0074251

SAF-RC-082
RCBRA-Inter-Areas Shoreline Assessment – Sediment Sampling
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jackie Queen H4-22 KW 10/9/07
Initials/Date

COMMENTS:

SDG EAS031507 SAF-RC-082

Rad only X Chem only Rad & Chem

X Complete Partial

RECEIVED
OCT 2 9 2007
EDMC

Waste Site: RCBRA 2j Aq

SDG: EAS 3-15-07

Report of Analysis

environmental services

For: Environmental Assessment Services

Attn: Brett Tiller

Project Manager:

RECEIVED SEP

18-Sep-07

Client Sample ID: J13TX7
Site:

Lab Sample ID: 07591-01
Collection Date: 3/14/2007 1:45 PM

Analyte	Sample Result	Method	Detection Limit	Analysis Date
Chromium VI	< 0.5 mg/Kg	SM 3500-Cr	0.5 mg/Kg	3/15/2007

NA = not analyzed

ISO 14001
350 Hills Street, Suite 107
Richland, WA 99354-5511
(509) 377-8058

ENERGY NORTHWEST
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RC-082

Date : 3/15/2007 Time : 11:33:47

Concentration Results

SDG: EAS 3-15-07

Date: 3/15/07 Time: 11:31:24 AM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single wavelength
Slit: UV/VIS: 2.00 nm
Baseline: No correction (0.00 0.00)
Result Filename: 03-15-07.RCO
Autozero performed: 3/15/07 11:30:09 AM
Analyst:

Wavelength(s)		Sample ID	Ordinate	Factor	Concentration		Sample Info
540.0	0.0	RB	0.0080	1.0000	7.4908	ug/L	
540.0	0.0	RB	0.0015	1.0000	-0.337	ug/L	
540.0	0.0	LCS	0.0855	1.0000	100.88	ug/L	100 ug/L
540.0	0.0	RJ13TX7	0.0039	1.0000	2.6375	ug/L	+100 ug/L
540.0	0.0	J13TX7	0.0039	1.0000	2.5894	ug/L	
540.0	0.0	J13TX7P	0.0033	1.0000	1.8186	ug/L	Solid c̄ Df 25 =>

<0.500 mg/K

Date : 3/15/2007 Time : 11:31:15

CALIBRATION

SDG EAS 3-15-07

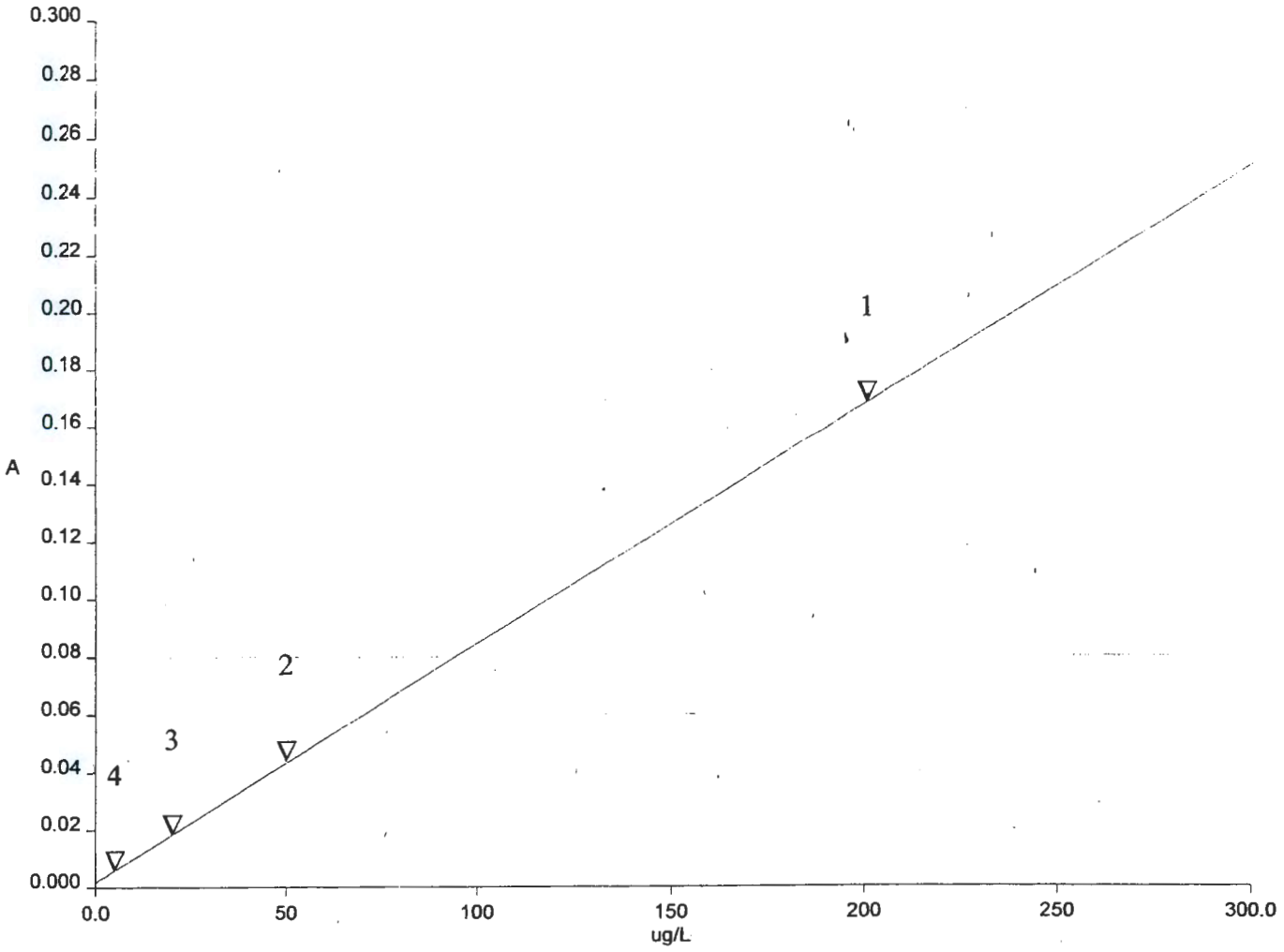
Date: 3/15/07 Time: 11:30:10 AM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single wavelength
Baseline: No correction (0.00 0.00)
Analyst:

