



## START 3

Contract No. EP-S7-06-01

Task Order No. 0097

Prepared for

**United States Environmental Protection Agency  
Region VII**

901 North 5<sup>th</sup> Street, Kansas City, Kansas 66101

Prepared by

**Tetra Tech EM Inc.**

415 Oak Street, Kansas City, Missouri 64106

### **Washington County Lead District Furnace Creek Site Caledonia, Missouri**

### **Additional Laboratory Data**

2009

United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 03/12/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4247

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

% = Percent

FD = Field Duplicate

mg/kg = Milligrams per Kilogram

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an  
estimate.

U = The analyte was not detected at or above the reporting limit.

ASR Number: 4247

## Sample Information Summary

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	___	Solid	FRCK-588, C-1		02/05/2009	09:50			02/13/2009
2 -	___	Solid	FRCK-491, DW #1		02/06/2009	08:28			02/13/2009
3 -	___	Solid	FRCK-491, DW #2		02/06/2009	08:35			02/13/2009
4 -	___	Solid	FRCK-505, Driveway		02/06/2009	09:09			02/13/2009
4 -	FD	Solid	FRCK-505, Driveway/Field Duplicate of sample 4		02/06/2009	09:09			02/13/2009
5 -	___	Solid	FRCK-506, C-1		02/06/2009	09:41			02/13/2009
6 -	___	Solid	FRCK-506, C-2		02/06/2009	09:48			02/13/2009
7 -	___	Solid	FRCK-506, C-3		02/06/2009	10:04			02/13/2009
8 -	___	Solid	FRCK-506, Driveway		02/06/2009	10:13			02/13/2009
9 -	___	Solid	FRCK-550, Driveway		02/06/2009	10:51			02/13/2009
10 -	___	Solid	FRCK-549, Driveway		02/06/2009	11:21			02/13/2009
11 -	___	Solid	FRCK-512, C-1		02/06/2009	13:20			02/13/2009
11 -	FD	Solid	FRCK-512, C-1/Field Duplicate of sample 11		02/06/2009	13:20			02/13/2009
12 -	___	Solid	FRCK-513, Driveway		02/08/2009	13:30			02/13/2009
13 -	___	Solid	FRCK-497, Driveway		02/09/2009	08:38			02/13/2009
14 -	___	Solid	FRCK-500, Driveway		02/09/2009	09:28			02/13/2009
15 -	___	Solid	FRCK-514, Driveway		02/09/2009	17:30			02/13/2009
16 -	___	Solid	FRCK-527, Driveway		02/11/2009	14:37			02/13/2009
17 -	___	Solid	FRCK-532, C-1		02/11/2009	16:15			02/13/2009
18 -	___	Solid	FRCK-534, Driveway		02/11/2009	16:33			02/13/2009
19 -	___	Solid	FRCK-535, Driveway		02/11/2009	17:13			02/13/2009
19 -	FD	Solid	FRCK-535, Driveway/Field Duplicate of sample 19		02/11/2009	17:13			02/13/2009
20 -	___	Solid	FRCK-535, C-1		02/11/2009	17:19			02/13/2009
21 -	___	Solid	FRCK-536, Driveway		02/11/2009	17:29			02/13/2009
101 -	___	Water	FRCK-489, Hydrant (unpurged)		02/03/2009	12:30			02/13/2009
102 -	___	Water	FRCK-489, Hydrant (purged)		02/03/2009	12:35			02/13/2009
103 -	___	Water	FRCK-483, Kitchen (unpurged)		02/03/2009	11:40			02/13/2009
104 -	___	Water	FRCK-483, Kitchen (purged)		02/03/2009	11:45			02/13/2009
105 -	___	Water	FRCK-506, Kitchen (unpurged)		02/03/2009	16:40			02/13/2009
106 -	___	Water	FRCK-506, Kitchen (purged)		02/03/2009	16:45			02/13/2009
107 -	___	Water	FRCK-588, Kitchen sink (unpurged)		02/03/2009	15:47			02/13/2009
108 -	___	Water	FRCK-588, Kitchen sink (purged)		02/03/2009	15:52			02/13/2009
109 -	___	Water	FRCK-588, Spigot (unpurged)		02/03/2009	15:54			02/13/2009
110 -	___	Water	FRCK-588, Spigot (purged)		02/03/2009	15:59			02/13/2009
111 -	___	Water	FRCK-505, Kitchen (unpurged)		02/03/2009	14:41			02/13/2009
112 -	___	Water	FRCK-505, Kitchen sink (purged)		02/03/2009	14:46			02/13/2009
113 -	___	Water	FRCK-505, Spigot (unpurged)		02/03/2009	14:53			02/13/2009
114 -	___	Water	FRCK-505, Spigot (purged)		02/03/2009	14:58			02/13/2009
115 -	___	Water	FRCK-491, Kitchen sink (unpurged)		02/04/2009	12:00			02/13/2009
116 -	___	Water	FRCK-491, Kitchen sink (purged)		02/04/2009	12:05			02/13/2009
117 -	___	Water	FRCK-493, Kitchen sink (unpurged)		02/04/2009	14:10			02/13/2009
118 -	___	Water	FRCK-493, Kitchen sink (purged)		02/04/2009	14:15			02/13/2009

ASR Number: 4247

## Sample Information Summary

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
119 -	___	Water	FRCK-493, Hydrant (unpurged)		02/04/2009	14:10			02/13/2009
120 -	___	Water	FRCK-493, Hydrant (purged)		02/04/2009	14:15			02/13/2009
121 -	___	Water	FRCK-494, Kitchen sink (unpurged)		02/04/2009	15:10			02/13/2009
122 -	___	Water	FRCK-494, Kitchen sink (purged)		02/04/2009	15:15			02/13/2009
123 -	___	Water	FRCK-508, Kitchen sink (unpurged)		02/04/2009	15:11			02/13/2009
124 -	___	Water	FRCK-508, Kitchen sink (purged)		02/04/2009	15:16			02/13/2009
125 -	___	Water	FRCK-508, Hydrant (unpurged)		02/04/2009	15:20			02/13/2009
126 -	___	Water	FRCK-508, Hydrant (purged)		02/04/2009	15:25			02/13/2009
127 -	___	Water	FRCK-507, Kitchen sink (unpurged)		02/04/2009	11:30			02/13/2009
128 -	___	Water	FRCK-507, Kitchen sink (purged)		02/04/2009	11:35			02/13/2009
129 -	___	Water	FRCK-509, Kitchen sink (unpurged)		02/04/2009	16:00			02/13/2009
130 -	___	Water	FRCK-509, Kitchen sink (purged)		02/04/2009	16:05			02/13/2009
131 -	___	Water	FRCK-548, Kitchen sink (unpurged)		02/05/2009	09:41			02/13/2009
132 -	___	Water	FRCK-548, Kitchen sink (purged)		02/05/2009	09:46			02/13/2009
133 -	___	Water	FRCK-549, Kitchen sink (unpurged)		02/05/2009	10:21			02/13/2009
134 -	___	Water	FRCK-549, Kitchen (purged)		02/05/2009	10:26			02/13/2009
135 -	___	Water	FRCK-549, Spigot (unpurged)		02/05/2009	10:21			02/13/2009
136 -	___	Water	FRCK-549, Spigot (purged)		02/05/2009	10:26			02/13/2009
136 -	FD	Water	FRCK-549, Spigot (purged)/Field Duplicate of sample 136		02/05/2009	10:26			02/13/2009
137 -	___	Water	FRCK-550, Kitchen sink (unpurged)		02/05/2009	11:00			02/13/2009
138 -	___	Water	FRCK-550, Kitchen sink (purged)		02/05/2009	11:05			02/13/2009
139 -	___	Water	FRCK-510, Hydrant (unpurged)		02/05/2009	11:41			02/13/2009
140 -	___	Water	FRCK-510, Hydrant (purged)		02/05/2009	11:46			02/13/2009
141 -	___	Water	FRCK-488, Kitchen sink (unpurged)		02/05/2009	11:00			02/13/2009
142 -	___	Water	FRCK-488, Kitchen sink (purged)		02/05/2009	11:05			02/13/2009
143 -	___	Water	FRCK-488, Hydrant (unpurged)		02/05/2009	11:00			02/13/2009
144 -	___	Water	FRCK-488, Hydrant (purged)		02/05/2009	11:05			02/13/2009
144 -	FD	Water	FRCK-488, Hydrant (purged)/Field Duplicate of sample 144		02/05/2009	11:05			02/13/2009
145 -	___	Water	FRCK-476, Kitchen sink (unpurged)		02/05/2009	12:20			02/13/2009
146 -	___	Water	FRCK-476, Kitchen sink (purged)		02/05/2009	12:25			02/13/2009
147 -	___	Water	FRCK-495, Kitchen sink (unpurged)		02/05/2009	13:15			02/13/2009
148 -	___	Water	FRCK-495, Kitchen sink (purged)		02/05/2009	13:20			02/13/2009
149 -	___	Water	FRCK-512, Kitchen sink (unpurged)		02/05/2009	15:47			02/13/2009
150 -	___	Water	FRCK-512, Kitchen sink (purged)		02/05/2009	15:52			02/13/2009
151 -	___	Water	FRCK-512, Hydrant (unpurged)		02/05/2009	15:47			02/13/2009
152 -	___	Water	FRCK-512, Hydrant (purged)		02/05/2009	15:52			02/13/2009
153 -	___	Water	FRCK-511, Kitchen sink (unpurged)		02/05/2009	14:00			02/13/2009
154 -	___	Water	FRCK-511, Kitchen sink (purged)		02/05/2009	14:05			02/13/2009

ASR Number: 4247

## Sample Information Summary

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
155 -	---	Water	FRCK-496, Spigot (unpurged)		02/06/2009	13:45			02/13/2009
156 -	---	Water	FRCK-496, Spigot (purged)		02/06/2009	13:50			02/13/2009
156 -	FD	Water	FRCK-496, Spigot (purged)/Field Duplicate of sample 156		02/06/2009	13:50			02/13/2009
157 -	---	Water	FRCK-497, Kitchen sink (unpurged)		02/06/2009	14:40			02/13/2009
158 -	---	Water	FRCK-497, Kitchen sink (purged)		02/06/2009	14:45			02/13/2009
159 -	---	Water	FRCK-497, Spigot (unpurged)		02/06/2009	14:40			02/13/2009
160 -	---	Water	FRCK-497, Spigot (purged)		02/06/2009	14:45			02/13/2009
161 -	---	Water	FRCK-514, Kitchen sink (unpurged)		02/06/2009	14:24			02/13/2009
162 -	---	Water	FRCK-514, Kitchen sink (purged)		02/06/2009	14:29			02/13/2009
163 -	---	Water	FRCK-517, Kitchen sink (unpurged)		02/06/2009	16:02			02/13/2009
164 -	---	Water	FRCK-517, Kitchen sink (purged)		02/06/2009	16:07			02/13/2009
165 -	---	Water	FRCK-517, Spigot (unpurged)		02/06/2009	16:02			02/13/2009
166 -	---	Water	FRCK-517, Spigot (purged)		02/06/2009	16:07			02/13/2009
167 -	---	Water	FRCK-515, Spigot (unpurged)		02/06/2009	15:22			02/13/2009
168 -	---	Water	FRCK-515, Spigot (purged)		02/06/2009	15:27			02/13/2009
169 -	---	Water	FRCK-524, Kitchen sink (unpurged)		02/07/2009	10:50			02/13/2009
170 -	---	Water	FRCK-524, Kitchen sink (purged)		02/07/2009	10:55			02/13/2009
171 -	---	Water	FRCK-524, Hydrant (unpurged)		02/07/2009	10:50			02/13/2009
172 -	---	Water	FRCK-524, Hydrant (purged)		02/07/2009	10:55			02/13/2009
173 -	---	Water	FRCK-525, Kitchen sink (unpurged)		02/07/2009	11:57			02/13/2009
174 -	---	Water	FRCK-525, Kitchen sink (purged)		02/07/2009	12:02			02/13/2009
175 -	---	Water	FRCK-525, Spigot (unpurged)		02/07/2009	11:57			02/13/2009
176 -	---	Water	FRCK-525, Spigot (purged)		02/07/2009	12:02			02/13/2009
177 -	---	Water	FRCK-499, Spigot (unpurged)		02/07/2009	11:30			02/13/2009
178 -	---	Water	FRCK-499, Spigot (purged)		02/07/2009	11:35			02/13/2009
179 -	---	Water	FRCK-502, Kitchen sink (unpurged)		02/07/2009	12:15			02/13/2009
180 -	---	Water	FRCK-502, Kitchen sink (purged)		02/07/2009	12:20			02/13/2009
181 -	---	Water	FRCK-500, Spigot (unpurged)		02/07/2009	14:00			02/13/2009
182 -	---	Water	FRCK-500, Spigot (purged)		02/07/2009	14:05			02/13/2009
182 -	FD	Water	FRCK-500, Spigot (purged)/Field Duplicate of sample 182		02/07/2009	14:05			02/13/2009
183 -	---	Water	FRCK-501, Spigot (unpurged)		02/07/2009	14:55			02/13/2009
184 -	---	Water	FRCK-501, Spigot (purged)		02/07/2009	15:00			02/13/2009
185 -	---	Water	FRCK-521, Kitchen sink (unpurged)		02/07/2009	14:53			02/13/2009
186 -	---	Water	FRCK-521, Kitchen sink (purged)		02/07/2009	14:58			02/13/2009
187 -	---	Water	FRCK-521, Hydrant (unpurged)		02/07/2009	14:53			02/13/2009
188 -	---	Water	FRCK-521, Hydrant (purged)		02/07/2009	14:58			02/13/2009
189 -	---	Water	FRCK-520, Hydrant (unpurged)		02/07/2009	14:28			02/13/2009
190 -	---	Water	FRCK-520, Hydrant (purged)		02/06/2009	14:33			02/13/2009
190 -	FD	Water	FRCK-520, Hydrant (purged)/Field Duplicate of sample 190		02/06/2009	14:33			02/13/2009

ASR Number: 4247

## Sample Information Summary

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
191 -	___	Water	FRCK-522, Kitchen sink (unpurged)		02/08/2009	12:30			02/13/2009
192 -	___	Water	FRCK-522, Kitchen sink (purged)		02/08/2009	12:35			02/13/2009
193 -	___	Water	FRCK-522, Hydrant (unpurged)		02/08/2009	12:30			02/13/2009
194 -	___	Water	FRCK-522, Hydrant (purged)		02/08/2009	12:35			02/13/2009
195 -	___	Water	FRCK-526, Spigot (unpurged)		02/08/2009	13:32			02/13/2009
196 -	___	Water	FRCK-526, Spigot (purged)		02/08/2009	13:37			02/13/2009
197 -	___	Water	FRCK-527, Spigot (unpurged)		02/08/2009	14:00			02/13/2009
198 -	___	Water	FRCK-527, Spigot (purged)		02/08/2009	14:05			02/13/2009

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**Analysis**      **Comments About Results For This Analysis**

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**1**    **Metals in Solids by ICP**

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3122.3C

Basis: Dry

Samples:	1-__	2-__	3-__	4-__	4-FD	5-__	6-__
	7-__	8-__	9-__	10-__	11-__	11-FD	12-__
	13-__	14-__	15-__	16-__	17-__	18-__	19-__
	19-FD	20-__	21-__				

Comments:

Barium was J-coded in samples 1 & 21 and Cadmium was J-coded in sample 21. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. Ba 1-MS(53:75), 1-MSD(60:75), 21-MS(64:75). Cadmium 21-MS(58:75), 21-MSD(59:75). The actual concentration for this analyte may be higher than the reported value.

