SAF-RC-006
100-N Area D4 – Other
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Bill Rodgers X9-08 KW 12/12/12
INITIAL/DATE

COMMENTS:

SDG K4008 SAF-RC-006

Rad only ☑ Chem only Rad & Chem

☑ Complete Partial

Waste Site(s): 183-D Valve House

FAX COVER SHEET

CONFIDENTIALITY NOTICE

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LIONVILLE LABORATORY

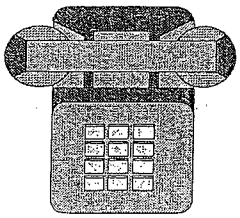
Lionville Laboratory

264 Welsh Pool Road
Exton, PA 19341-1333
Phone: (610) 280-3000
Fax: (610) 280-3041

DATE: 11/1/12

TIME:

NO. PAGES: (including cover sheet)



TO: Joan Kessler

OF: WCH

FAX #:

FROM: Arlette Johnson

COPY TO:

MESSAGE: Data for K4008 meters ✓

1210058

264 Welsh Pool Road
Exton, PA 19341
Phone: 610-280-3000
Fax: 610-280-3041

WC-Hanford, Inc.	Project: RC-006	
2620 Fermi Avenue	Project Number: K4008	**Reported:**
Richland WA, 99354	Project Manager: Joan Kessner	11/01/2012 08:16

J1R465

1210058-01 (Other Solid)

Analyte	Result and Qualifier		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Lionville Laboratory									
TCLP Metals by SW846 1311 6000/7000 series									
Arsenic	**0.0101**	B	0.0750	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Barium	**0.146**		0.00500	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Cadmium	**0.0274**		0.0150	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Chromium	**0.00470**	B	0.0250	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Lead	**1.26**		0.0500	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Selenium	0.100	U	0.100	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Silver	0.0300	U	0.0300	mg/L	5	L210226	10/26/2012	10/31/2012	6010
Mercury	**0.000148**	B	0.000200	mg/L	1	L210228	10/30/2012	10/30/2012	7470

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2620 Fermi Avenue	Project Number: K4008	**Reported:**
Richland WA, 99354	Project Manager: Joan Kessner	11/01/2012 08:16

TCLP Metals by SW846 1311 6000/7000 series - Quality Control

Lionville Laboratory

Analyte	Result and Qualifiers		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch L210226 - SW 3010A										
Blank (L210226-BLK1)				Prepared: 10/26/2012 Analyzed: 10/31/2012						
Arsenic	0.0150	U	0.0150	mg/L						
Barium	0.00100	U	0.00100	mg/L						
Cadmium	0.00300	U	0.00300	mg/L						
Chromium	0.00500	U	0.00500	mg/L						
Lead	0.0100	U	0.0100	mg/L						
Selenium	0.0200	U	0.0200	mg/L						
Silver	0.00600	U	0.00600	mg/L						
Blank (L210226-BLK2)				Prepared: 10/26/2012 Analyzed: 10/31/2012						
Arsenic	0.0750	U	0.0750	mg/L						
Barium	0.00500	U	0.00500	mg/L						
Cadmium	0.0150	U	0.0150	mg/L						
Chromium	0.0250	U	0.0250	mg/L						
Lead	0.0500	U	0.0500	mg/L						
Selenium	0.100	U	0.100	mg/L						
Silver	0.0300	U	0.0300	mg/L						
LCS (L210226-BS1)				Prepared: 10/26/2012 Analyzed: 10/31/2012						
Arsenic	10.2		0.0150	mg/L	10.000		102	80-120		
Barium	4.92		0.00100	mg/L	5.0000		98.3	80-120		
Cadmium	0.242		0.00300	mg/L	0.25000		97.0	80-120		
Chromium	0.506		0.00500	mg/L	0.50000		101	80-120		
Lead	2.43		0.0100	mg/L	2.5000		97.0	80-120		
Selenium	9.90		0.0200	mg/L	10.000		99.0	80-120		
Silver	0.508		0.00600	mg/L	0.50000		102	80-120		
Duplicate (L210226-DUP1)		**Source: 1210058-01**		Prepared: 10/26/2012 Analyzed: 10/31/2012						
Arsenic	0.0750	U	0.0750	mg/L		0.0101				20
Barium	0.147		0.00500	mg/L		0.146			0.615	20
Cadmium	0.0283		0.0150	mg/L		0.0274			3.14	20
Chromium	0.00501	B	0.0250	mg/L		0.00470			6.40	20
Lead	1.25		0.0500	mg/L		1.26			0.756	20
Selenium	0.100	U	0.100	mg/L		0.100 U				20
Silver	0.0300	U	0.0300	mg/L		0.0300 U				20