Wavelength(s)		Sample ID	Concentration		Ord. value	Comment
540.0	0.0	A.A01	200.00	ug/L	0.1677	200 ug/L std
540.0	0.0	B.A02	50.000	ug/L	0.0438	50 ug/L std
540.0	0.0	C.A03	20.000	ug/L	0.0181	20 ug/L std
540.0	0.0	D.A04	5.0000	ug/L	0.0057	5 ug/L std

Equation: y = 1.749883e-03 + 8.303653e-04 * x

Residual error: 0.000463
Correlation coefficient: 0.999987

Calibration Curve



Spectrum Name: HEXCHROM

Description: y = 1.749883e-03 + 8.303653e-04 * x

Comments: RE = 4.633002e-04, CC = 9.999870e-01

Date Created: Thu Mar 15 11:31:08 2007

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-082-46	Page 1 of 1
Collector B. TILLER	**Company Contact** JOAN KESSNER	**Telephone No.** 375-4688	**Project Coordinator** KESSNER, JH	**Price Code** / **Data Turnaround** **45 Days**
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Sediment	**Sampling Location** RCBRA 2j Aq		**SAF No.** RC-082	**Air Quality** ☐
Ice Chest No.	**Field Logbook No.** EL-1612	**COA** BESBEA6520	**Method of Shipment** GROUND TRANSPORT	
Shipped To Field Analysis Activities	**Offsite Property No.**		**Bill of Lading/Air Bill No.** SEE OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

NONE

Special Handling and/or Storage

COOL 4 C

Preservation	None										
Type of Container	aG										
No. of Container(s)	1										
Volume	20g										
SAMPLE ANALYSIS	INORGANIC BY TEST KIT (Hexavalent Chromium)										
Sample No.	Matrix *	Sample Date	Sample Time								
J13TX7	OTHER SOLID	3-14-07	1345	X							

CHAIN OF POSSESSION	Sign/Print Names			
Relinquished By/Removed From	Date/Time 1700 3-14-07	Received By/Stored In	Date/Time 1700 3-14-07	
Relinquished By/Removed From	Date/Time 0800 3-15-07	Received By/Stored In TRK Locker	Date/Time 0800 3-15-07	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	

SPECIAL INSTRUCTIONS

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

LABORATORY SECTION	Received By	Title		Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By	Date/Time