**1**    **Percent Solid**

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3142.9E

Basis: N/A

Samples:	1-__	2-__	3-__	4-__	4-FD	5-__	6-__
	7-__	8-__	9-__	10-__	11-__	11-FD	12-__
	13-__	14-__	15-__	16-__	17-__	18-__	19-__
	19-FD	20-__	21-__				

Comments:

(N/A)

**1**    **Metals in Water by ICP/MS**

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3123.1B

Samples:	101-__	102-__	103-__	104-__	105-__	106-__	107-__
	108-__	109-__	110-__	111-__	112-__	113-__	114-__
	115-__	116-__	117-__	118-__	119-__	120-__	121-__
	122-__	123-__	124-__	125-__	126-__	127-__	128-__
	129-__	130-__	131-__	132-__	133-__	134-__	135-__
	136-__	136-FD	137-__	138-__	139-__	140-__	141-__
	142-__	143-__	144-__	144-FD	145-__	146-__	147-__
	148-__	149-__	150-__				

Comments:



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Analysis	Comments About Results For This Analysis
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## 1 Metals in Water by ICP/MS

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3123.1B

Samples:	151-__	152-__	153-__	154-__	155-__	156-__	156-FD
	157-__	158-__	159-__	160-__	161-__	162-__	163-__
	164-__	165-__	166-__	167-__	168-__	169-__	170-__
	171-__	172-__	173-__	174-__	175-__	176-__	177-__
	178-__	179-__	180-__	181-__	182-__	182-FD	183-__
	184-__	185-__	186-__	187-__	188-__	189-__	190-__
	190-FD	191-__	192-__	193-__	194-__	195-__	196-__
	197-__	198-__					

Comments:

(N/A)

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 Metals in Solids by ICP					
Barium	mg/kg	162 J	1360	1130	960
Cadmium	mg/kg	5.0	8.5	7.6	2.7
Lead	mg/kg	216	1110	1800	549
1 Percent Solid					
Solids, percent	%	95.2	99.6	98.4	99.7

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	4-FD	5-__	6-__	7-__
1 Metals in Solids by ICP					
Barium	mg/kg	1480	273	221	203
Cadmium	mg/kg	2.7	6.0	6.5	5.9
Lead	mg/kg	475	292	522	351
1 Percent Solid					
Solids, percent	%	99.9	96.8	98.7	96.5

ASR Number: 4247  
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RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	8-__	9-__	10-__	11-__
1 Metals in Solids by ICP					
Barium	mg/kg	325	1760	1440	413
Cadmium	mg/kg	5.9	5.5	5.7	4.6
Lead	mg/kg	852	480	500	291
1 Percent Solid					
Solids, percent	%	99.7	99.7	99.5	98.5

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	11-FD	12-__	13-__	14-__
1 Metals in Solids by ICP					
Barium	mg/kg	420	869	1440	1110
Cadmium	mg/kg	4.6	7.0	10.0	5.3
Lead	mg/kg	290	535	1300	1060
1 Percent Solid					
Solids, percent	%	98.3	98.2	99.3	99.9

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	15-__	16-__	17-__	18-__
1 Metals in Solids by ICP					
Barium	mg/kg	1450	461	215	255
Cadmium	mg/kg	5.4	3.3	5.9	7.6
Lead	mg/kg	1240	385	102	234
1 Percent Solid					
Solids, percent	%	99.7	99.3	97.8	98.7

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	19-__	19-FD	20-__	21-__
1 Metals in Solids by ICP					
Barium	mg/kg	61.8	58.4	401	125 J
Cadmium	mg/kg	15.5	13.2	7.0	2.7 J
Lead	mg/kg	1910	1150	557	282
1 Percent Solid					
Solids, percent	%	99.5	99.5	95.4	100

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	101-__	102-__	103-__	104-__
1 Metals in Water by ICP/MS					
Barium	ug/L	787	792	751	783
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.1	1.0 U	1.0 U	1.0 U



ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	105-__	106-__	107-__	108-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.9	50.9	40.6	39.0
Cadmium	ug/L	1.0 U	1.0 U	2.0	2.0
Lead	ug/L	1.2	1.0	2.0	1.1

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	109-__	110-__	111-__	112-__
1 Metals in Water by ICP/MS					
Barium	ug/L	40.2	38.9	659	698
Cadmium	ug/L	2.3	2.0	1.0 U	1.0 U
Lead	ug/L	49.4	1.7	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	113-__	114-__	115-__	116-__
1 Metals in Water by ICP/MS					
Barium	ug/L	704	675	506	487
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	3.8	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	117-__	118-__	119-__	120-__
1 Metals in Water by ICP/MS					
Barium	ug/L	29.3	29.2	27.6	27.5
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	121-__	122-__	123-__	124-__
1 Metals in Water by ICP/MS					
Barium	ug/L	53.1	54.5	5.0 U	5.0 U
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	125-__	126-__	127-__	128-__
1 Metals in Water by ICP/MS					
Barium	ug/L	41.7	44.9	25.2	25.9
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	8.4	1.0 U	1.0 U	1.0 U

ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	129-__	130-__	131-__	132-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.8	49.6	14.9	6.3
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.3	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	133-__	134-__	135-__	136-__
1 Metals in Water by ICP/MS					
Barium	ug/L	574	623	634	637
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.6	1.0 U	1.0 U	1.0 U



ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	136-FD	137-__	138-__	139-__
1 Metals in Water by ICP/MS					
Barium	ug/L	617	632	661	22.3
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	140-__	141-__	142-__	143-__
1 Metals in Water by ICP/MS					
Barium	ug/L	22.2	43.9	46.3	44.4
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	2.0

ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	144-__	144-FD	145-__	146-__
1 Metals in Water by ICP/MS					
Barium	ug/L	48.2	45.2	44.5	47.3
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	147-__	148-__	149-__	150-__
1 Metals in Water by ICP/MS					
Barium	ug/L	43.3	45.1	50.3	53.5
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	1.0 U

ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	151-__	152-__	153-__	154-__
1 Metals in Water by ICP/MS					
Barium	ug/L	45.5	53.6	38.3	40.3
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	2.7	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	155-__	156-__	156-FD	157-__
1 Metals in Water by ICP/MS					
Barium	ug/L	113	111	116	5.0 U
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	2.5	1.0 U	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	158-__	159-__	160-__	161-__
1 Metals in Water by ICP/MS					
Barium	ug/L	5.0 U	5.0 U	5.0 U	65.7
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	20.7	1.3	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	162-__	163-__	164-__	165-__
1 Metals in Water by ICP/MS					
Barium	ug/L	62.2	37.3	35.1	36.4
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	3.8



ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	166-__	167-__	168-__	169-__
1 Metals in Water by ICP/MS					
Barium	ug/L	35.0	54.1	52.3	43.2
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	10.8	1.0 U	1.8

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	170-__	171-__	172-__	173-__
1 Metals in Water by ICP/MS					
Barium	ug/L	40.8	40.3	41.8	17.8
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0	6.3	1.1	1.8

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	174-__	175-__	176-__	177-__
1 Metals in Water by ICP/MS					
Barium	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.1	1.0 U	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	178-__	179-__	180-__	181-__
1 Metals in Water by ICP/MS					
Barium	ug/L	5.0 U	73.8	71.2	83.4
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U	55.5

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	182-__	182-FD	183-__	184-__
1 Metals in Water by ICP/MS					
Barium	ug/L	84.5	78.2	166	179
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.4	1.1	1.0 U	1.0 U

ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	185-__	186-__	187-__	188-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.9	50.4	52.0	50.1
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.9	1.0 U	3.2	1.0 U

ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	189-__	190-__	190-FD	191-__
1 Metals in Water by ICP/MS					
Barium	ug/L	40.8	39.6	40.3	74.5
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	16.6	1.0 U	1.0 U	1.0 U

ASR Number: 4247

RLAB Approved Sample Analysis Results

03/12/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	192-__	193-__	194-__	195-__
1 Metals in Water by ICP/MS					
Barium	ug/L	73.1	74.2	74.3	46.2
Cadmium	ug/L	1.0 U	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	2.1	1.0 U	1.0 U



ASR Number: 4247  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/12/2009

Analysis/ Analyte	Units	196-__	197-__	198-__
1 Metals in Water by ICP/MS				
Barium	ug/L	46.9	91.3	90.4
Cadmium	ug/L	1.0 U	1.0 U	1.0 U
Lead	ug/L	1.0 U	1.0 U	1.0 U

United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4247

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_

United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 03/16/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4264

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

% = Percent

FD = Field Duplicate

mg/kg = Milligrams per Kilogram

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an  
estimate.

U = The analyte was not detected at or above the reporting limit.

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ___		Solid	Soil sample FRCK 589 DW	FRCK-589 DW	02/13/2009	08:50			02/23/2009
2 - ___		Solid	Soil sample FRCK-591 DW	FRCK-591 DW	02/13/2009	09:50			02/23/2009
3 - ___		Solid	Soil sample FRCK-539 C-1	FRCK-539 C-1	02/13/2009	12:00			02/23/2009
3 - FD		Solid	FRCK-539- C-1	FRCK-539 C-1	02/03/2009	12:00			02/23/2009
4 - ___		Solid	Soil sample FRCK-539 DW	FRCK-539 DW	02/13/2009	12:05			02/23/2009
5 - ___		Solid	Soil sample FRCK-547 DW	FRCK-547 DW	02/18/2009	08:52			02/23/2009
6 - ___		Solid	Soil sample FRCK-552 DW	FRCK-552 DW	02/18/2009	09:11			02/23/2009
7 - ___		Solid	Soil sample FRCK-555 DW		02/19/2009	08:36			02/23/2009
8 - ___		Solid	Soil sample FRCK-557 DW	FRCK-557 DW	02/19/2009	09:29			02/23/2009
9 - ___		Solid	Soil sample FRCK-559 DW	FRCK-559 DW	02/19/2009	17:58			02/23/2009
10 - ___		Solid	Soil sample FRCK-561 DW	FRCK-561 DW	02/19/2009	18:38			02/23/2009
11 - ___		Solid	Soil sample FRCK-563 DW	FRCK-563 DW	02/20/2009	08:42			02/23/2009
12 - ___		Solid	Soil sample FRCK-565 DW	FRCK-565 DW	02/20/2009	08:59			02/23/2009
13 - ___		Solid	Soil sample FRCK-568 C-2	FRCK-568 C-2	02/20/2009	18:45			02/23/2009
14 - ___		Solid	Soil sample FRCK-592 DW	FRCK-592 DW	02/20/2009	17:53			02/23/2009
15 - ___		Solid	Soil sample FRCK-600 DW	FRCK-600 DW	02/21/2009	10:30			02/23/2009
16 - ___		Solid	Soil sample FRCK-604 DW	FRCK-604 DW	02/21/2009	12:00			02/23/2009
17 - ___		Solid	Soil sample FRCK-569 DW#1	FRCK-569 DW#1	02/21/2009	12:30			02/23/2009
18 - ___		Solid	Soil sample FRCK-570 C-4	FRCK-570 C-4	02/21/2009	13:00			02/23/2009
101 - ___		Water	Water sample@kitchen sink unpurged FRCK-528	FRCK-528	02/08/2009	14:32			02/23/2009
102 - ___		Water	Water sample@kitchen sink unpurged FRCK-528	FRCK-528	02/08/2009	14:37			02/23/2009
103 - ___		Water	Water sample@spigot unpurged FRCK-529	FRCK-529	02/08/2009	15:12			02/23/2009
104 - ___		Water	Water sample@spigot unpurged FRCK-529	FRCK-529	02/08/2009	15:17			02/23/2009
105 - ___		Water	Water sample@kitchen sink unpurged FRCK-589	FRCK-589	02/09/2009	10:50			02/23/2009
106 - ___		Water	Water sample@kitchen sink-unpurged FRCK-589	FRCK-589	02/09/2009	10:55			02/23/2009
107 - ___		Water	Water sample@spigot-unpurged FRCK-589	FRCK-589	02/09/2009	10:50			02/23/2009
108 - ___		Water	Water sample@spigot purged FRCK-589	FRCK-589	02/09/2009	10:55			02/23/2009
109 - ___		Water	Water sample@kitchen sink unpurged FRCK-516	FRCK-516	02/09/2009	11:03			02/23/2009
110 - ___		Water	Water sample@kitchen sink purged FRCK 516	FRCK-516	02/09/2009	11:08			02/23/2009
111 - ___		Water	Water sample@spigot unpurged FRCK 516	FRCK-516	02/09/2009	11:03			02/23/2009
112 - ___		Water	Water sample@spigot purged FRCK-516	FRCK-516	02/09/2009	11:08			02/23/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
113 -	___	Water	Water sample@kitchen sink unpurged FRCK-518	FRCK-518	02/09/2009	11:42			02/23/2009
114 -	___	Water	Water sample@kitchen sink purged FRCK-518	FRCK-518	02/09/2009	11:47			02/23/2009
115 -	___	Water	Water sample@kitchen sink unpurged FRCK-590	FRCK-590	02/09/2009	14:20			02/23/2009
116 -	___	Water	Water sample@kitchen sink purged FRCK-590	FRCK-590	02/09/2009	14:25			02/23/2009
117 -	___	Water	Water sample@hydrant unpurged FRCK-590	FRCK-590	02/09/2009	14:20			02/23/2009
118 -	___	Water	Water sample@hydrant purged FRCK-590	FRCK-590	02/09/2009	14:25			02/23/2009
118 -	FD	Water	FRCK-590 Water sample@hydrant-purged	FRCK-590	02/09/2009	14:25			02/23/2009
119 -	___	Water	Water sample@kitchen sink unpurged FRCK-530	FRCK-530	02/09/2009	14:36			02/23/2009
120 -	___	Water	Water sample@kitchen sink purged FRCK-530	FRCK-530	02/09/2009	14:41			02/23/2009
121 -	___	Water	Water sample@hydrant unpurged FRCK-530	FRCK-530	02/09/2009	14:36			02/23/2009
122 -	___	Water	Water sample@hydrant purged FRCK-530	FRCK-530	02/09/2009	14:41			02/23/2009
123 -	___	Water	Water sample@hydrant unpurged FRCK-531	FRCK-531	02/09/2009	15:46			02/23/2009
124 -	___	Water	Water sample@hydrant purged FRCK-531	FRCK-531	02/09/2009	15:51			02/23/2009
125 -	___	Water	Water sample@spigot unpurged FRCK-591	FRCK-591	02/10/2009	09:55			02/23/2009
126 -	___	Water	Water sample@spigot purged FRCK-591	FRCK-591	02/10/2009	10:00			02/23/2009
127 -	___	Water	Water sample@hydrant unpurged FRCK-594	FRCK-594	02/10/2009	13:20			02/23/2009
128 -	___	Water	Water sample@hydrant purged FRCK-594	FRCK-594	02/10/2009	13:25			02/23/2009
128 -	FD	Water	FRCK-594 water sample@hydrant-purged	FRCK-594	02/10/2009	13:25			02/23/2009
129 -	___	Water	Water sample@kitchen sink unpurged FRCK-595	FRCK-595	02/10/2009	14:20			02/23/2009
130 -	___	Water	Water sample@kitchen sink purged FRCK-595	FRCK-595	02/10/2009	14:25			02/23/2009
131 -	___	Water	Water sample@kitchen sink unpurged FRCK-596	FRCK-596	02/10/2009	15:30			02/23/2009
132 -	___	Water	Water sample@kitchen sink purged FRCK-596	FRCK-596	02/10/2009	15:35			02/23/2009
133 -	___	Water	Water sample@spigot unpurged FRCK-596	FRCK-596	02/10/2009	15:30			02/23/2009
134 -	___	Water	Water sample@spigot purged FRCK-596	FRCK-596	02/10/2009	15:35			02/23/2009
135 -	___	Water	Water sample@spigot unpurged FRCK-534	FRCK-534	02/10/2009	10:20			02/23/2009
136 -	___	Water	Water sample@spigot purged FRCK-534	FRCK-534	02/10/2009	10:25			02/23/2009
137 -	___	Water	Water sample@spigot unpurged FRCK-536	FRCK-536	02/10/2009	12:26			02/23/2009
138 -	___	Water	Water sample@spigot purged FRCK-536	FRCK-536	02/10/2009	12:31			02/23/2009
139 -	___	Water	Water sample@hydrant unpurged FRCK-537	FRCK-537	02/10/2009	14:55			02/23/2009
140 -	___	Water	Water sample@hydrant purged FRCK-537	FRCK-537	02/10/2009	15:00			02/23/2009
141 -	___	Water	Water sample@hydrant-unpurged FRCK-535	FRCK-535	02/10/2009	11:42			02/23/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
142 -	___	Water	Water sample@hydrant purged FRCK-535	FRCK-535	02/10/2009	11:47			02/23/2009
143 -	___	Water	Water sample@kitchen sink unpurged FRCK-592	FRCK-592	02/11/2009	10:35			02/23/2009
144 -	___	Water	Water sample@kitchen sink purged FRCK-592	FRCK-592	02/11/2009	10:40			02/23/2009
145 -	___	Water	Water sample@spigot unpurged FRCK 592	FRCK-592	02/11/2009	10:35			02/23/2009
146 -	___	Water	Water sample@spigot purged FRCK 592	FRCK-592	02/11/2009	10:40			02/23/2009
147 -	___	Water	Water sample@kitchen sink-unpurged FRCK-538	FRCK-538	02/11/2009	10:38			02/23/2009
148 -	___	Water	Water sample@kitchen sink purged FRCK 538	FRCK-538	02/11/2009	10:43			02/23/2009
148 -	FD	Water	FRCK-538 water sample@kitchen sick-purged	FRCK-538	02/11/2009	10:43			02/23/2009
149 -	___	Water	Water sample FRCK 540		02/11/2009	10:53			02/23/2009
150 -	___	Water	Water sample FRCK-540		02/11/2009	10:57			02/23/2009
151 -	___	Water	Water sample FRCK-543	FRCK-543	02/12/2009	11:47			02/23/2009
152 -	___	Water	Water sample FRCK-543		02/12/2009	11:52			02/23/2009
153 -	___	Water	Water sample FRCK-542		02/12/2009	11:05			02/23/2009
154 -	___	Water	Water sample	FRCK-542	02/12/2009	11:10			02/23/2009
155 -	___	Water	Water sample FRCK-552	FRCK-552	02/12/2009	09:48			02/23/2009
156 -	___	Water	Water sample FRCK 552		02/12/2009	09:53			02/23/2009
157 -	___	Water	Water sample FRCK-552		02/12/2009	09:48			02/23/2009
158 -	___	Water	Water sample FRCK 552	FRCK 552	02/12/2009	09:53			02/23/2009
158 -	FD	Water	FRCK-552 water sample@hydrant-purged	FRCK-552	02/12/2009	09:53			02/23/2009
159 -	___	Water	Water sample FRCK-539		02/12/2009	09:20			02/23/2009
160 -	___	Water	Water sample FRCK 539		02/12/2009	09:25			02/23/2009
161 -	___	Water	Water sample FRCK 546		02/12/2009	15:28			02/23/2009
162 -	___	Water	Water sample FRCK 546		02/12/2009	15:33			02/23/2009
163 -	___	Water	Water sample FRCK 547		02/12/2009	13:50			02/23/2009
164 -	___	Water	Water sample FRCK-547	FRCK-547	02/12/2009	13:55			02/23/2009
165 -	___	Water	Water sample FRCK-551		02/12/2009	16:05			02/23/2009
166 -	___	Water	Water sample FRCK 551		02/12/2009	16:10			02/23/2009
167 -	___	Water	Water sample FRCK-551		02/12/2009	16:05			02/23/2009
168 -	___	Water	Water sample FRCK 551		02/12/2009	16:10			02/23/2009
169 -	___	Water	Water sample FRCK-553		02/12/2009	15:00			02/23/2009
170 -	___	Water	Water sample FRCK 553		02/12/2009	15:05			02/23/2009
171 -	___	Water	Water sample FRCK-553		02/12/2009	15:00			02/23/2009
172 -	___	Water	Water sample FRCK-553	FRCK-553	02/12/2009	15:05			02/23/2009
173 -	___	Water	Water sample FRCK-593		02/12/2009	11:10			02/23/2009
174 -	___	Water	Water sample FRCK-593		02/12/2009	11:15			02/23/2009
175 -	___	Water	Water sample FRCK-593		02/12/2009	11:10			02/23/2009
176 -	___	Water	Water sample FRCK-593		02/12/2009	11:15			02/23/2009
176 -	FD	Water	FRCK-593 spigot purged	FRCK-593	02/12/2009	11:15			02/23/2009

