6	7	ND(5) ND(2.5)	5
CCV	521	488	495	519
CCB	ND(5)	ND(5)	ND(5)	ND(5)
91010910/9101 0958PBs	ND(5)	ND(5)	ND(5) ND(0.5) mg/kg	ND(5)
91010911/959LCS	49	46	50/46/92%	51
91010954/5 3s	78	68	71	71
91010[redacted]:956/5S	73	66	67	75
91010[redacted]:957/5D	86	82	83	85
91010954 L	40	34	36	36
CRI	9	9	10	9
INTWO	48	54	15	27
INTW	447	425	401	429
CCV	544	503	518	540
CCB	ND(5)	ND(5)	ND(5)	ND(5)
Sample 37	ND(5)	ND(5)	ND(5)	ND(5)
Sample 38	ND(5)	ND(5)	ND(5)	ND(5)
Sample 39	ND(5)	ND(5)	ND(5)	ND(5)