0074164

SAF-RC-084
RCBRA-Inter-Areas Shoreline Assessment – Pore & Surface Water Sampling
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

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

COMMENTS:

SDG EAS020607 SAF-RC-084

Rad only X Chem only Rad & Chem

X Complete Partial

WASTE SITE: RCBRA 2i Aq, SURFACE WATER
RCBRA 2j Aq, SURFACE WATER

RECEIVED
OCT 17 2007
EDMC

SDF: EAS 2-6-07

environmental services

Report of Analysis

For: Environmental Assessment Services

Attn: Brett Tiller

Project Manager:

Client Sample ID: J13VK1 **Lab Sample ID:** 07487-03
Site: **Collection Date:** 2/5/2007 3:00 PM

Analyte	Sample Result	Method	Detection Limit	Analysis Date
Chromium, hexavalent	< 3 µg/L	SM 3500-Cr	3 µg/L	2/6/2007

Client Sample ID: J13VH7 **Lab Sample ID:** 07487-05
Site: **Collection Date:** 2/6/2007 12:30 PM

Analyte	Sample Result	Method	Detection Limit	Analysis Date
Chromium, hexavalent	< 3 µg/L	SM 3500-Cr	3 µg/L	2/6/2007

NA = not analyzed

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

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RC-084

SDG: EAS 2-6-07

Date : 2/6/2007 Time : 10:14:03

Concentration Results

Date: 2/6/07 Time: 10:12:13 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: HC020607.RCO
Autozero performed: 2/6/07 10:09:35 AM
Analyst:

Wavelength(s)		Sample ID	Ordinate	Factor	Concentration		Sample Info
540.0	0.0	BLANK	0.0007	1.0000	-2.378	ug/L	
540.0	0.0	LCS	0.0879	1.0000	100.59	ug/L	101%
540.0	0.0	SSK1	0.0892	1.0000	102.21	ug/L	101%
540.0	0.0	RK1	0.0041	1.0000	1.6598	ug/L	
540.0	0.0	K1	0.0050	1.0000	2.6871	ug/L	

SDG: EAS 2-6-07

Date : 2/6/2007 Time : 15:31:11

Concentration Results

Date: 2/6/07 Time: 3:30:57 PM
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: HC020607.RCO
Autozero performed: 2/6/07 3:30:28 PM
Analyst:

Wavelength(s)		Sample ID	Ordinate	Factor	Concentration		Sample Info
540.0	0.0	J13VH7	0.0051	1.0000	2.8169	ug/L	

SDG - EAS 2-6-07

Date : 2/6/2007 Time : 10:11:52

CALIBRATION

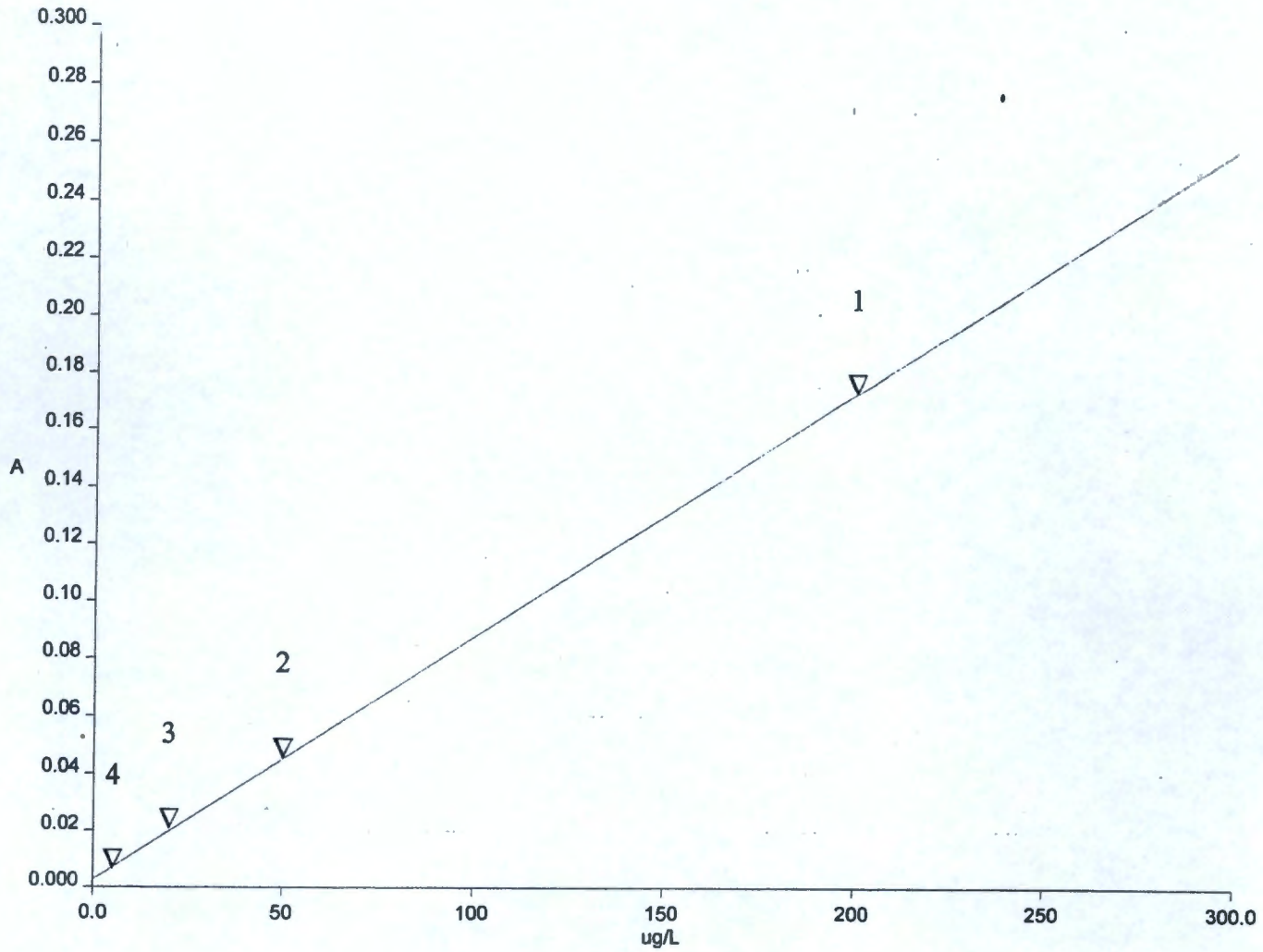
Date: 2/6/07 Time: 10:09:35 AM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single wavelength
Baseline: No correction (0.00 0.00)
Analyst:

Wavelength(s)		Sample ID	Concentration		Ord. value	Comment
540.0	0.0	A.A01	200.00	ug/L	0.1720	200 ug/L std
540.0	0.0	B.A02	50.000	ug/L	0.0451	50 ug/L std
540.0	0.0	C.A03	20.000	ug/L	0.0205	20 ug/L std
540.0	0.0	D.A04	5.0000	ug/L	0.0060	5 ug/L std

Equation: y = 2.674278e-03 + 8.469196e-04 * x

Residual error: 0.000881
Correlation coefficient: 0.999955

Calibration Curve



Spectrum Name: HEXCHROM

Description: y = 2.674278e-03 + 8.469196e-04 * x

Comments: RE = 8.805008e-04, CC = 9.999550e-01

Date Created: Tue Feb 06 10:11:49 2007

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-084-46	Page 1 of 1
Collector B. TILLER **JAMES BERNHARD**	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code Air Quality ☐	Data Turnaround 45 Days
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Pore & Surface	Sampling Location RCBRA 2i Aq, SURFACE WATER		SAF No. RC-084		
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												
	Preservation	None										
Special Handling and/or Storage COOL 4C	Type of Container	P/G										
	No. of Container(s)	1										
	Volume	60mL										
SAMPLE ANALYSIS		INORGANIC BY TEST KIT (Hexavalent Chromium)										
Sample No.	Matrix *	Sample Date	Sample Time									
J13VH7	WATER	2-6-07	1230	X								
~~J13VH8~~	WATER	~~SEE 2-6-07~~		~~X~~								

CHAIN OF POSSESSION	Sign/Print Names	SPECIAL INSTRUCTIONS	Matrix *
Relinquished By/Removed From **JAMES BERNHARD** Date/Time 1600 2-6-07	Received By/Stored In **EAS LOCKED STORAGE** Date/Time 1600 2-6-07		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
Relinquished By/Removed From ICG **EAS LOCKED STORAGE** Date/Time 1500 02-06-07	Received By/Stored In TR Kline Date/Time 1500 02-06-07		
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		

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

BHI-EE-011 (08/29/2005)

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-084-50	Page 1 of 1
Collector B. TILLER JAMES BERNHARD	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 - Pore & Surface	Sampling Location RCBRA 2j Aq, SURFACE WATER		SAF No. RC-084	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

-

Special Handling and/or Storage

COOL 4C

Preservation	None										
Type of Container	P/G										
No. of Container(s)	1										
Volume	60mL										
SAMPLE ANALYSIS	INORGANIC BY TEST KIT (Hexavalent Chromium)										
Sample No.	Matrix *	Sample Date	Sample Time								
J13VK1	WATER	2-5-07	1500	X							

CHAIN OF POSSESSION	Sign/Print Names		
Relinquished By/Removed From JAMES BERNHARD	Date/Time 1630 2-5-07	Received By/Stored In EAS LOCKED STORAGE	Date/Time 1630 2-5-07
Relinquished By/Removed From EAS LOCKED STORAGE ICG	Date/Time 1000 02-06-07	Received By/Stored In IVORY GRIDLEY / ICG	Date/Time 1000 02-06-07
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
SI=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