ASR Number: 4264

## Sample Information Summary

03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
177 - ___		Water	Water sample FRCK 554		02/12/2009	12:35			02/23/2009
178 - ___		Water	Water sample FRCK 554		02/12/2009	12:40			02/23/2009
178 - FD		Water	FRCK-554 hydrant purged	FRCK-554	02/12/2009	12:40			02/23/2009
179 - ___		Water	Water sample FRCK-547		02/12/2009	13:50			02/23/2009
180 - ___		Water	Water sample FRCK 547		02/12/2009	13:55			02/23/2009
181 - ___		Water	Water sample FRCK 555		02/16/2009	15:45			02/23/2009
182 - ___		Water	Water sample FRCK 555		02/16/2009	15:50			02/23/2009
183 - ___		Water	Water sample FRCK 555		02/16/2009	15:45			02/23/2009
184 - ___		Water	Water sample FRCK 555		02/16/2009	15:50			02/23/2009
184 - FD		Water	FRCK-555 hydrant purged	FRCK-555	02/16/2009	15:50			02/23/2009
185 - ___		Water	Water sample FRCK-557		02/17/2009	10:42			02/23/2009
186 - ___		Water	Water sample FRCK 557		02/17/2009	10:47			02/23/2009
187 - ___		Water	Water sample FRCK 557		02/17/2009	10:42			02/23/2009
188 - ___		Water	Water sample FRCK-557		02/17/2009	10:47			02/23/2009
189 - ___		Water	Water sample FRCK 556		02/17/2009	09:35			02/23/2009
190 - ___		Water	Water sample FRCK 556		02/17/2009	09:40			02/23/2009
191 - ___		Water	Water sample FRCK 558		02/17/2009	11:12			02/23/2009
192 - ___		Water	Water sample FRCK-558		02/17/2009	11:17			02/23/2009
193 - ___		Water	Water sample FRCK-564		02/17/2009	10:00			02/23/2009
194 - ___		Water	Water sample FRCK-564		02/17/2009	10:05			02/23/2009
194 - FD		Water	FRCK-564 spigot purged	FRCK-564	02/17/2009	10:05			02/23/2009
195 - ___		Water	Water sample FRCK-599		02/17/2009	13:40			02/23/2009
196 - ___		Water	Water sample FRCK-599		02/17/2009	13:45			02/23/2009
197 - ___		Water	Water sample FRCK-599		02/17/2009	13:40			02/23/2009
198 - ___		Water	Water sample FRCK-599		02/17/2009	13:45			02/23/2009
199 - ___		Water	Water sample FRCK-597		02/17/2009	14:55			02/23/2009
200 - ___		Water	Water sample FRCK-597		02/17/2009	15:00			02/23/2009
201 - ___		Water	Water sample FRCK 597		02/17/2009	14:55			02/23/2009
202 - ___		Water	Water sample FRCK-597		02/17/2009	15:00			02/23/2009
202 - FD		Water	FRCK-597 water sample@hydrant purged	FRCK-597	02/17/2009	15:00			02/23/2009
203 - ___		Water	Water sample FRCK 600		02/17/2009	16:20			02/23/2009
204 - ___		Water	Water sample FRCK 600		02/17/2009	16:25			02/23/2009
205 - ___		Water	Water sample FRCK 600		02/17/2009	16:20			02/23/2009
206 - ___		Water	Water sample FRCK 600		02/17/2009	16:25			02/23/2009
207 - ___		Water	Water sample FRCK 559		02/17/2009	13:49			02/23/2009
208 - ___		Water	Water sample FRCK 559		02/17/2009	13:54			02/23/2009
208 - FD		Water	FRCK-559 water sample@hydrant purged	FRCK-559	02/17/2009	13:54			02/23/2009
209 - ___		Water	Water sample FRCK 561		02/17/2009	15:26			02/23/2009
210 - ___		Water	Water sample FRCK 561		02/17/2009	15:31			02/23/2009
211 - ___		Water	Water sample FRCK-562		02/18/2009	10:51			02/23/2009
212 - ___		Water	Water sample FRC 562		02/18/2009	10:56			02/23/2009
212 - FD		Water	FRCK-562 water sample@spigot purged	FRCK-562	02/18/2009	10:56			02/23/2009



ASR Number: 4264

## Sample Information Summary

03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
213 -	___	Water	Water sample FRCK-563		02/18/2009	11:21			02/23/2009
214 -	___	Water	Water sample FRCK 563		02/18/2009	11:26			02/23/2009
215 -	___	Water	Water sample FRCK 601		02/18/2009	10:18			02/23/2009
216 -	___	Water	Water sample FRCK 601		02/18/2009	10:23			02/23/2009
217 -	___	Water	Water sample FRCK 602		02/18/2009	11:05			02/23/2009
218 -	___	Water	Water sample FRCK 602		02/18/2009	11:10			02/23/2009
219 -	___	Water	Water sample FRCK 565		02/18/2009	13:43			02/23/2009
220 -	___	Water	Water sample FRCK 565		02/18/2009	13:48			02/23/2009
221 -	___	Water	Water sample FRCK 567		02/18/2009	14:49			02/23/2009
222 -	___	Water	Water sample FRCK 567		02/18/2009	14:54			02/23/2009
223 -	___	Water	Water sample FRCK 568		02/18/2009	15:44			02/23/2009
224 -	___	Water	Water sample FRCK 568		02/18/2009	15:49			02/23/2009
225 -	___	Water	Water sample FRCK 560		02/17/2009	14:32			02/23/2009
226 -	___	Water	Water sample FRCK 560		02/17/2009	14:37			02/23/2009
227 -	___	Water	Water sample FRCK 604		02/18/2009	15:30			02/23/2009
228 -	___	Water	Water sample FRCK 604		02/18/2009	15:35			02/23/2009
229 -	___	Water	Water sample FRCK 604		02/18/2009	15:30			02/23/2009
230 -	___	Water	Water sample FRCK 604		02/18/2009	15:35			02/23/2009
231 -	___	Water	Water sample FRCK 603		02/18/2009	14:50			02/23/2009
232 -	___	Water	Water sample FRCK 603		02/18/2009	14:55			02/23/2009
233 -	___	Water	Water sample FRCK 603		02/18/2009	14:50			02/23/2009
234 -	___	Water	Water sample FRCK 603		02/18/2009	14:55			02/23/2009
235 -	___	Water	Water sample FRCK 606		02/19/2009	10:15			02/23/2009
236 -	___	Water	Water sample FRCK 606		02/19/2009	10:20			02/23/2009
237 -	___	Water	Water sample FRCK 606		02/19/2009	10:15			02/23/2009
238 -	___	Water	Water sample FRCK 606		02/19/2009	10:20			02/23/2009
239 -	___	Water	Water sample FRCK 605		02/19/2009	11:30			02/23/2009
240 -	___	Water	Water sample FRCK 605		02/19/2009	11:35			02/23/2009
241 -	___	Water	Water sample FRCK 569		02/19/2009	11:00			02/23/2009
242 -	___	Water	Water sample FRCK 569		02/19/2009	11:05			02/23/2009
243 -	___	Water	Water sample FRCK 570		02/19/2009	11:38			02/23/2009
244 -	___	Water	Water sample FRCK 570		02/19/2009	11:43			02/23/2009
245 -	___	Water	Water sample FRCK 571		02/19/2009	14:35			02/23/2009
246 -	___	Water	Water sample FRCK 571		02/19/2009	14:40			02/23/2009
247 -	___	Water	Water sample FRCK 571		02/19/2009	14:35			02/23/2009
248 -	___	Water	Water sample FRCK 571		02/19/2009	14:40			02/23/2009
249 -	___	Water	Water sample FRCK 572		02/19/2009	16:22			02/23/2009
250 -	___	Water	Water sample FRCK 572		02/19/2009	16:27			02/23/2009
251 -	___	Water	Water sample FRCK 572		02/19/2009	16:22			02/23/2009
252 -	___	Water	Water sample FRCK 618		02/19/2009	14:25			02/23/2009
253 -	___	Water	Water sample FRCK 618		02/19/2009	14:30			02/23/2009
254 -	___	Water	Water sample FRCK 618		02/19/2009	14:25			02/23/2009
255 -	___	Water	Water sample FRCK 618		02/19/2009	14:30			02/23/2009

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**Analysis**      **Comments About Results For This Analysis**

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**1**    **Metals in Solids by ICP**

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3122.3C

Basis: Dry

Samples: 1-\_\_      2-\_\_      3-\_\_      3-FD      4-\_\_      5-\_\_      6-\_\_  
             7-\_\_      8-\_\_      9-\_\_      10-\_\_      11-\_\_      12-\_\_      13-\_\_  
             14-\_\_      15-\_\_      16-\_\_      17-\_\_      18-\_\_

Comments:

Cadmium (74, 75-115) was J-coded in sample 4264-16. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of the analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

**1**    **Percent Solid**

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3142.9E

Basis: N/A

Samples: 1-\_\_      2-\_\_      3-\_\_      3-FD      4-\_\_      5-\_\_      6-\_\_  
             7-\_\_      8-\_\_      9-\_\_      10-\_\_      11-\_\_      12-\_\_      13-\_\_  
             14-\_\_      15-\_\_      16-\_\_      17-\_\_      18-\_\_

Comments:

(N/A)

**1**    **Metals in Water by ICP/MS**

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples: 101-\_\_      102-\_\_      103-\_\_      104-\_\_      105-\_\_      106-\_\_      107-\_\_  
             108-\_\_      109-\_\_      110-\_\_      111-\_\_      112-\_\_      113-\_\_      114-\_\_  
             115-\_\_      116-\_\_      117-\_\_      118-\_\_      118-FD      119-\_\_      120-\_\_  
             121-\_\_      122-\_\_      123-\_\_      124-\_\_      125-\_\_      126-\_\_      127-\_\_  
             128-\_\_      128-FD      129-\_\_      130-\_\_      131-\_\_      132-\_\_      133-\_\_  
             134-\_\_      135-\_\_      136-\_\_      137-\_\_      138-\_\_      139-\_\_      140-\_\_  
             141-\_\_      142-\_\_      143-\_\_      144-\_\_      145-\_\_      146-\_\_      147-\_\_  
             148-\_\_      148-FD      149-\_\_      150-\_\_      151-\_\_      152-\_\_      153-\_\_  
             154-\_\_      155-\_\_      156-\_\_      157-\_\_      158-\_\_      158-FD      159-\_\_  
             160-\_\_      161-\_\_      162-\_\_      163-\_\_      164-\_\_      165-\_\_      166-\_\_  
             167-\_\_      168-\_\_      169-\_\_      170-\_\_      171-\_\_      172-\_\_      173-\_\_  
             174-\_\_      175-\_\_      176-\_\_      176-FD      177-\_\_      178-\_\_      178-FD  
             179-\_\_      180-\_\_      181-\_\_      182-\_\_      183-\_\_      184-\_\_      184-FD  
             185-\_\_      186-\_\_      187-\_\_      188-\_\_      189-\_\_      190-\_\_      191-\_\_

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Analysis	Comments About Results For This Analysis
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Samples:	192-__	193-__	194-__	194-FD	195-__	196-__	197-__
	198-__	199-__	200-__	201-__	202-__	202-FD	203-__
	204-__	205-__	206-__	207-__	208-__	208-FD	209-__
	210-__	211-__	212-__	212-FD	213-__	214-__	215-__
	216-__	217-__	218-__	219-__	220-__	221-__	222-__
	223-__	224-__	225-__	226-__	227-__	228-__	229-__
	230-__	231-__	232-__	233-__	234-__	235-__	236-__
	237-__	238-__	239-__	240-__	241-__	242-__	243-__
	244-__	245-__	246-__	247-__	248-__	249-__	250-__
	251-__	252-__	253-__	254-__	255-__		

Comments:

(N/A)

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	1-__	2-__	3-__	3-FD
1 Metals in Solids by ICP					
Barium	mg/kg	9040	5960	478	432
Cadmium	mg/kg	1.8	1.6	3.0	3.4
Lead	mg/kg	498	1160	284	252
1 Percent Solid					
Solids, percent	%	99.4	99.4	97.8	97.6

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	4-__	5-__	6-__	7-__
1 Metals in Solids by ICP					
Barium	mg/kg	2240	5780	920	4180
Cadmium	mg/kg	1.0 U	1.0 U	10.4	1.4
Lead	mg/kg	436	1860	1270	1140
1 Percent Solid					
Solids, percent	%	99.6	100	100	99.5

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	8-__	9-__	10-__	11-__
1 Metals in Solids by ICP					
Barium	mg/kg	3050	2680	33.7	171
Cadmium	mg/kg	9.2	1.0 U	1.0 U	1.0
Lead	mg/kg	1700	374	2120	777
1 Percent Solid					
Solids, percent	%	99.8	99.3	99.8	98.9

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	12-__	13-__	14-__	15-__
1 Metals in Solids by ICP					
Barium	mg/kg	322	78.3	3620	6200
Cadmium	mg/kg	6.8	2.3	1.4	3.3
Lead	mg/kg	1840	279	297	760
1 Percent Solid					
Solids, percent	%	99.8	97.9	99.5	99.2

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	16-__	17-__	18-__	101-__
1 Metals in Solids by ICP					
Barium	mg/kg	4630	18.9	168	
Cadmium	mg/kg	1.8 J	1.0 U	2.3	
Lead	mg/kg	684	261	365	
1 Percent Solid					
Solids, percent	%	100	99.4	99.1	
1 Metals in Water by ICP/MS					
Barium	ug/L				69.9
Cadmium	ug/L				1.00 U
Lead	ug/L				1.00 U



ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	102-__	103-__	104-__	105-__
1 Metals in Water by ICP/MS					
Barium	ug/L	69.2	16.5	16.3	10.0 U
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	106-__	107-__	108-__	109-__
1 Metals in Water by ICP/MS					
Barium	ug/L	10.0 U	40.8	41.8	50.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	2.74	1.00 U	2.20

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	110-__	111-__	112-__	113-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.7	43.2	49.7	61.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	4.47	2.32	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	114-__	115-__	116-__	117-__
1 Metals in Water by ICP/MS					
Barium	ug/L	61.1	51.3	50.2	50.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	6.04

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	118-__	118-FD	119-__	120-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.4	50.4	10.0 U	10.0 U
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.26	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	121-__	122-__	123-__	124-__
1 Metals in Water by ICP/MS					
Barium	ug/L	17.5	17.1	33.8	33.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	33.2	14.3

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	125-__	126-__	127-__	128-__
1 Metals in Water by ICP/MS					
Barium	ug/L	50.3	49.8	378	472
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.80	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	128-FD	129-__	130-__	131-__
1 Metals in Water by ICP/MS					
Barium	ug/L	462	114	116	135
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.78



ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	132-__	133-__	134-__	135-__
1 Metals in Water by ICP/MS					
Barium	ug/L	140	140	143	32.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.52

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	136-__	137-__	138-__	139-__
1 Metals in Water by ICP/MS					
Barium	ug/L	32.1	45.1	48.1	37.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	2.67	1.00 U	20.0

ASR Number: 4264

RLAB Approved Sample Analysis Results

03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	140-__	141-__	142-__	143-__
1 Metals in Water by ICP/MS					
Barium	ug/L	35.3	28.9	28.3	280
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.60

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	144-__	145-__	146-__	147-__
1 Metals in Water by ICP/MS					
Barium	ug/L	285	279	270	22.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.21	2.05	1.48	1.41

