

RECEIVED MAY 03, 2010

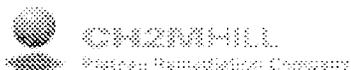
**FINAL REPORT FOR THE SAMPLES RECEIVED IN
MARCH, 2010 FOR SAF W10-002**

**Document No.: 20100243
SDG: 222S20100243**

Carolina S. Menjivar
Advanced Technologies and Laboratories International, Inc.

Date Published
May 3, 2010

Prepared for:



Prepared by:



RECEIVED
AUG 10 2010
EDMC

Mike Neely
CH2M Hill Plateau Remediation Co.
P.O. Box 850
Richland, WA 99352
509-373-0654

ATL, Inc.
P.O. Box 250
Richland, WA 99352-0250
509-372-2742

C. S. Menjivar 5/3/10

C. S. Menjivar, Project Manager

222-S LABORATORY**FINAL REPORT FOR THE SAMPLES RECEIVED IN MARCH, 2010
FOR SAF W10-002**

1.0 INTRODUCTION

This final report presents the results for one water sample taken on March 8, 2010 and five water samples taken on March 11, 2010. The samples were analyzed in accordance with Sampling Authorization Form W10-002; *RCRA February 2010* (SAF), and ATL-MP-1011; *ATL Quality Assurance Project Plan for 222-S Laboratory* (QAPP). The following attachments are included in this report:

Attachment 1	Data Summary Report
Attachment 2	Holding Time Report
Attachment 3	Receipt Paperwork
Attachment 4	Issue Resolution Forms

2.0 SAMPLE RECEIPT AND HANDLING

Samples were received on March 9 and March 11, 2010 with adequate paperwork. The measured temperature of the outside of the sample container was 8 °C for samples received on March 9, 2010, and 11 °C for samples received on March 11, 2010. This was reported to the client on the laboratory's sample receipt check list (see Attachment 3).

3.0 ANALYTICAL RESULTS SUMMARY

The Data Summary Report (Attachment 1) presents the final analytical result. The "Det Limit" column in Attachment 1 contains the method detection limit (MDL). In order to demonstrate batch precision and accuracy, Attachment 1 also contains the matrix spikes and duplicates associated with the analysis of the samples in this SDG, even if they were from a different SDG.

In Attachment 1, the column labeled "A#" indicates the aliquot class or the method used for sample preparation before analysis. For analysis without a preparation step, this column is left blank.

The "Qual Flags" column in Attachment 1 contains data qualifier flags that are defined as follows:

- "U" indicates that the reported result is less than the calculated method detection limit.
- "B" indicates that the reported result is greater than the method detection limit (MDL), but less than the quantitation limit.
- Manual calculations using rounded results from the Data Summary Report or result calculation forms may differ slightly from the actual results derived from the raw data.

3.1 ANALYSES

3.1.1 Anions by Ion Chromatography

The ion chromatography analysis for anions was performed by preparing several dilutions of the samples. All requirements in the SAF and QAPP were met, except the holding time requirement. Detections limits were achieved for all analytes; however, due to an oversight of our analytical staff, the analysis time lapse exceeded the holding time requirements (see Attachments 2 and 4).

4.0 PROCEDURES

Table 1 lists the analytical procedures used for analysis of these samples.

Table 1. Analytical Procedures.

Analysis	Preparation Method	Analysis Procedure
Anions by Ion Chromatography	NA	SW846-9056A

5.0 REFERENCES

ATL-MP-1011, 2009, *ATL Quality Assurance Project Plan for 222-S Laboratory*, Rev. 9, Applied Technologies and Laboratories International, Inc., Richland, Washington.

Sampling Authorization Form W10-002; *RCRA February 2010*; CH2M Hill, Plateau Remediation Company, Richland, Washington.

Attachment 1

DATA SUMMARY REPORT

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23V67
 Customer Sample ID: B23V67

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000218			16984-48-8	Fluoride	ug/mL	94.7	<6.16E-03	0.591	n/a	n/a	n/a	n/a	0.0370	n/a	n/a
S10M000218			16887-00-6	Chloride	ug/mL	96.7	<3.10E-03	27.6	n/a	n/a	n/a	n/a	0.158	n/a	n/a
S10M000218			14797-65-0	Nitrite	ug/mL	94.0	<0.0400	<0.240	n/a	n/a	n/a	n/a	0.240	n/a	n/a U
S10M000218			24959-67-9	Bromide	ug/mL	95.7	<0.0237	<0.142	n/a	n/a	n/a	n/a	0.142	n/a	n/a U
S10M000218			14797-55-8	Nitrate	ug/mL	96.3	<0.0162	193	n/a	n/a	n/a	n/a	0.826	n/a	n/a
S10M000218			14265-44-2	Phosphate	ug/mL	97.0	<0.0381	<0.229	n/a	n/a	n/a	n/a	0.229	n/a	n/a U
S10M000218			14808-79-8	Sulfate	ug/mL	96.6	<0.0219	103	n/a	n/a	n/a	n/a	1.12	n/a	n/a

U - < Det Limit

B - Estimated

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23X10
 Customer Sample ID: B23X10