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2620 Fermi Avenue	Project Number: K4008	**Reported:**
Richland WA, 99354	Project Manager: Joan Kessner	11/01/2012 08:16

TCLP Metals by SW846 1311 6000/7000 series - Quality Control

Lionville Laboratory

Analyte	Result and Qualifiers		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch L210226 - SW 3010A										
Matrix Spike (L210226-MS1)		**Source: 1210058-01**		Prepared: 10/26/2012 Analyzed: 10/31/2012						
Arsenic	5.66		0.0750	mg/L	5.0000	0.0101	113	50-1000		
Barium	97.4		0.00500	mg/L	100.00	0.146	97.2	50-1000		
Cadmium	1.11		0.0150	mg/L	1.0000	0.0274	108	50-1000		
Chromium	5.23		0.0250	mg/L	5.0000	0.00470	105	50-1000		
Lead	6.27		0.0500	mg/L	5.0000	1.26	100	50-1000		
Selenium	1.08		0.100	mg/L	1.0000	0.100 U	108	50-1000		
Silver	4.31		0.0300	mg/L	5.0000	0.0300 U	86.2	50-1000		
Batch L210228 - SW 7470A Prep										
Blank (L210228-BLK1)				Prepared & Analyzed: 10/30/2012						
Mercury	0.000200	U	0.000200	mg/L						
Blank (L210228-BLK2)				Prepared & Analyzed: 10/30/2012						
Mercury	0.000200	U	0.000200	mg/L						
LCS (L210228-BS1)				Prepared & Analyzed: 10/30/2012						
Mercury	0.00538		0.000200	mg/L	0.0050000		108	80-120		
Duplicate (L210228-DUP1)		**Source: 1210058-01**		Prepared & Analyzed: 10/30/2012						
Mercury	0.000155	B	0.000200	mg/L		0.000148			4.62	20
Matrix Spike (L210228-MS1)		**Source: 1210058-01**		Prepared & Analyzed: 10/30/2012						
Mercury	0.202		0.0100	mg/L	0.20000	0.000148	101	50-1000		

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-006-373	Page 1 of 1
Collector R Strickland RS 10/18/12 Tony Manley	Company Contact: Bill Rodgers	Telephone No.: 206.251.7439	Project Coordinator: KESSNER, JH	Price Code: 9K — Data Turnaround: 15 Days
Project Designation: 100-N Area D4 - Other	Sampling Location: 183-D Valve House		SAF No.: RC-006	
Ice Chest No.: GWS-071	Field Logbook No.: EL-1516-21	COA: RD4MXX2F00	Method of Shipment: FedEx	
Shipped To: EBERLINE SERVICES / LIONVILLE	Offsite Property No.: A110 421		Bill of Lading/Air Bill No.: See OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS

LEAD

Special Handling and/or Storage

None

Preservation	None										
Type of Container	G										
No. of Container(s)	1										
Volume	125mL										
SAMPLE ANALYSIS	See item (1) in Special Instructions.										

WMR 10-18-12

Sample No.	Matrix *	Sample Date	Sample Time										
J1R465	OTHER	10-18-12	0815	X									

CHAIN OF POSSESSION

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
Tony Manley WCH	10-18-12 10:30	Tony Manley MO-767 FRIDGE	10/18/12 10:30
Tony Manley MO-767 Fridge	10/18/12 12:28	Received By/Stored In: FED EX	Date/Time
Fed Ex	10-19-12 10:00	D M Smith	10-19-12 10:00
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

None

(1) Metals by ICP (TCLP) - 1311/6010 {Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver}; Mercury (TCLP) - 1311/7470

REVIEWED BY JRE DATE 10/18/12

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

WCH-EE-011