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	148-__	148-FD	149-__	150-__
1 Metals in Water by ICP/MS					
Barium	ug/L	23.4	23.1	22.9	23.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.59	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	151-__	152-__	153-__	154-__
1 Metals in Water by ICP/MS					
Barium	ug/L	24.2	23.5	31.6	32.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	5.05	1.00 U	1.33	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	155-__	156-__	157-__	158-__
1 Metals in Water by ICP/MS					
Barium	ug/L	67.9	66.9	68.7	66.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.64	1.00 U	3.40	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	158-FD	159-__	160-__	161-__
1 Metals in Water by ICP/MS					
Barium	ug/L	65.4	25.1	26.1	33.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U



ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	162-__	163-__	164-__	165-__
1 Metals in Water by ICP/MS					
Barium	ug/L	36.0	51.5	51.7	39.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.03	1.24	1.00 U	1.00 U

ASR Number: 4264

RLAB Approved Sample Analysis Results

03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	166-__	167-__	168-__	169-__
1 Metals in Water by ICP/MS					
Barium	ug/L	38.9	39.0	39.9	40.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	170-__	171-__	172-__	173-__
1 Metals in Water by ICP/MS					
Barium	ug/L	41.0	41.0	40.1	217
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	174-__	175-__	176-__	176-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	216	219	217	217
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.12	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	177-__	178-__	178-FD	179-__
1 Metals in Water by ICP/MS					
Barium	ug/L	88.5	85.3	85.9	51.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	5.23

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	180-__	181-__	182-__	183-__
1 Metals in Water by ICP/MS					
Barium	ug/L	50.9	70.3	64.6	116
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.43	1.00 U	33.5

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	184-__	184-FD	185-__	186-__
1 Metals in Water by ICP/MS					
Barium	ug/L	64.3	63.8	43.6	42.5
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	187-__	188-__	189-__	190-__
1 Metals in Water by ICP/MS					
Barium	ug/L	44.9	44.9	15.1	15.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	19.3	1.00 U	2.41	1.13



ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	191-__	192-__	193-__	194-__
1 Metals in Water by ICP/MS					
Barium	ug/L	40.8	45.9	52.4	50.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	12.1	1.04	2.52	3.95

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	194-FD	195-__	196-__	197-__
1 Metals in Water by ICP/MS					
Barium	ug/L	51.5	49.8	52.1	49.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	3.94	1.00 U	1.00 U	2.23

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	198-__	199-__	200-__	201-__
1 Metals in Water by ICP/MS					
Barium	ug/L	51.5	43.3	43.5	45.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	202-__	202-FD	203-__	204-__
1 Metals in Water by ICP/MS					
Barium	ug/L	44.8	45.3	59.0	80.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	205-__	206-__	207-__	208-__
1 Metals in Water by ICP/MS					
Barium	ug/L	142	145	51.9	52.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.56	5.18	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	208-FD	209-__	210-__	211-__
1 Metals in Water by ICP/MS					
Barium	ug/L	51.6	98.8	101	53.5
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.59	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	212-__	212-FD	213-__	214-__
1 Metals in Water by ICP/MS					
Barium	ug/L	54.3	54.6	55.2	54.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	2.25	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	215-__	216-__	217-__	218-__
1 Metals in Water by ICP/MS					
Barium	ug/L	533	544	56.1	57.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	29.8	1.59	1.00 U	1.00 U



ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	219-__	220-__	221-__	222-__
1 Metals in Water by ICP/MS					
Barium	ug/L	33.8	26.3	48.5	41.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	30.8	20.5	32.4	2.89

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	223-__	224-__	225-__	226-__
1 Metals in Water by ICP/MS					
Barium	ug/L	40.7	41.8	73.7	77.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	16.2	1.00 U	1.31	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	227-__	228-__	229-__	230-__
1 Metals in Water by ICP/MS					
Barium	ug/L	78.9	80.3	76.6	74.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	6.48	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	231-__	232-__	233-__	234-__
1 Metals in Water by ICP/MS					
Barium	ug/L	59.4	59.7	59.2	59.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	4.69	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	235-__	236-__	237-__	238-__
1 Metals in Water by ICP/MS					
Barium	ug/L	60.9	59.2	59.7	59.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	239-__	240-__	241-__	242-__
1 Metals in Water by ICP/MS					
Barium	ug/L	58.2	58.6	51.6	52.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	5.79	1.09	3.52	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	243-__	244-__	245-__	246-__
1 Metals in Water by ICP/MS					
Barium	ug/L	28.2	28.4	27.3	28.5
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.06	1.00 U

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	247-__	248-__	249-__	250-__
1 Metals in Water by ICP/MS					
Barium	ug/L	28.7	29.0	26.7	27.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.14	1.00 U	1.81	1.00 U



ASR Number: 4264

RLAB Approved Sample Analysis Results

03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	251-__	252-__	253-__	254-__
1 Metals in Water by ICP/MS					
Barium	ug/L	35.3	48.7	49.1	49.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.75

ASR Number: 4264  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

03/16/2009

Analysis/ Analyte	Units	255-__
1 Metals in Water by ICP/MS		
Barium	ug/L	50.2
Cadmium	ug/L	1.00 U
Lead	ug/L	1.00 U

United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4264

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_

United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 04/09/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4281

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

% = Percent

FD = Field Duplicate

mg/kg = Milligrams per Kilogram

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an  
estimate.

U = The analyte was not detected at or above the reporting limit.

UJ = The analyte was not detected at or above the reporting limit. The reporting  
limit is an estimate.

ASR Number: 4281

## Sample Information Summary

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ___		Solid	FRCK-612, Driveway		03/02/2009	18:00			03/16/2009
2 - ___		Solid	FRCK-573, Driveway		03/03/2009	08:32			03/16/2009
3 - ___		Solid	FRCK-575, Driveway		03/03/2009	08:50			03/16/2009
4 - ___		Solid	FRCK-578, Driveway		03/04/2009	08:55			03/16/2009
5 - ___		Solid	FRCK-581, Cell 2		03/04/2009	09:10			03/16/2009
5 - FD		Solid	FRCK-581, Cell 2/Field Duplicate of sample 5		03/04/2009	09:10			03/16/2009
6 - ___		Solid	FRCK-577, Driveway		03/04/2009	19:00			03/16/2009
7 - ___		Solid	FRCK-577, Cell 1		03/04/2009	19:09			03/16/2009
8 - ___		Solid	FRCK-582, Driveway		03/05/2009	08:19			03/16/2009
9 - ___		Solid	FRCK-582, Cell 1		03/05/2009	08:24			03/16/2009
10 - ___		Solid	FRCK-609, Driveway		03/06/2009	09:28			03/16/2009
11 - ___		Solid	FRCK-610, Driveway		03/06/2009	09:41			03/16/2009
12 - ___		Solid	FRCK-611, Driveway		03/06/2009	09:46			03/16/2009
13 - ___		Solid	FRCK-613, Driveway		03/06/2009	10:16			03/16/2009
14 - ___		Solid	FRCK-619, Driveway 1		03/06/2009	11:32			03/16/2009
15 - ___		Solid	FRCK-623, Driveway		03/07/2009	09:34			03/16/2009
16 - ___		Solid	FRCK-625, Cell 4		03/08/2009	13:50			03/16/2009
17 - ___		Solid	FRCK-628, Cell 2		03/08/2009	15:11			03/16/2009
17 - FD		Solid	FRCK-628, Cell 2/Field Duplicate of sample 17		03/08/2009	15:11			03/16/2009
18 - ___		Solid	FRCK-628, Driveway		03/08/2009	15:28			03/16/2009
19 - ___		Solid	FRCK-634, Driveway		03/08/2009	15:44			03/16/2009
20 - ___		Solid	FRCK-631, Cell 1		03/09/2009	08:46			03/16/2009
21 - ___		Solid	FRCK-636, Cell 5		03/09/2009	09:19			03/16/2009
22 - ___		Solid	FRCK-616, Cell 1		03/10/2009	08:41			03/16/2009
101 - ___		Water	FRCK-608, Kitchen sink (unpurged)		02/19/2009	16:30			03/16/2009
102 - ___		Water	FRCK-608, Kitchen sink (purged)		02/19/2009	16:35			03/16/2009
103 - ___		Water	FRCK-608, Spigot (unpurged)		02/19/2009	16:30			03/16/2009
104 - ___		Water	FRCK-608, Spigot (purged)		02/19/2009	16:35			03/16/2009
105 - ___		Water	FRCK-609, Spigot (unpurged)		02/20/2009	09:30			03/16/2009
106 - ___		Water	FRCK-609, Spigot (purged)		02/20/2009	09:35			03/16/2009
106 - FD		Water	FRCK-609, Spigot (purged)/Field Duplicate of sample 106		02/20/2009	09:35			03/16/2009
107 - ___		Water	FRCK-611, Kitchen sink (unpurged)		02/20/2009	10:02			03/16/2009
108 - ___		Water	FRCK-611, Kitchen sink (purged)		02/20/2009	10:07			03/16/2009
109 - ___		Water	FRCK-611, Spigot (unpurged)		02/20/2009	10:02			03/16/2009
110 - ___		Water	FRCK-611, Spigot (purged)		02/20/2009	10:07			03/16/2009
111 - ___		Water	FRCK-612, Kitchen sink (unpurged)		02/20/2009	10:35			03/16/2009
112 - ___		Water	FRCK-612, Kitchen sink (purged)		02/20/2009	10:40			03/16/2009
113 - ___		Water	FRCK-612, Spigot (unpurged)		02/20/2009	10:35			03/16/2009
114 - ___		Water	FRCK-612, Spigot (purged)		02/20/2009	10:40			03/16/2009
115 - ___		Water	FRCK-573, Spigot (unpurged)		02/20/2009	11:05			03/16/2009
116 - ___		Water	FRCK-573, Spigot (purged)		02/20/2009	11:10			03/16/2009
116 - FD		Water	FRCK-573, Spigot (purged)/Field		02/20/2009	11:10			03/16/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
Duplicate of sample 116									
117 - ___		Water	FRCK-574, Spigot (unpurged)		02/20/2009	11:37			03/16/2009
118 - ___		Water	FRCK-574, Spigot (purged)		02/20/2009	11:42			03/16/2009
118 - FD		Water	FRCK-574, Spigot (purged)/Field Duplicate of sample 118		02/20/2009	11:42			03/16/2009
119 - ___		Water	FRCK-610, Kitchen sink (unpurged)		02/20/2009	15:15			03/16/2009
120 - ___		Water	FRCK-610, Kitchen sink (purged)		02/20/2009	15:20			03/16/2009
120 - FD		Water	FRCK-610, Kitchen sink (purged)/Field Duplicate of sample 120		02/20/2009	15:20			03/16/2009
121 - ___		Water	FRCK-613, Kitchen sink (unpurged)		02/20/2009	13:52			03/16/2009
122 - ___		Water	FRCK-613, Kitchen sink (purged)		02/20/2009	13:57			03/16/2009
123 - ___		Water	FRCK-613, Spigot (unpurged)		02/20/2009	13:52			03/16/2009
124 - ___		Water	FRCK-613, Spigot (purged)		02/20/2009	13:57			03/16/2009
125 - ___		Water	FRCK-630, Spigot (unpurged)		02/20/2009	16:30			03/16/2009
126 - ___		Water	FRCK-630, Spigot (purged)		02/20/2009	16:35			03/16/2009
127 - ___		Water	FRCK-575, Spigot (unpurged)		02/20/2009	13:30			03/16/2009
128 - ___		Water	FRCK-575, Spigot (purged)		02/20/2009	13:35			03/16/2009
129 - ___		Water	FRCK-576, Spigot (unpurged)		02/20/2009	14:16			03/16/2009
130 - ___		Water	FRCK-576, Spigot (purged)		02/20/2009	14:21			03/16/2009
131 - ___		Water	FRCK-577, Spigot (unpurged)		02/20/2009	15:00			03/16/2009
132 - ___		Water	FRCK-577, Spigot (purged)		02/20/2009	15:05			03/16/2009
133 - ___		Water	FRCK-578, Spigot (unpurged)		02/20/2009	15:44			03/16/2009
134 - ___		Water	FRCK-578, Spigot (purged)		02/20/2009	15:49			03/16/2009
135 - ___		Water	FRCK-579, Hydrant (unpurged)		02/20/2009	16:20			03/16/2009
136 - ___		Water	FRCK-579, Hydrant (purged)		02/20/2009	16:25			03/16/2009
137 - ___		Water	FRCK-580, Hydrant (unpurged)		02/21/2009	09:34			03/16/2009
138 - ___		Water	FRCK-580, Hydrant (purged)		02/21/2009	09:39			03/16/2009
138 - FD		Water	FRCK-580, Hydrant (purged)/Field Duplicate of sample 138		02/21/2009	09:39			03/16/2009
139 - ___		Water	FRCK-581, Hydrant (unpurged)		02/21/2009	10:05			03/16/2009
140 - ___		Water	FRCK-581, Hydrant (purged)		02/21/2009	10:10			03/16/2009
141 - ___		Water	FRCK-582, Spigot (unpurged)		02/21/2009	11:46			03/16/2009
142 - ___		Water	FRCK-582, Spigot (purged)		02/21/2009	11:51			03/16/2009
143 - ___		Water	FRCK-583, Kitchen sink (unpurged)		02/21/2009	10:50			03/16/2009
144 - ___		Water	FRCK-583, Kitchen sink (purged)		02/21/2009	10:55			03/16/2009
145 - ___		Water	FRCK-583, Hydrant (unpurged)		02/21/2009	10:50			03/16/2009
146 - ___		Water	FRCK-583, Hydrant (purged)		02/21/2009	10:55			03/16/2009
147 - ___		Water	FRCK-619, Kitchen sink (unpurged)		03/03/2009	11:10			03/16/2009
148 - ___		Water	FRCK-619, Kitchen sink (purged)		03/03/2009	11:15			03/16/2009
148 - FD		Water	FRCK-619, Kitchen sink (purged)/Field Duplicate of sample 148		03/03/2009	11:15			03/16/2009
149 - ___		Water	FRCK-634, Kitchen sink (unpurged)		03/03/2009	09:58			03/16/2009

ASR Number: 4281

## Sample Information Summary

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
150 -	___	Water	FRCK-634, Kitchen sink (purged)		03/03/2009	10:03			03/16/2009
151 -	___	Water	FRCK-634, Hydrant (unpurged)		03/03/2009	10:01			03/16/2009
152 -	___	Water	FRCK-634, Hydrant (purged)		03/03/2009	10:06			03/16/2009
153 -	___	Water	FRCK-621, Kitchen sink (unpurged)		03/03/2009	14:17			03/16/2009
154 -	___	Water	FRCK-621, Kitchen sink (purged)		03/03/2009	14:22			03/16/2009
155 -	___	Water	FRCK-621, Spigot (unpurged)		03/03/2009	14:21			03/16/2009
156 -	___	Water	FRCK-621, Spigot (purged)		03/03/2009	14:26			03/16/2009
157 -	___	Water	FRCK-623, Kitchen sink (unpurged)		03/03/2009	16:04			03/16/2009
158 -	___	Water	FRCK-623, Kitchen sink (purged)		03/03/2009	16:09			03/16/2009
159 -	___	Water	FRCK-623, Spigot (unpurged)		03/03/2009	15:59			03/16/2009
160 -	___	Water	FRCK-623, Spigot (purged)		03/03/2009	16:04			03/16/2009
160 -	FD	Water	FRCK-623, Spigot (purged)/Field Duplicate of sample 160		03/03/2009	16:04			03/16/2009
161 -	___	Water	FRCK-622, Kitchen sink (unpurged)		03/03/2009	16:25			03/16/2009
162 -	___	Water	FRCK-622, Kitchen sink (purged)		03/03/2009	16:30			03/16/2009
163 -	___	Water	FRCK-622, Spigot (unpurged)		03/03/2009	16:25			03/16/2009
164 -	___	Water	FRCK-622, Spigot (purged)		03/03/2009	16:30			03/16/2009
165 -	___	Water	FRCK-585, Kitchen sink (unpurged)		03/04/2009	11:15			03/16/2009
166 -	___	Water	FRCK-585, Kitchen sink (purged)		03/04/2009	11:20			03/16/2009
167 -	___	Water	FRCK-585, Spigot (purged) - Artesian Well	Artesian Well	03/04/2009	11:25			03/16/2009
168 -	___	Water	FRCK-586, Kitchen sink (unpurged)		03/04/2009	11:50			03/16/2009
169 -	___	Water	FRCK-586, Kitchen sink (purged)		03/04/2009	11:55			03/16/2009
170 -	___	Water	FRCK-626, Kitchen sink (unpurged)		03/04/2009	15:35			03/16/2009
171 -	___	Water	FRCK-626, Kitchen sink (purged)		03/04/2009	15:40			03/16/2009
172 -	___	Water	FRCK-626, Hydrant (unpurged)		03/04/2009	15:35			03/16/2009
173 -	___	Water	FRCK-626, Hydrant (purged)		03/04/2009	15:40			03/16/2009
173 -	FD	Water	FRCK-626, Hydrant (purged)/Field Duplicate of sample 173		03/04/2009	15:40			03/16/2009
174 -	___	Water	FRCK-625, Spigot (unpurged)		03/04/2009	14:53			03/16/2009
175 -	___	Water	FRCK-625, Spigot (purged)		03/04/2009	14:58			03/16/2009
175 -	FD	Water	FRCK-625, Spigot (purged)/Field Duplicate of sample 175		03/04/2009	14:58			03/16/2009
176 -	___	Water	FRCK-628, Kitchen sink (unpurged)		03/04/2009	16:45			03/16/2009
177 -	___	Water	FRCK-628, Kitchen sink (purged)		03/04/2009	16:50			03/16/2009
178 -	___	Water	FRCK-628, Spigot (unpurged)		03/04/2009	16:45			03/16/2009
179 -	___	Water	FRCK-628, Spigot (purged)		03/04/2009	16:50			03/16/2009
180 -	___	Water	FRCK-627, Kitchen sink (unpurged)		03/05/2009	09:35			03/16/2009
181 -	___	Water	FRCK-627, Kitchen sink (purged)		03/05/2009	09:40			03/16/2009
182 -	___	Water	FRCK-627, Hydrant (unpurged)		03/05/2009	09:35			03/16/2009
183 -	___	Water	FRCK-627, Hydrant (purged)		03/05/2009	09:40			03/16/2009
183 -	FD	Water	FRCK-627, Hydrant (purged)/Field Duplicate of		03/05/2009	09:40			03/16/2009



ASR Number: 4281

## Sample Information Summary

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
sample 183									
184 - ___		Water	FRCK-615, Trailer A - Kitchen sink (unpurged)		03/05/2009	09:35			03/16/2009
185 - ___		Water	FRCK-615, Trailer A - Kitchen sink (purged)		03/05/2009	09:40			03/16/2009
186 - ___		Water	FRCK-587, Kitchen sink (unpurged)		03/05/2009	10:50			03/16/2009
187 - ___		Water	FRCK-587, Kitchen sink (purged)		03/05/2009	10:55			03/16/2009
188 - ___		Water	FRCK-587, Hydrant (unpurged)		03/05/2009	10:55			03/16/2009
189 - ___		Water	FRCK-587, Hydrant (purged)		03/05/2009	11:00			03/16/2009
190 - ___		Water	FRCK-616, Spigot (unpurged)		03/05/2009	15:10			03/16/2009
191 - ___		Water	FRCK-616, Spigot (purged)		03/05/2009	15:15			03/16/2009
191 - FD		Water	FRCK-616, Spigot (purged)/Field Duplicate of sample 191		03/05/2009	15:15			03/16/2009
192 - ___		Water	FRCK-617, Hydrant (unpurged)		03/06/2009	13:05			03/16/2009
193 - ___		Water	FRCK-617, Hydrant (purged)		03/06/2009	13:10			03/16/2009
194 - ___		Water	FRCK-631, Kitchen sink (unpurged)		03/06/2009	14:05			03/16/2009
195 - ___		Water	FRCK-631, Kitchen sink (purged)		03/06/2009	14:10			03/16/2009
196 - ___		Water	FRCK-631, Spigot (unpurged)		03/06/2009	14:10			03/16/2009
197 - ___		Water	FRCK-631, Spigot (purged)		03/06/2009	14:15			03/16/2009
198 - ___		Water	FRCK-635, Kitchen sink (unpurged)		03/06/2009	14:50			03/16/2009
199 - ___		Water	FRCK-635, Kitchen sink (purged)		03/06/2009	14:55			03/16/2009
200 - ___		Water	FRCK-635, Spigot (unpurged)		03/06/2009	14:50			03/16/2009
201 - ___		Water	FRCK-635, Spigot (purged)		03/06/2009	14:55			03/16/2009
201 - FD		Water	FRCK-635, Spigot (purged)/Field Duplicate of sample 201		03/06/2009	14:55			03/16/2009
202 - ___		Water	FRCK-636, Kitchen sink (unpurged)		03/06/2009	15:33			03/16/2009
203 - ___		Water	FRCK-636, Kitchen sink (purged)		03/06/2009	15:38			03/16/2009
204 - ___		Water	FRCK-636, Hydrant (unpurged)		03/06/2009	15:39			03/16/2009
205 - ___		Water	FRCK-636, Hydrant (purged)		03/06/2009	15:44			03/16/2009
206 - ___		Water	FRCK-637, Kitchen sink (unpurged)		03/06/2009	16:20			03/16/2009
207 - ___		Water	FRCK-637, Kitchen sink (purged)		03/06/2009	16:25			03/16/2009
208 - ___		Water	FRCK-637, Hydrant (unpurged)		03/06/2009	16:20			03/16/2009
209 - ___		Water	FRCK-637, Hydrant (purged)		03/06/2009	16:25			03/16/2009
210 - ___		Water	FRCK-638, Spigot (unpurged)		03/07/2009	11:15			03/16/2009
211 - ___		Water	FRCK-638, Spigot (purged)		03/07/2009	11:20			03/16/2009
211 - FD		Water	FRCK-638, Spigot (purged)/Field Duplicate of sample 211		03/07/2009	11:20			03/16/2009
212 - ___		Water	FRCK-639, Kitchen sink (unpurged)		03/07/2009	12:30			03/16/2009
213 - ___		Water	FRCK-639, Kitchen sink (purged)		03/07/2009	12:35			03/16/2009
214 - ___		Water	FRCK-639, Spigot (unpurged)		03/07/2009	12:30			03/16/2009
215 - ___		Water	FRCK-639, Spigot (purged)		03/07/2009	12:35			03/16/2009
216 - ___		Water	FRCK-641, Kitchen sink (unpurged)		03/07/2009	15:05			03/16/2009
217 - ___		Water	FRCK-641, Kitchen sink (purged)		03/07/2009	15:10			03/16/2009
218 - ___		Water	FRCK-641, Spigot (unpurged)		03/07/2009	15:05			03/16/2009

ASR Number: 4281

## Sample Information Summary

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
219 - ___		Water	FRCK-641, Spigot (purged)		03/07/2009	15:10			03/16/2009
219 - FD		Water	FRCK-641, Spigot (purged)/Field Duplicate of sample 219		03/07/2009	15:10			03/16/2009
220 - ___		Water	FRCK-642, Kitchen sink (unpurged)		03/08/2009	13:45			03/16/2009
221 - ___		Water	FRCK-642, Kitchen sink (purged)		03/08/2009	13:50			03/16/2009
222 - ___		Water	FRCK-645, Kitchen sink (unpurged)		03/08/2009	14:37			03/16/2009
223 - ___		Water	FRCK-645, Kitchen sink (purged)		03/08/2009	14:42			03/16/2009
224 - ___		Water	FRCK-646, Kitchen sink (unpurged)		03/08/2009	14:25			03/16/2009
225 - ___		Water	FRCK-646, Kitchen sink (purged)		03/08/2009	14:30			03/16/2009
226 - ___		Water	FRCK-647, Kitchen sink (unpurged)		03/08/2009	15:30			03/16/2009
227 - ___		Water	FRCK-647, Kitchen sink (purged)		03/08/2009	15:35			03/16/2009
228 - ___		Water	FRCK-647, Spigot (unpurged)		03/08/2009	15:30			03/16/2009
229 - ___		Water	FRCK-647, Spigot (purged)		03/08/2009	15:35			03/16/2009
229 - FD		Water	FRCK-647, Spigot (purged)/Field Duplicate of sample 229		03/08/2009	15:35			03/16/2009
230 - ___		Water	FRCK-648, Kitchen sink (unpurged)		03/08/2009	15:30			03/16/2009
231 - ___		Water	FRCK-648, Kitchen sink (purged)		03/08/2009	15:35			03/16/2009
232 - ___		Water	FRCK-649, Kitchen sink (unpurged)		03/09/2009	12:05			03/16/2009
233 - ___		Water	FRCK-649, Kitchen sink (purged)		03/09/2009	12:10			03/16/2009
234 - ___		Water	FRCK-649, Spigot (unpurged)		03/09/2009	12:05			03/16/2009
235 - ___		Water	FRCK-649, Spigot (purged)		03/09/2009	12:10			03/16/2009
236 - ___		Water	FRCK-650, Kitchen sink (unpurged)		03/09/2009	14:50			03/16/2009
237 - ___		Water	FRCK-650, Kitchen sink (purged)		03/09/2009	14:55			03/16/2009
238 - ___		Water	FRCK-650, Hydrant (unpurged)		03/09/2009	14:50			03/16/2009
239 - ___		Water	FRCK-650, Hydrant (purged)		03/09/2009	14:55			03/16/2009
240 - ___		Water	FRCK-651, Kitchen sink (unpurged)		03/09/2009	16:10			03/16/2009
241 - ___		Water	FRCK-651, Kitchen sink (purged)		03/09/2009	16:15			03/16/2009
242 - ___		Water	FRCK-678, Kitchen sink (unpurged)		03/10/2009	10:35			03/16/2009
243 - ___		Water	FRCK-678, Kitchen sink (purged)		03/10/2009	10:40			03/16/2009
244 - ___		Water	FRCK-678, Spigot (unpurged)		03/10/2009	10:35			03/16/2009
245 - ___		Water	FRCK-678, Spigot (purged)		03/10/2009	10:40			03/16/2009
246 - ___		Water	FRCK-652, Kitchen sink (unpurged)		03/10/2009	13:20			03/16/2009
247 - ___		Water	FRCK-652, Kitchen sink (purged)		03/10/2009	13:25			03/16/2009
248 - ___		Water	FRCK-652, Hydrant (unpurged)		03/10/2009	13:20			03/16/2009
249 - ___		Water	FRCK-652, Hydrant (purged)		03/10/2009	13:25			03/16/2009
249 - FD		Water	FRCK-652, Hydrant (purged)/Field Duplicate of sample 249		03/10/2009	13:25			03/16/2009
250 - ___		Water	FRCK-653, Kitchen sink (unpurged)		03/10/2009	14:50			03/16/2009
251 - ___		Water	FRCK-653, Kitchen sink (purged)		03/10/2009	14:55			03/16/2009
252 - ___		Water	FRCK-653, Hydrant (unpurged)		03/10/2009	14:50			03/16/2009
253 - ___		Water	FRCK-653, Hydrant (purged)		03/10/2009	14:55			03/16/2009

ASR Number: 4281

## Sample Information Summary

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
253 - FD		Water	FRCK-653, Hydrant (purged)/Field Duplicate of sample 253		03/10/2009	14:55			03/16/2009
254 - ____		Water	FRCK-654, Kitchen sink (unpurged)		03/10/2009	15:55			03/16/2009
255 - ____		Water	FRCK-654, Kitchen sink (purged)		03/10/2009	16:00			03/16/2009
256 - ____		Water	FRCK-654, Hydrant (unpurged)		03/10/2009	15:55			03/16/2009
257 - ____		Water	FRCK-654, Hydrant (purged)		03/10/2009	16:00			03/16/2009
258 - ____		Water	FRCK-656, Kitchen sink (unpurged)		03/11/2009	11:55			03/16/2009
259 - ____		Water	FRCK-656, Kitchen sink (purged)		03/11/2009	12:00			03/16/2009
260 - ____		Water	FRCK-656, Hydrant (unpurged)		03/11/2009	11:55			03/16/2009
261 - ____		Water	FRCK-656, Hydrant (purged)		03/11/2009	12:00			03/16/2009
261 - FD		Water	FRCK-656, Hydrant (purged)/Field Duplicate of sample 261		03/11/2009	12:00			03/16/2009

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Analysis	Comments About Results For This Analysis
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## 1 Metals in Solids by ICP

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3122.3C

Basis: Dry

Samples:	1-__	2-__	3-__	4-__	5-__	5-FD	6-__
	7-__	8-__	9-__	10-__	11-__	12-__	13-__
	14-__	15-__	16-__	17-__	17-FD	18-__	19-__
	20-__	21-__	22-__				

Comments:

Cadmium (61, 61, 75-115) was UJ-coded in sample 1. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

Cadmium (64, 66, 75-115) was J-coded in sample 18. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

## 1 Percent Solid

Lab: Region 7 ESAT Contract Lab (In-House)

Method: EPA Region 7 RLAB Method 3142.9E

Basis: N/A

Samples:	1-__	2-__	3-__	4-__	5-__	5-FD	6-__
	7-__	8-__	9-__	10-__	11-__	12-__	13-__
	14-__	15-__	16-__	17-__	17-FD	18-__	19-__
	20-__	21-__	22-__				

Comments:

(N/A)

## 1 Metals in Water by ICP/MS

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples:	101-__	102-__	103-__	104-__	105-__	106-__	106-FD
	107-__	108-__	109-__	110-__	111-__	112-__	113-__
	114-__	115-__	116-__	116-FD	117-__	118-__	118-FD
	119-__	120-__	120-FD	121-__	122-__	123-__	124-__
	125-__	126-__	127-__	128-__	129-__	130-__	131-__
	132-__	133-__	134-__	135-__	136-__	137-__	138-__
	138-FD	139-__	140-__	141-__	142-__	143-__	144-__

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Analysis	Comments About Results For This Analysis
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Samples:	145-__	146-__	147-__	148-__	148-FD	149-__	150-__
	151-__	152-__	153-__	154-__	155-__	156-__	157-__
	158-__	159-__	160-__	160-FD	161-__	162-__	163-__
	164-__	165-__	166-__	167-__	168-__	169-__	170-__
	171-__	172-__	173-__	173-FD	174-__	175-__	175-FD
	176-__	177-__	178-__	179-__	180-__	181-__	182-__
	183-__	183-FD	184-__	185-__	186-__	187-__	188-__
	189-__	190-__	191-__	191-FD	192-__	193-__	194-__
	195-__	196-__	197-__	198-__	199-__	200-__	201-__
	201-FD	202-__	203-__	204-__	205-__	206-__	207-__
	208-__	209-__	210-__	211-__	211-FD	212-__	213-__
	214-__	215-__	216-__	217-__	218-__	219-__	219-FD
	220-__	221-__	222-__	223-__	224-__	225-__	226-__
	227-__	228-__	229-__	229-FD	230-__	231-__	232-__
	233-__	234-__	235-__	236-__	237-__	238-__	239-__
	240-__	241-__	242-__	243-__	244-__	245-__	246-__
	247-__	248-__	249-__	249-FD	250-__	251-__	252-__
	253-__	253-FD	254-__	255-__	256-__	257-__	258-__
	259-__	260-__	261-__	261-FD			

## Comments:

Slight lead contamination was found in the calibration blanks. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: Lead in - 101, -107, -113, -120, -125, -142, -145, -150, -151, -157, -172, -188, -193, -214, -226, -230, -233, -236, -237, -243, -249, -253FD, -254, and -257.

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Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 Metals in Solids by ICP					
Barium	mg/kg	1450	69.0	51.8	1820
Cadmium	mg/kg	1.0 UJ	1.0 U	1.0 U	1.0 U
Lead	mg/kg	543	831	4980	287
1 Percent Solid					
Solids, percent	%	99.9	99.4	99.5	99.6

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Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	5-__	5-FD	6-__	7-__
1 Metals in Solids by ICP					
Barium	mg/kg	210	241	200	196
Cadmium	mg/kg	1.0 U	1.0 U	1.0 U	1.0 U
Lead	mg/kg	195	522	744	331
1 Percent Solid					
Solids, percent	%	98.4	98.2	99.8	98.1

ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/09/2009

Analysis/ Analyte	Units	8-__	9-__	10-__	11-__
1 Metals in Solids by ICP					
Barium	mg/kg	152	80.9	2060	1020
Cadmium	mg/kg	1.0 U	12.5	2.10	1.0 U
Lead	mg/kg	283	450	860	340
1 Percent Solid					
Solids, percent	%	99.8	99.2	98.9	99.4



ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/09/2009

Analysis/ Analyte	Units	12-__	13-__	14-__	15-__
1 Metals in Solids by ICP					
Barium	mg/kg	1730	2070	2420	547
Cadmium	mg/kg	6.67	1.37	1.31	8.93
Lead	mg/kg	641	456	648	1080
1 Percent Solid					
Solids, percent	%	99.9	99.8	99.8	99.6

ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/09/2009

Analysis/ Analyte	Units	16-__	17-__	17-FD	18-__
1 Metals in Solids by ICP					
Barium	mg/kg	677	440	459	1840
Cadmium	mg/kg	1.0 U	1.0 U	1.0 U	3.15 J
Lead	mg/kg	509	590	607	3230
1 Percent Solid					
Solids, percent	%	98.0	95.6	95.4	99.7

ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/09/2009

Analysis/ Analyte	Units	19-__	20-__	21-__	22-__
1 Metals in Solids by ICP					
Barium	mg/kg	1130	721	1480	1570
Cadmium	mg/kg	1.0 U	1.0 U	1.0 U	1.0 U
Lead	mg/kg	395	629	2280	501
1 Percent Solid					
Solids, percent	%	99.5	97.2	97.5	98.0

ASR Number: 4281

RLAB Approved Sample Analysis Results

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Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	101-__	102-__	103-__	104-__
1 Metals in Water by ICP/MS					
Barium	ug/L	54.8	55.0	55.9	54.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.02 U	1.00 U	5.67	5.13

ASR Number: 4281

RLAB Approved Sample Analysis Results

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Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	105-__	106-__	106-FD	107-__
1 Metals in Water by ICP/MS					
Barium	ug/L	44.6	45.6	45.3	59.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	11.8	1.00 U	1.00 U	1.02 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	108-__	109-__	110-__	111-__
1 Metals in Water by ICP/MS					
Barium	ug/L	59.8	61.1	59.8	94.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.88

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	112-__	113-__	114-__	115-__
1 Metals in Water by ICP/MS					
Barium	ug/L	89.4	91.5	89.4	35.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.35 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	116-__	116-FD	117-__	118-__
1 Metals in Water by ICP/MS					
Barium	ug/L	35.7	34.9	27.4	26.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.45	1.00 U	5.11	1.00 U



ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	118-FD	119-__	120-__	120-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	24.9	50.8	48.9	50.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	121-__	122-__	123-__	124-__
1 Metals in Water by ICP/MS					
Barium	ug/L	51.1	51.6	53.6	52.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	3.62	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	125-__	126-__	127-__	128-__
1 Metals in Water by ICP/MS					
Barium	ug/L	61.9	64.9	47.9	38.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.15 U	11.5	106	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	129-__	130-__	131-__	132-__
1 Metals in Water by ICP/MS					
Barium	ug/L	41.5	44.5	81.6	80.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	28.3	1.00 U	2.24	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	133-__	134-__	135-__	136-__
1 Metals in Water by ICP/MS					
Barium	ug/L	54.9	55.5	59.6	62.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	9.20	1.00 U	6.01	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	137-__	138-__	138-FD	139-__
1 Metals in Water by ICP/MS					
Barium	ug/L	26.2	25.9	25.5	25.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	3.99	1.00 U	1.00 U	13.5

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	140-__	141-__	142-__	143-__
1 Metals in Water by ICP/MS					
Barium	ug/L	25.6	11.0	13.5	26.4
Cadmium	ug/L	1.00 U	1.49	1.00 U	1.00 U
Lead	ug/L	3.70	3.80	1.15 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	144-__	145-__	146-__	147-__
1 Metals in Water by ICP/MS					
Barium	ug/L	26.3	27.3	25.7	47.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.26 U	1.00 U	1.00 U



ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	148-__	148-FD	149-__	150-__
1 Metals in Water by ICP/MS					
Barium	ug/L	46.7	48.3	48.8	50.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.25 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	151-__	152-__	153-__	154-__
1 Metals in Water by ICP/MS					
Barium	ug/L	49.9	62.0	49.0	50.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.01 U	9.47	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	155-__	156-__	157-__	158-__
1 Metals in Water by ICP/MS					
Barium	ug/L	47.9	47.2	61.9	61.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.63 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	159-__	160-__	160-FD	161-__
1 Metals in Water by ICP/MS					
Barium	ug/L	64.9	62.5	65.0	63.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	162-__	163-__	164-__	165-__
1 Metals in Water by ICP/MS					
Barium	ug/L	64.4	64.2	63.1	51.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/09/2009

Analysis/ Analyte	Units	166-__	167-__	168-__	169-__
1 Metals in Water by ICP/MS					
Barium	ug/L	58.2	99.8	53.1	54.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	170-__	171-__	172-__	173-__
1 Metals in Water by ICP/MS					
Barium	ug/L	35.8	37.1	57.3	64.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.50 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	173-FD	174-__	175-__	175-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	62.3	48.7	47.3	47.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U



ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	176-__	177-__	178-__	179-__
1 Metals in Water by ICP/MS					
Barium	ug/L	65.8	64.3	66.2	66.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	180-__	181-__	182-__	183-__
1 Metals in Water by ICP/MS					
Barium	ug/L	57.6	91.2	61.0	82.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	183-FD	184-__	185-__	186-__
1 Metals in Water by ICP/MS					
Barium	ug/L	80.4	59.5	62.2	33.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4281  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

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Analysis/ Analyte	Units	187-__	188-__	189-__	190-__
1 Metals in Water by ICP/MS					
Barium	ug/L	34.8	33.5	32.7	936
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	5.94
Lead	ug/L	1.00 U	1.20 U	1.00 U	273

ASR Number: 4281

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Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	191-__	191-FD	192-__	193-__
1 Metals in Water by ICP/MS					
Barium	ug/L	264	268	36.7	42.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	14.3	14.7	1.00 U	1.56 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	194-__	195-__	196-__	197-__
1 Metals in Water by ICP/MS					
Barium	ug/L	906	987	976	965
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	9.33	11.1	14.2	11.0

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	198-__	199-__	200-__	201-__
1 Metals in Water by ICP/MS					
Barium	ug/L	582	605	575	584
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	11.5	10.9	10.8	10.7

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	201-FD	202-__	203-__	204-__
1 Metals in Water by ICP/MS					
Barium	ug/L	575	438	423	438
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	10.3	49.5	47.7	53.6



ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	205-__	206-__	207-__	208-__
1 Metals in Water by ICP/MS					
Barium	ug/L	442	411	584	573
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	54.6	12.8	15.0	21.6

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	209-__	210-__	211-__	211-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	644	52.4	49.7	51.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	8.49	1.43	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	212-__	213-__	214-__	215-__
1 Metals in Water by ICP/MS					
Barium	ug/L	57.1	54.1	54.1	55.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.31 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	216-__	217-__	218-__	219-__
1 Metals in Water by ICP/MS					
Barium	ug/L	321	339	341	366
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	3.00	2.34	2.72	2.57

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	219-FD	220-__	221-__	222-__
1 Metals in Water by ICP/MS					
Barium	ug/L	363	691	692	718
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	2.28	18.8	18.3	20.3

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	223-__	224-__	225-__	226-__
1 Metals in Water by ICP/MS					
Barium	ug/L	693	725	697	411
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	18.4	16.7	17.8	1.05 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	227-__	228-__	229-__	229-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	414	414	414	413
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.55	1.43	1.61	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	230-__	231-__	232-__	233-__
1 Metals in Water by ICP/MS					
Barium	ug/L	412	400	93.6	92.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.28 U	1.00 U	1.00 U	1.15 U



ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	234-__	235-__	236-__	237-__
1 Metals in Water by ICP/MS					
Barium	ug/L	95.2	91.8	174	174
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.78	1.00 U	1.27 U	1.03 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	238-__	239-__	240-__	241-__
1 Metals in Water by ICP/MS					
Barium	ug/L	172	171	170	171
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	2.22	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	242-__	243-__	244-__	245-__
1 Metals in Water by ICP/MS					
Barium	ug/L	80.8	72.4	985	968
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	2.34	1.00 U	5.25	22.5

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	246-__	247-__	248-__	249-__
1 Metals in Water by ICP/MS					
Barium	ug/L	10.0 U	10.0 U	221	214
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.33 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	249-FD	250-__	251-__	252-__
1 Metals in Water by ICP/MS					
Barium	ug/L	224	70.7	66.3	330
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	3.03

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	253-__	253-FD	254-__	255-__
1 Metals in Water by ICP/MS					
Barium	ug/L	350	356	191	190
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.40 U	1.38 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	256-__	257-__	258-__	259-__
1 Metals in Water by ICP/MS					
Barium	ug/L	191	186	171	139
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.48 U	1.00 U	1.00 U

ASR Number: 4281

RLAB Approved Sample Analysis Results

04/09/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Analysis/ Analyte	Units	260-__	261-__	261-FD
1 Metals in Water by ICP/MS				
Barium	ug/L	183	143	150
Cadmium	ug/L	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.83	1.00 U	1.00 U



United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4281

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_

United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 04/21/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4312

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford's mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

mg/kg = Milligrams per Kilogram

FD = Field Duplicate

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an  
estimate.

U = The analyte was not detected at or above the reporting limit.

UJ = The analyte was not detected at or above the reporting limit. The reporting  
limit is an estimate.

ASR Number: 4312

## Sample Information Summary

04/21/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	---	Solid	FRCK-663 Driveway				03/11/2009	08:16	03/26/2009
2 -	---	Solid	FRCK-657 Driveway				03/11/2009	17:32	03/26/2009
2 -	FD	Solid	FRCK-657 Driveway				03/11/2009	17:32	03/26/2009
3 -	---	Solid	FRCK-653 Driveway				03/12/2009	09:36	03/26/2009
4 -	---	Solid	FRCK-668 C-2				03/12/2009	12:15	03/26/2009
5 -	---	Solid	FRCK-668 C-5				03/12/2009	12:30	03/26/2009
6 -	---	Solid	FRCK-668 Gravel Area				03/12/2009	12:50	03/26/2009
6 -	FD	Solid	FRCK-668 Gravel Area				03/12/2009	12:50	03/26/2009
7 -	---	Solid	FRCK-666 C-2				03/13/2009	09:35	03/26/2009
8 -	---	Solid	FRCK-672 C-1				03/13/2009	09:45	03/26/2009
9 -	---	Solid	FRCK-677 C-2				03/16/2009	17:14	03/26/2009
9 -	FD	Solid	FRCK-677 C-2				03/16/2009	17:14	03/26/2009
10 -	---	Solid	FRCK-699 Driveway				03/16/2009	18:24	03/26/2009
11 -	---	Solid	FRCK-670 C-1				03/17/2009	08:15	03/26/2009
12 -	---	Solid	FRCK-678 Gravel Drive #2				03/18/2009	08:58	03/26/2009
13 -	---	Solid	FRCK-649 Driveway				03/18/2009	16:45	03/26/2009
14 -	---	Solid	FRCK-689 C-1				03/18/2009	17:45	03/26/2009
15 -	---	Solid	FRCK-639 Driveway				03/19/2009	08:54	03/26/2009
16 -	---	Solid	FRCK-686 Driveway				03/19/2009	17:14	03/26/2009
17 -	---	Solid	FRCK-702 C-2				03/20/2009	08:37	03/26/2009
18 -	---	Solid	FRCK-726 Driveway				03/20/2009	09:11	03/26/2009
19 -	---	Solid	FRCK-711 Driveway				03/21/2009	09:06	03/26/2009
20 -	---	Solid	FRCK-714 Driveway				03/21/2009	09:26	03/26/2009
21 -	---	Solid	FRCK-717 Driveway				03/21/2009	09:56	03/26/2009
22 -	---	Solid	FRCK-719 C-1				03/21/2009	10:12	03/26/2009
22 -	FD	Solid	FRCK-719 C-1				03/21/2009	10:12	03/26/2009
23 -	---	Solid	FRCK-721 Driveway				03/21/2009	17:15	03/26/2009
24 -	---	Solid	FRCK-732 Driveway				03/22/2009	10:47	03/26/2009
25 -	---	Solid	FRCK-739 C-2				03/24/2009	08:25	03/26/2009
26 -	---	Solid	FRCK-742 Driveway				03/24/2009	09:02	03/26/2009
27 -	---	Solid	FRCK-750 Driveway #1				03/24/2009	14:23	03/26/2009
28 -	---	Solid	FRCK-762 Driveway				03/24/2009	17:20	03/26/2009
101 -	---	Water	FRCK-686 Kitchen sink-unpurged				03/11/2009	13:15	03/26/2009
102 -	---	Water	FRCK-686 Kitchen sink-purged				03/11/2009	13:20	03/26/2009
103 -	---	Water	FRCK-686 Hydrant-unpurged				03/11/2009	13:15	03/26/2009
104 -	---	Water	FRCK-686 Hydrant-purged				03/11/2009	13:20	03/26/2009
105 -	---	Water	FRCK-687 Kitchek sink-unpurged				03/11/2009	15:00	03/26/2009
106 -	---	Water	FRCK-687 Kitchen sink-purged				03/11/2009	15:05	03/26/2009
107 -	---	Water	FRCK-687 Spigot-unpurged				03/11/2009	14:45	03/26/2009
108 -	---	Water	FRCK-687 Spigot-purged				03/11/2009	14:50	03/26/2009
109 -	---	Water	FRCK-688 Kitchen sink-unpurged				03/11/2009	15:05	03/26/2009
110 -	---	Water	FRCK-688 Kitchen sink-purged				03/11/2009	15:10	03/26/2009
111 -	---	Water	FRCK-584 Spigot-unpurged				03/12/2009	10:42	03/26/2009
112 -	---	Water	FRCK-584 Spigot-purged				03/12/2009	10:47	03/26/2009

ASR Number: 4312

## Sample Information Summary

04/21/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
113 -	___	Water	FRCK-695 Spigot-unpurged				03/12/2009	10:55	03/26/2009
114 -	___	Water	FRCK-695 Spigot-purged				03/12/2009	11:00	03/26/2009
114 -	FD	Water	FRCK-695 Spigot-purged				03/12/2009	11:00	03/26/2009
115 -	___	Water	FRCK-696 Hydrant-unpurged				03/12/2009	15:30	03/26/2009
116 -	___	Water	FRCK-696 Hydrant-purged				03/12/2009	15:35	03/26/2009
117 -	___	Water	FRCK-697 Kitchen sink-unpurged				03/12/2009	16:00	03/26/2009
118 -	___	Water	FRCK-697 Kitchen sink-purged				03/12/2009	16:05	03/26/2009
119 -	___	Water	FRCK-689 Kitchen sink-unpurged				03/17/2009	12:30	03/26/2009
120 -	___	Water	FRCK-689 Kitchen sink-purged				03/17/2009	12:35	03/26/2009
121 -	___	Water	FRCK-689 Spigot-unpurged				03/17/2009	12:30	03/26/2009
122 -	___	Water	FRCK-689 Spigot-purged				03/17/2009	12:35	03/26/2009
122 -	FD	Water	FRCK-689 Spigot-purged				03/17/2009	12:35	03/26/2009
123 -	___	Water	FRCK-691 Kitchen sink-unpurged				03/17/2009	15:00	03/26/2009
124 -	___	Water	FRCK-691 Kitchen sink-purged				03/17/2009	15:05	03/26/2009
125 -	___	Water	FRCK-691 Spigot-unpurged				03/17/2009	15:00	03/26/2009
126 -	___	Water	FRCK-691 Spigot-purged				03/17/2009	15:05	03/26/2009
126 -	FD	Water	FRCK-691 Spigot-purged				03/17/2009	15:05	03/26/2009
127 -	___	Water	FRCK-692 Hydrant-unpurged				03/17/2009	17:00	03/26/2009
128 -	___	Water	FRCK-692 Hydrant-purged				03/17/2009	17:05	03/26/2009
129 -	___	Water	FRCK-700 Kitchen sink-unpurged				03/17/2009	10:22	03/26/2009
130 -	___	Water	FRCK-700 Kitchen sink-purged				03/17/2009	10:27	03/26/2009
131 -	___	Water	FRCK-700 Spigot-unpurged				03/17/2009	10:22	03/26/2009
132 -	___	Water	FRCK-700 Spigot-purged				03/17/2009	10:27	03/26/2009
132 -	FD	Water	FRCK-700 Spigot-purged				03/17/2009	10:27	03/26/2009
133 -	___	Water	FRCK-701 Kitchen sink-unpurged				03/17/2009	11:02	03/26/2009
134 -	___	Water	FRCK-701 Kitchen sink-purged				03/17/2009	11:07	03/26/2009
135 -	___	Water	FRCK-701 Spigot-unpurged				03/17/2009	11:02	03/26/2009
136 -	___	Water	FRCK-701 Spigot-purged				03/17/2009	11:07	03/26/2009
137 -	___	Water	FRCK-704 Hydrant-unpurged				03/17/2009	14:22	03/26/2009
138 -	___	Water	FRCK-704 Hydrant-purged				03/17/2009	14:27	03/26/2009
139 -	___	Water	FRCK-705 Kitchen sink-unpurged				03/17/2009	15:23	03/26/2009
140 -	___	Water	FRCK-705 Kitchen sink-purged				03/17/2009	15:28	03/26/2009
141 -	___	Water	FRCK-705 Spigot-unpurged				03/17/2009	15:23	03/26/2009
142 -	___	Water	FRCK-705 Spigot-purged				03/17/2009	15:28	03/26/2009
143 -	___	Water	FRCK-706 Spigot-unpurged				03/17/2009	15:56	03/26/2009
144 -	___	Water	FRCK-706 Spigot-purged				03/17/2009	16:01	03/26/2009
145 -	___	Water	FRCK-708 Spigot-unpurged				03/17/2009	17:05	03/26/2009
146 -	___	Water	FRCK-708 Spigot-purged				03/17/2009	17:10	03/26/2009
146 -	FD	Water	FRCK-708 Spigot-purged				03/17/2009	17:10	03/26/2009
147 -	___	Water	FRCK-709 Kitchen sink-unpurged				03/17/2009	16:28	03/26/2009
148 -	___	Water	FRCK-709 Kitchen sink-purged				03/17/2009	16:33	03/26/2009
149 -	___	Water	FRCK-709 Spigot-unpurged				03/17/2009	16:28	03/26/2009
150 -	___	Water	FRCK-709 Spigot-purged				03/17/2009	16:33	03/26/2009
151 -	___	Water	FRCK-703 Spigot-unpurged				03/18/2009	10:57	03/26/2009

ASR Number: 4312

## Sample Information Summary

04/21/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
152 -	___	Water	FRCK-703 Spigot-purged				03/18/2009	11:02	03/26/2009
153 -	___	Water	FRCK-710 Spigot-unpurged				03/18/2009	13:09	03/26/2009
154 -	___	Water	FRCK-710 Spigot-purged				03/18/2009	13:14	03/26/2009
155 -	___	Water	FRCK-711 Spigot-unpurged				03/18/2009	14:11	03/26/2009
156 -	___	Water	FRCK-711 Spigot-purged				03/18/2009	14:16	03/26/2009
157 -	___	Water	FRCK-712 Spigot-unpurged				03/18/2009	15:18	03/26/2009
158 -	___	Water	FRCK-712 Spigot-purged				03/18/2009	15:23	03/26/2009
159 -	___	Water	FRCK-713 Spigot-unpurged				03/18/2009	16:52	03/26/2009
160 -	___	Water	FRCK-713 Spigot-purged				03/18/2009	16:57	03/26/2009
161 -	___	Water	FRCK-714 Spigot-unpurged				03/18/2009	15:45	03/26/2009
162 -	___	Water	FRCK-714 Spigot-purged				03/18/2009	15:50	03/26/2009
163 -	___	Water	FRCK-715 Spigot-unpurged				03/18/2009	16:22	03/26/2009
164 -	___	Water	FRCK-715 Spigot-purged				03/18/2009	16:27	03/26/2009
165 -	___	Water	FRCK-726 Hydrant-unpurged				03/18/2009	11:45	03/26/2009
166 -	___	Water	FRCK-726 Hydrant-purged				03/18/2009	11:50	03/26/2009
166 -	FD	Water	FRCK-726 Hydrant-purged				03/18/2009	11:50	03/26/2009
167 -	___	Water	FRCK-716 Kitchen sink-unpurged				03/19/2009	10:22	03/26/2009
168 -	___	Water	FRCK-716 Kitchen sink-purged				03/19/2009	10:27	03/26/2009
169 -	___	Water	FRCK-717 Spigot-unpurged				03/19/2009	10:56	03/26/2009
170 -	___	Water	FRCK-717 Spigot-purged				03/19/2009	11:01	03/26/2009
171 -	___	Water	FRCK-718 Spigot-unpurged				03/19/2009	11:42	03/26/2009
172 -	___	Water	FRCK-718 Spigot-purged				03/19/2009	11:47	03/26/2009
172 -	FD	Water	FRCK-718 Spigot-purged				03/19/2009	11:47	03/26/2009
173 -	___	Water	FRCK-719 Kitchen sink-unpurged				03/19/2009	12:25	03/26/2009
174 -	___	Water	FRCK-719 Kitchen sink-purged				03/19/2009	12:30	03/26/2009
175 -	___	Water	FRCK-720 Spigot-unpurged				03/19/2009	13:46	03/26/2009
176 -	___	Water	FRCK-720 Spigot-purged				03/19/2009	13:51	03/26/2009
177 -	___	Water	FRCK-721 Spigot-unpurged				03/19/2009	14:26	03/26/2009
178 -	___	Water	FRCK-721 Spigot-purged				03/19/2009	14:31	03/26/2009
179 -	___	Water	FRCK-722 Spigot-unpurged				03/19/2009	14:55	03/26/2009
180 -	___	Water	FRCK-722 Spigot-purged				03/19/2009	15:00	03/26/2009
181 -	___	Water	FRCK-723 Hydrant-unpurged				03/19/2009	15:32	03/26/2009
182 -	___	Water	FRCK-723 Hydrant-purged				03/19/2009	15:37	03/26/2009
183 -	___	Water	FRCK-693 Hydrant-unpurged				03/19/2009	10:40	03/26/2009
184 -	___	Water	FRCK-693 Hydrant-purged				03/19/2009	10:45	03/26/2009
184 -	FD	Water	FRCK-693 Hydrant-purged				03/19/2009	10:45	03/26/2009
185 -	___	Water	FRCK-694 Kitchen sink-unpurged				03/19/2009	11:15	03/26/2009
186 -	___	Water	FRCK-694 Kitchen sink-purged				03/19/2009	11:20	03/26/2009
187 -	___	Water	FRCK-694 Spigot-unpurged				03/19/2009	11:15	03/26/2009
188 -	___	Water	FRCK-694 Spigot-purged				03/19/2009	11:20	03/26/2009
189 -	___	Water	FRCK-727 Kitchen sink-unpurged				03/19/2009	13:45	03/26/2009
190 -	___	Water	FRCK-727 Kitchen sink-purged				03/19/2009	13:50	03/26/2009
191 -	___	Water	FRCK-729 Kitchen sink-unpurged				03/19/2009	15:30	03/26/2009
192 -	___	Water	FRCK-729 Kitchen sink-purged				03/19/2009	15:35	03/26/2009

ASR Number: 4312

## Sample Information Summary

04/21/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
193 -	___	Water	FRCK-729 Hydrant-unpurged				03/19/2009	15:30	03/26/2009
194 -	___	Water	FRCK-729 Hydrant-purged				03/19/2009	15:35	03/26/2009
194 -	FD	Water	FRCK-729 Hydrant-purged				03/19/2009	15:35	03/26/2009
195 -	___	Water	FRCK-730 Hydrant-unpurged				03/19/2009	16:50	03/26/2009
196 -	___	Water	FRCK-730 Hydrant-purged				03/19/2009	16:55	03/26/2009
197 -	___	Water	FRCK-731 Kitchen sink-unpurged				03/20/2009	11:00	03/26/2009
198 -	___	Water	FRCK-731 Kitchen sink-purged				03/20/2009	11:05	03/26/2009
199 -	___	Water	FRCK-724 Spigot-unpurged				03/20/2009	10:32	03/26/2009
200 -	___	Water	FRCK-724 Spigot-purged				03/20/2009	10:37	03/26/2009
201 -	___	Water	FRCK-739 Kitchen sink-unpurged				03/20/2009	11:16	03/26/2009
202 -	___	Water	FRCK-739 Kitchen sink-purged				03/20/2009	11:21	03/26/2009
203 -	___	Water	FRCK-740 Spigot-unpurged				03/20/2009	13:35	03/26/2009
204 -	___	Water	FRCK-740 Spigot-purged				03/20/2009	13:40	03/26/2009
205 -	___	Water	FRCK-741 Spigot-unpurged				03/20/2009	14:47	03/26/2009
206 -	___	Water	FRCK-741 Spigot-purged				03/20/2009	14:52	03/26/2009
207 -	___	Water	FRCK-732 Hydrant-unpurged				03/20/2009	13:45	03/26/2009
208 -	___	Water	FRCK-732 Hydrant-purged				03/20/2009	13:50	03/26/2009
208 -	FD	Water	FRCK-732 Hydrant-purged				03/20/2009	13:50	03/26/2009
209 -	___	Water	FRCK-733 Kitchen sink-unpurged				03/20/2009	15:05	03/26/2009
210 -	___	Water	FRCK-733 Kitchen sink-purged				03/20/2009	15:10	03/26/2009
211 -	___	Water	FRCK-733 Spigot-unpurged				03/20/2009	15:05	03/26/2009
212 -	___	Water	FRCK-733 Spigot-purged				03/20/2009	15:10	03/26/2009
212 -	FD	Water	FRCK-733 Spigot-purged				03/20/2009	15:10	03/26/2009
213 -	___	Water	FRCK-734 Kitchen sink-unpurged				03/20/2009	16:15	03/26/2009
214 -	___	Water	FRCK-734 Kitchen sink-purged				03/20/2009	16:20	03/26/2009
215 -	___	Water	FRCK-734 Hydrant-unpurged				03/20/2009	16:15	03/26/2009
216 -	___	Water	FRCK-734 Hydrant-purged				03/20/2009	16:20	03/26/2009
217 -	___	Water	FRCK-742 Kitchen sink-unpurged				03/21/2009	11:56	03/26/2009
218 -	___	Water	FRCK-742 Kitchen sink-purged				03/21/2009	12:01	03/26/2009
219 -	___	Water	FRCK-742 Hydrant-unpurged				03/21/2009	11:56	03/26/2009
220 -	___	Water	FRCK-742 Hydrant-purged				03/21/2009	12:01	03/26/2009
220 -	FD	Water	FRCK-742 Hydrant-purged				03/21/2009	12:01	03/26/2009
221 -	___	Water	FRCK-743 Kitchen sink-unpurged				03/21/2009	13:36	03/26/2009
222 -	___	Water	FRCK-743 Kitchen sink-purged				03/21/2009	13:41	03/26/2009
223 -	___	Water	FRCK-744 Kitchen sink-unpurged				03/21/2009	14:36	03/26/2009
224 -	___	Water	FRCK-744 Kitchen sink-purged				03/21/2009	14:41	03/26/2009
225 -	___	Water	FRCK-745 Spigot-unpurged				03/21/2009	15:20	03/26/2009
226 -	___	Water	FRCK-745 Spigot-purged				03/21/2009	15:25	03/26/2009
227 -	___	Water	FRCK-746 Spigot-unpurged				03/21/2009	16:08	03/26/2009
228 -	___	Water	FRCK-746 Spigot-purged				03/21/2009	16:13	03/26/2009
229 -	___	Water	FRCK-735 Spigot-unpurged				03/21/2009	12:20	03/26/2009
230 -	___	Water	FRCK-735 Spigot-purged				03/21/2009	12:25	03/26/2009
230 -	FD	Water	FRCK-735 Spigot-purged				03/21/2009	12:25	03/26/2009
231 -	___	Water	FRCK-736 Spigot-unpurged				03/21/2009	14:40	03/26/2009

ASR Number: 4312

## Sample Information Summary

04/21/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
232 -	___	Water	FRCK-736 Spigot-purged				03/21/2009	14:45	03/26/2009
232 -	FD	Water	FRCK-736 Spigot-purged				03/21/2009	14:45	03/26/2009
233 -	___	Water	FRCK-738 Kitchen sink-unpurged				03/21/2009	16:00	03/26/2009
234 -	___	Water	FRCK-738 Kitchen sink-purged				03/21/2009	16:05	03/26/2009
235 -	___	Water	FRCK-737 Spigot-unpurged				03/21/2009	16:35	03/26/2009
236 -	___	Water	FRCK-737 Spigot-purged				03/21/2009	16:40	03/26/2009
237 -	___	Water	FRCK-747 Hydrant-unpurged				03/22/2009	11:49	03/26/2009
238 -	___	Water	FRCK-747 Hydrant-purged				03/22/2009	11:54	03/26/2009
238 -	FD	Water	FRCK-747 Hydrant-purged				03/22/2009	11:54	03/26/2009
239 -	___	Water	FRCK-748 Spigot-unpurged				03/22/2009	12:34	03/26/2009
240 -	___	Water	FRCK-748 Spigot-purged				03/22/2009	12:39	03/26/2009
241 -	___	Water	FRCK-760 Kitchen sink-unpurged				03/22/2009	12:40	03/26/2009
242 -	___	Water	FRCK-760 Kitchen sink-purged				03/22/2009	12:45	03/26/2009
242 -	FD	Water	FRCK-760 Kitchen sink-purged				03/22/2009	12:45	03/26/2009
243 -	___	Water	FRCK-761 Kitchen sink-unpurged				03/23/2009	10:50	03/26/2009
244 -	___	Water	FRCK-761 Kitchen sink-purged				03/23/2009	10:55	03/26/2009
245 -	___	Water	FRCK-761 Hydrant-unpurged				03/23/2009	10:50	03/26/2009
246 -	___	Water	FRCK-761 Hydrant-purged				03/23/2009	10:55	03/26/2009
247 -	___	Water	FRCK-763 Spigot-unpurged				03/23/2009	12:00	03/26/2009
248 -	___	Water	FRCK-763 Spigot-purged				03/23/2009	12:05	03/26/2009
249 -	___	Water	FRCK-725 Hydrant-unpurged				03/23/2009	10:08	03/26/2009
250 -	___	Water	FRCK-725 Hydrant-purged				03/23/2009	10:13	03/26/2009
250 -	FD	Water	FRCK-725 Hydrant-purged				03/23/2009	10:13	03/26/2009
251 -	___	Water	FRCK-749 Hydrant-unpurged				03/23/2009	10:36	03/26/2009
252 -	___	Water	FRCK-749 Hydrant-purged				03/23/2009	10:41	03/26/2009
253 -	___	Water	FRCK-750 Kitchen sink-unpurged				03/23/2009	11:22	03/26/2009
254 -	___	Water	FRCK-750 Kitchen sink-purged				03/23/2009	11:27	03/26/2009
255 -	___	Water	FRCK-751 Trailer A Kitchen sink-unpurged				03/23/2009	11:46	03/26/2009
256 -	___	Water	FRCK-751 Trailer A Kitchen sink-purged				03/23/2009	11:51	03/26/2009
257 -	___	Water	FRCK-751 Trailer B Kitchen sink-unpurged				03/23/2009	11:57	03/26/2009
258 -	___	Water	FRCK-751 Trailer B Kitchen sink-purged				03/23/2009	12:02	03/26/2009
259 -	___	Water	FRCK-762 Spigot-unpurged				03/23/2009	09:30	03/26/2009
260 -	___	Water	FRCK-762 Spigot-purged				03/23/2009	09:35	03/26/2009
260 -	FD	Water	FRCK-762 Spigot-purged				03/23/2009	09:35	03/26/2009
261 -	___	Water	FRCK-753 Spigot-unpurged				03/23/2009	15:10	03/26/2009
262 -	___	Water	FRCK-753 Spigot-purged				03/23/2009	15:15	03/26/2009



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Analysis      Comments About Results For This Analysis

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## 1    Metals in Solids by ICP

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples:	1-__	2-__	2-FD	3-__	4-__	5-__	6-__
	6-FD	7-__	8-__	9-__	9-FD	10-__	11-__
	12-__	13-__	14-__	15-__	16-__	17-__	18-__
	19-__	20-__	21-__	22-__	22-FD	23-__	24-__
	25-__	26-__	27-__	28-__			

## Comments:

Cadmium was J-coded in samples -18 through -28. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery/post digestion spike recovery (19%/41% vs 75-125%) of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

Lead was J-coded in samples -18 through -28. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to poor precision (47% vs 35%) obtained for this analyte in the laboratory duplicate sample.

Barium and lead in samples -18 through -28 were J-coded. Although the analytes in question have been positively identified in these samples, the quantitations are an estimate (J-coded) due to the serial dilution percent differences (Ba: 14% and Pb: 11%) being above the control limits (10%). The actual concentrations for barium and lead may be higher than the reported values.

## 1    Metals in Water by ICP/MS

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples:	101-__	102-__	103-__	104-__	105-__	106-__	107-__
	108-__	109-__	110-__	111-__	112-__	113-__	114-__
	114-FD	115-__	116-__	117-__	118-__	119-__	120-__
	121-__	122-__	122-FD	123-__	124-__	125-__	126-__
	126-FD	127-__	128-__	129-__	130-__	131-__	132-__
	132-FD	133-__	134-__	135-__	136-__	137-__	138-__
	139-__	140-__	141-__	142-__	143-__	144-__	145-__
	146-__	146-FD	147-__	148-__	149-__	150-__	151-__
	152-__	153-__	154-__	155-__	156-__	157-__	158-__
	159-__	160-__	161-__	162-__	163-__	164-__	165-__
	166-__	166-FD	167-__	168-__	169-__	170-__	171-__
	172-__	172-FD	173-__	174-__	175-__	176-__	177-__
	178-__	179-__	180-__	181-__	182-__	183-__	184-__
	184-FD	185-__	186-__	187-__	188-__	189-__	190-__

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Analysis	Comments About Results For This Analysis
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Samples:	191-__	192-__	193-__	194-__	194-FD	195-__	196-__
	197-__	198-__	199-__	200-__	201-__	202-__	203-__
	204-__	205-__	206-__	207-__	208-__	208-FD	209-__
	210-__	211-__	212-__	212-FD	213-__	214-__	215-__
	216-__	217-__	218-__	219-__	220-__	220-FD	221-__
	222-__	223-__	224-__	225-__	226-__	227-__	228-__
	229-__	230-__	230-FD	231-__	232-__	232-FD	233-__
	234-__	235-__	236-__	237-__	238-__	238-FD	239-__
	240-__	241-__	242-__	242-FD	243-__	244-__	245-__
	246-__	247-__	248-__	249-__	250-__	250-FD	251-__
	252-__	253-__	254-__	255-__	256-__	257-__	258-__
	259-__	260-__	260-FD	261-__	262-__		

## Comments:

Slight lead contamination was found in the preparation and calibration blanks. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: lead in -115, -116, -119, -125, -129, -130, -132, -160, -169, -177, -185, -191, -197, -199, -213 through -215, -217, and -221.

Barium in samples -101 through -105, -107, -108, and -111 through -119 was J-coded and barium in samples -106, -109, and -110 was UJ-coded. Although the analyte in question has been positively identified in these samples, the quantitations are an estimate (J-coded) due to the serial dilution percent difference (Ba: 13%) being above the control limits (10%). The actual concentrations for barium may be higher than the reported values.

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	1-__	2-__	2-FD	3-__
1 Metals in Solids by ICP					
Barium	mg/kg	3830	280	346	3730
Cadmium	mg/kg	5.24	9.95	7.00	8.71
Lead	mg/kg	683	1280	995	1070

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	4-__	5-__	6-__	6-FD
1 Metals in Solids by ICP					
Barium	mg/kg	744	293	1400	1320
Cadmium	mg/kg	0.843	1.80	6.51	5.80
Lead	mg/kg	567	329	682	579

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	7-__	8-__	9-__	9-FD
1 Metals in Solids by ICP					
Barium	mg/kg	447	1410	225	241
Cadmium	mg/kg	2.47	4.71	7.25	10.4
Lead	mg/kg	364	1000	393	292

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	10-__	11-__	12-__	13-__
1 Metals in Solids by ICP					
Barium	mg/kg	1550	860	6020	4650
Cadmium	mg/kg	6.04	13.3	10.5	26.3
Lead	mg/kg	1810	1370	658	3370

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	14-__	15-__	16-__	17-__
1 Metals in Solids by ICP					
Barium	mg/kg	860	5730	866	456
Cadmium	mg/kg	0.697	5.60	8.70	0.520 U
Lead	mg/kg	198	781	926	419

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	18-__	19-__	20-__	21-__
1 Metals in Solids by ICP					
Barium	mg/kg	8570 J	2660 J	3410 J	4130 J
Cadmium	mg/kg	5.31 J	6.55 J	33.0 J	3.68 J
Lead	mg/kg	383 J	1190 J	6150 J	1440 J



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	22-__	22-FD	23-__	24-__
1 Metals in Solids by ICP					
Barium	mg/kg	1630 J	1760 J	5550 J	4760 J
Cadmium	mg/kg	3.06 J	3.08 J	2.15 J	8.00 J
Lead	mg/kg	391 J	355 J	446 J	958 J

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	25-__	26-__	27-__	28-__
1 Metals in Solids by ICP					
Barium	mg/kg	834 J	103 J	3680 J	5340 J
Cadmium	mg/kg	2.03 J	26.6 J	1.76 J	10.2 J
Lead	mg/kg	337 J	6800 J	2280 J	1330 J

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	101-__	102-__	103-__	104-__
1 Metals in Water by ICP/MS					
Barium	ug/L	13.9 J	14.1 J	55.8 J	59.8 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	105-__	106-__	107-__	108-__
1 Metals in Water by ICP/MS					
Barium	ug/L	25.7 J	10.0 UJ	393 J	390 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	109-__	110-__	111-__	112-__
1 Metals in Water by ICP/MS					
Barium	ug/L	10.0 UJ	10.0 UJ	30.8 J	28.8 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	72.8	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	113-__	114-__	114-FD	115-__
1 Metals in Water by ICP/MS					
Barium	ug/L	58.1 J	58.9 J	58.7 J	385 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.84 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	116-__	117-__	118-__	119-__
1 Metals in Water by ICP/MS					
Barium	ug/L	388 J	393 J	383 J	71.6 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.14 U	1.00 U	1.00 U	1.13 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	120-__	121-__	122-__	122-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	67.7	70.4	67.0	68.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	123-__	124-__	125-__	126-__
1 Metals in Water by ICP/MS					
Barium	ug/L	67.6	68.0	71.2	68.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.99 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	126-FD	127-__	128-__	129-__
1 Metals in Water by ICP/MS					
Barium	ug/L	67.6	44.0	43.1	15.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	2.58 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	130-__	131-__	132-__	132-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	15.1	15.4	15.4	15.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.01 U	26.1	1.60 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	133-__	134-__	135-__	136-__
1 Metals in Water by ICP/MS					
Barium	ug/L	60.4	66.1	65.4	65.8
Cadmium	ug/L	2.18	1.00 U	1.00 U	1.00 U
Lead	ug/L	5.55	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	137-__	138-__	139-__	140-__
1 Metals in Water by ICP/MS					
Barium	ug/L	27.6	30.5	10.0 U	10.0 U
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.26	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	141-__	142-__	143-__	144-__
1 Metals in Water by ICP/MS					
Barium	ug/L	10.0 U	10.0 U	79.3	74.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	73.1	1.00 U	1.24	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	145-__	146-__	146-FD	147-__
1 Metals in Water by ICP/MS					
Barium	ug/L	55.0	54.1	52.9	73.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.21	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	148-__	149-__	150-__	151-__
1 Metals in Water by ICP/MS					
Barium	ug/L	74.0	74.0	75.1	21.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	7.73
Lead	ug/L	1.00 U	1.00 U	1.00 U	353



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	152-__	153-__	154-__	155-__
1 Metals in Water by ICP/MS					
Barium	ug/L	15.6	78.3	77.2	78.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	11.7	1.00 U	6.34

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	156-__	157-__	158-__	159-__
1 Metals in Water by ICP/MS					
Barium	ug/L	78.4	91.8	91.2	80.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	5.64	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	160-__	161-__	162-__	163-__
1 Metals in Water by ICP/MS					
Barium	ug/L	81.8	54.2	50.1	96.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	2.34 U	5.61	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	164-__	165-__	166-__	166-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	95.4	37.4	37.5	36.5
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	167-__	168-__	169-__	170-__
1 Metals in Water by ICP/MS					
Barium	ug/L	59.3	58.8	52.9	51.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	2.07 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	171-__	172-__	172-FD	173-__
1 Metals in Water by ICP/MS					
Barium	ug/L	141	147	143	182
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	5.55	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	174-__	175-__	176-__	177-__
1 Metals in Water by ICP/MS					
Barium	ug/L	184	49.3	50.7	52.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.67	1.00 U	1.55 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	178-__	179-__	180-__	181-__
1 Metals in Water by ICP/MS					
Barium	ug/L	54.1	59.4	60.5	55.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	11.5



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	182-__	183-__	184-__	184-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	70.0	54.6	60.1	59.5
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	185-__	186-__	187-__	188-__
1 Metals in Water by ICP/MS					
Barium	ug/L	68.7	69.8	70.5	67.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.54 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	189-__	190-__	191-__	192-__
1 Metals in Water by ICP/MS					
Barium	ug/L	47.5	48.4	59.4	57.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.36 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	193-__	194-__	194-FD	195-__
1 Metals in Water by ICP/MS					
Barium	ug/L	73.1	58.5	60.8	57.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	11.3	1.00 U	1.00 U	1.50

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	196-__	197-__	198-__	199-__
1 Metals in Water by ICP/MS					
Barium	ug/L	58.0	57.2	56.9	71.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.22 U	1.00 U	1.08 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	200-__	201-__	202-__	203-__
1 Metals in Water by ICP/MS					
Barium	ug/L	71.5	46.8	45.8	47.4
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	9.49

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	204-__	205-__	206-__	207-__
1 Metals in Water by ICP/MS					
Barium	ug/L	47.6	103	105	51.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	2.18	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	208-__	208-FD	209-__	210-__
1 Metals in Water by ICP/MS					
Barium	ug/L	52.6	52.3	44.1	46.1
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	211-__	212-__	212-FD	213-__
1 Metals in Water by ICP/MS					
Barium	ug/L	44.0	43.7	44.5	40.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.05 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	214-__	215-__	216-__	217-__
1 Metals in Water by ICP/MS					
Barium	ug/L	39.0	40.1	40.4	10.0 U
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.11 U	1.08 U	2.01	1.31 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	218-__	219-__	220-__	220-FD
1 Metals in Water by ICP/MS					
Barium	ug/L	10.0 U	42.7	44.4	44.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	2.23	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	221-__	222-__	223-__	224-__
1 Metals in Water by ICP/MS					
Barium	ug/L	92.7	92.0	61.8	60.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.38 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	225-__	226-__	227-__	228-__
1 Metals in Water by ICP/MS					
Barium	ug/L	140	134	60.1	60.7
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	2.15	1.00 U	3.11	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	229-__	230-__	230-FD	231-__
1 Metals in Water by ICP/MS					
Barium	ug/L	31.6	31.9	32.2	81.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	232-__	232-FD	233-__	234-__
1 Metals in Water by ICP/MS					
Barium	ug/L	71.0	72.4	41.9	42.2
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.13	1.28	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	235-__	236-__	237-__	238-__
1 Metals in Water by ICP/MS					
Barium	ug/L	50.9	50.0	38.3	37.9
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	2.52	1.00 U	9.87	1.00 U



ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	238-FD	239-__	240-__	241-__
1 Metals in Water by ICP/MS					
Barium	ug/L	38.8	31.8	31.0	33.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	6.30	1.10	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	242-__	242-FD	243-__	244-__
1 Metals in Water by ICP/MS					
Barium	ug/L	32.7	32.5	52.5	51.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	245-__	246-__	247-__	248-__
1 Metals in Water by ICP/MS					
Barium	ug/L	52.1	52.0	55.8	56.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.27	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	249-__	250-__	250-FD	251-__
1 Metals in Water by ICP/MS					
Barium	ug/L	59.1	58.4	59.9	45.8
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	7.78	1.00 U	1.00 U	1.62

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	252-__	253-__	254-__	255-__
1 Metals in Water by ICP/MS					
Barium	ug/L	46.2	55.5	55.6	53.0
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	256-__	257-__	258-__	259-__
1 Metals in Water by ICP/MS					
Barium	ug/L	55.6	57.3	56.3	56.6
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.65

ASR Number: 4312  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/21/2009

Analysis/ Analyte	Units	260-__	260-FD	261-__	262-__
1 Metals in Water by ICP/MS					
Barium	ug/L	55.9	57.2	56.2	54.3
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.56	1.61	5.88	1.00 U

United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4312

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_



United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 04/24/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4355

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford's mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

mg/kg = Milligrams per Kilogram

FD = Field Duplicate

ug/L = Micrograms per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an  
estimate.

U = The analyte was not detected at or above the reporting limit.

ASR Number: 4355

## Sample Information Summary

04/24/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ___		Solid	FRCK-763, Driveway		03/25/2009	08:18			03/31/2009
2 - ___		Solid	FRCK-764, Driveway		03/25/2009	09:31			03/31/2009
101 - ___		Water	FRCK-754, Kitchen sink (unpurged)		03/23/2009	15:52			03/31/2009
102 - ___		Water	FRCK-754, Kitchen sink (purged)		03/23/2009	15:57			03/31/2009
103 - ___		Water	FRCK-764, Spigot (unpurged)		03/23/2009	14:45			03/31/2009
104 - ___		Water	FRCK-764, Spigot (purged)		03/23/2009	14:50			03/31/2009
105 - ___		Water	FRCK-765, Kitchen sink (unpurged)		03/23/2009	15:40			03/31/2009
106 - ___		Water	FRCK-765, Spigot (purged)		03/23/2009	15:45			03/31/2009
107 - ___		Water	FRCK-765, Spigot (unpurged)		03/23/2009	15:40			03/31/2009
108 - ___		Water	FRCK-765, Kitchen sink (purged)		03/23/2009	15:45			03/31/2009
109 - ___		Water	FRCK-755, Spigot (unpurged)		03/24/2009	09:52			03/31/2009
110 - ___		Water	FRCK-755, Spigot (purged)		03/24/2009	09:57			03/31/2009
111 - ___		Water	FRCK-756, Spigot (unpurged)		03/24/2009	10:55			03/31/2009
112 - ___		Water	FRCK-756, Spigot (purged)		03/24/2009	11:00			03/31/2009
113 - ___		Water	FRCK-758, Hydrant (unpurged)		03/24/2009	10:20			03/31/2009
114 - ___		Water	FRCK-758, Hydrant (purged)		03/24/2009	10:25			03/31/2009
114 - FD		Water	FRCK-758, Hydrant (purged)		03/24/2009	10:25			03/31/2009
115 - ___		Water	FRCK-757, Kitchen sink (unpurged)		03/24/2009	11:15			03/31/2009
116 - ___		Water	FRCK-757, Kitchen sink (purged)		03/24/2009	11:20			03/31/2009
117 - ___		Water	FRCK-757, Hydrant (unpurged)		03/24/2009	11:15			03/31/2009
118 - ___		Water	FRCK-757, Hydrant (purged)		03/24/2009	11:20			03/31/2009

---

**Analysis      Comments About Results For This Analysis**

---

**1    Metals in Solids by ICP**

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples: 1-\_\_      2-\_\_

Comments:

Lead in samples -1 and -2 were J-coded. Although the analytes in question have been positively identified in these samples, the quantitations are an estimate (J-coded) due to the serial dilution percent differences (24%) being above the control limits (10%). The actual concentrations for lead may be higher than the reported values.

**1    Metals in Water by ICP/MS**

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples: 101-\_\_    102-\_\_    103-\_\_    104-\_\_    105-\_\_    106-\_\_    107-\_\_  
             108-\_\_    109-\_\_    110-\_\_    111-\_\_    112-\_\_    113-\_\_    114-\_\_  
             114-FD    115-\_\_    116-\_\_    117-\_\_    118-\_\_

Comments:

Slight lead contamination was found in the preparation and/or calibration blanks. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: lead in -112.

Barium in samples -101 through -118 was J-coded. Although the analyte in question has been positively identified in these samples, the quantitations are an estimate (J-coded) due to the serial dilution percent difference (Ba: 22%) being above the control limits (10%). The actual concentrations for barium may be higher than the reported values.

ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	1-__	2-__	101-__	102-__
1 Metals in Solids by ICP					
Barium	mg/kg	2620	757		
Cadmium	mg/kg	2.24	3.08		
Lead	mg/kg	406 J	670 J		
1 Metals in Water by ICP/MS					
Barium	ug/L			55.0 J	56.3 J
Cadmium	ug/L			1.00 U	1.00 U
Lead	ug/L			1.00 U	1.00 U

ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	103-__	104-__	105-__	106-__
1 Metals in Water by ICP/MS					
Barium	ug/L	33.5 J	32.2 J	33.6 J	34.4 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	8.83	1.00 U	1.00 U	1.00 U

ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	107-__	108-__	109-__	110-__
1 Metals in Water by ICP/MS					
Barium	ug/L	33.4 J	35.1 J	37.8 J	35.0 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	72.7	1.00 U

ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	111-__	112-__	113-__	114-__
1 Metals in Water by ICP/MS					
Barium	ug/L	50.1 J	50.1 J	34.2 J	34.8 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	6.95	1.15 U	1.00 U	1.00 U



ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	114-FD	115-__	116-__	117-__
1 Metals in Water by ICP/MS					
Barium	ug/L	34.2 J	38.7 J	37.8 J	39.0 J
Cadmium	ug/L	1.00 U	1.00 U	1.00 U	1.00 U
Lead	ug/L	1.00 U	1.00 U	1.00 U	1.00 U

ASR Number: 4355  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/24/2009

Analysis/ Analyte	Units	118-__
1 Metals in Water by ICP/MS		
Barium	ug/L	39.1 J
Cadmium	ug/L	1.00 U
Lead	ug/L	1.00 U

United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4355

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_

United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101

Date: 04/30/2009

Subject: Transmittal of Sample Analysis Results for ASR #: 4404

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Michael F. Davis, Chief  
Laboratory Branch, Environmental Services Division

To: Jeff Weatherford  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jeff Weatherford

Org: SUPR/ER&amp;R

Phone: 636-326-4720

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Location: Caledonia

State: Missouri

Program: Superfund

Site Name: WASHINGTON COUNTY LEAD-FURNACE CREEK -  
SITEWIDESite ID: A7K2 Site OU: 00  
GPRA PRC: 302DC6C

Purpose: Site Characterization

Jeff Weatherford's mailing address: 212 Little Bussen Drive, Fenton, MO. 63026.

## Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of  
sample for quality control purpose.Units: Specific units in which results are  
reported.

\_\_\_ = Field Sample

ug/L = Micrograms per Liter

FD = Field Duplicate

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information  
on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

ASR Number: 4404

## Sample Information Summary

04/30/2009

Project ID: JWA7K200

Project Desc: Washington County Lead District - Furnace Creek site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ___		Water	FRCK-770 (Hydrant, unpurged)		04/15/2009	11:50			04/20/2009
2 - ___		Water	FRCK-770 (Hydrant, purged)		04/15/2009	11:55			04/20/2009
2 - FD		Water	FRCK-770 (Hydrant, purged)/Field Duplicate of sample 2		04/15/2009	11:55			04/20/2009

ASR Number: 4404

RLAB Approved Analysis Comments

04/30/2009

Project ID: JWA7K200

Project Desc Washington County Lead District - Furnace Creek site

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Analysis	Comments About Results For This Analysis
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1 Metals in Water by ICP/MS

Lab: Region 7 EPA Laboratory - Kansas City, Ks.

Method: EPA Region 7 RLAB Method 3123.1B

Samples: 1-\_\_ 2-\_\_ 2-FD

Comments:

(N/A)

ASR Number: 4404  
Project ID: JWA7K200

RLAB Approved Sample Analysis Results  
Project Desc: Washington County Lead District - Furnace Creek site

04/30/2009

Analysis/ Analyte	Units	1-__	2-__	2-FD
1 Metals in Water by ICP/MS				
Barium	ug/L	7.9	7.9	8.5
Cadmium	ug/L	1.0 U	1.0 U	1.0 U
Lead	ug/L	8.7	4.9	4.5



United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101

Date: \_\_/\_\_/\_\_\_\_

Subject: Data Disposition/Sample Release for ASR #: 4404

Project ID: JWA7K200

Project Description: Washington County Lead District - Furnace Creek site

From: Jeff Weatherford  
SUPR/ER&R

To: Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

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- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_