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000129			16984-48-8	Fluoride	ug/mL	94.6	<6.16E-03	0.636	n/a	n/a	n/a	n/a	0.0678	n/a	B
S10M000129			16887-00-6	Chloride	ug/mL	99.6	<3.10E-03	36.5	n/a	n/a	n/a	n/a	0.0341	n/a	
S10M000129			14797-65-0	Nitrite	ug/mL	95.4	<0.0400	<0.0400	<0.0400	n/a	n/a	116	0.0400	n/a	U
S10M000129			24959-67-9	Bromide	ug/mL	99.2	<0.0237	0.210	0.211	0.211	0.394	95.6	0.0237	n/a	B
S10M000129			14797-55-8	Nitrate	ug/mL	91.9	<0.0162	37.2	n/a	n/a	n/a	n/a	0.178	n/a	
S10M000129			14265-44-2	Phosphate	ug/mL	95.1	<0.0381	<0.419	n/a	n/a	n/a	n/a	0.419	n/a	U
S10M000129			14808-79-8	Sulfate	ug/mL	91.7	<0.0219	108	n/a	n/a	n/a	n/a	2.21	n/a	

B - Estimated

U - < Det Limit

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23X40
 Customer Sample ID: B23X40

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000216			16984-48-8	Fluoride	ug/mL	94.7	<6.16E-03	0.273	n/a	n/a	n/a	n/a	0.0370	n/a	B
S10M000216			16887-00-6	Chloride	ug/mL	96.7	<3.10E-03	19.0	n/a	n/a	n/a	n/a	0.0186	n/a	
S10M000216			14797-65-0	Nitrite	ug/mL	94.0	<0.0400	<0.240	n/a	n/a	n/a	n/a	0.240	n/a	U
S10M000216			24959-67-9	Bromide	ug/mL	95.7	<0.0237	<0.142	n/a	n/a	n/a	n/a	0.142	n/a	U
S10M000216			14797-55-8	Nitrate	ug/mL	96.3	<0.0162	145	n/a	n/a	n/a	n/a	0.0972	n/a	
S10M000216			14265-44-2	Phosphate	ug/mL	97.0	<0.0381	<0.229	n/a	n/a	n/a	n/a	0.229	n/a	U
S10M000216			14808-79-8	Sulfate	ug/mL	96.6	<0.0219	98.0	n/a	n/a	n/a	n/a	0.131	n/a	

B - Estimated

U - < Det Limit

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23X42
 Customer Sample ID: B23X42

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000219			16984-48-8	Fluoride	ug/mL	94.7	<6.16E-03	0.280	n/a	n/a	n/a	n/a	0.0370	n/a	
S10M000219			16887-00-6	Chloride	ug/mL	96.7	<3.10E-03	56.1	n/a	n/a	n/a	n/a	0.158	n/a	
S10M000219			14797-65-0	Nitrite	ug/mL	94.0	<0.0400	<0.240	n/a	n/a	n/a	n/a	0.240	n/a	U
S10M000219			24959-67-9	Bromide	ug/mL	95.7	<0.0237	<0.142	n/a	n/a	n/a	n/a	0.142	n/a	U
S10M000219			14797-55-8	Nitrate	ug/mL	96.3	<0.0162	883	n/a	n/a	n/a	n/a	0.826	n/a	
S10M000219			14265-44-2	Phosphate	ug/mL	97.0	<0.0381	<0.229	n/a	n/a	n/a	n/a	0.229	n/a	U
S10M000219			14808-79-8	Sulfate	ug/mL	96.6	<0.0219	273	n/a	n/a	n/a	n/a	1.12	n/a	

U - < Det Limit

B - Estimated

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23X44
 Customer Sample ID: B23X44

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000220			16984-48-8	Fluoride	ug/mL	94.7	<6.16E-03	0.290	n/a	n/a	n/a	n/a	0.0370	n/a	n/a
S10M000220			16887-00-6	Chloride	ug/mL	96.7	<3.10E-03	24.3	n/a	n/a	n/a	n/a	0.0186	n/a	n/a
S10M000220			14797-65-0	Nitrite	ug/mL	94.0	<0.0400	2.65	n/a	n/a	n/a	n/a	0.240	n/a	n/a
S10M000220			24959-67-9	Bromide	ug/mL	95.7	<0.0237	<0.142	n/a	n/a	n/a	n/a	0.142	n/a	U
S10M000220			14797-55-8	Nitrate	ug/mL	96.3	<0.0162	231	n/a	n/a	n/a	n/a	0.826	n/a	n/a
S10M000220			14265-44-2	Phosphate	ug/mL	97.0	<0.0381	<0.229	n/a	n/a	n/a	n/a	0.229	n/a	U
S10M000220			14808-79-8	Sulfate	ug/mL	96.6	<0.0219	110	n/a	n/a	n/a	n/a	1.12	n/a	n/a

B - Estimated
 U - < Det Limit

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100243
 Customer Group or SDG Number: 222S20100243
 Customer Sample ID: B23X93
 Customer Sample ID: B23X93

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000217			16984-48-8	Fluoride	ug/mL	94.7	<6.16E-03	0.251	n/a	n/a	n/a	n/a	0.0370	n/a	n/a
S10M000217			16887-00-6	Chloride	ug/mL	96.7	<3.10E-03	65.6	n/a	n/a	n/a	n/a	0.158	n/a	n/a
S10M000217			14797-65-0	Nitrite	ug/mL	94.0	<0.0400	<0.240	n/a	n/a	n/a	n/a	0.240	n/a	n/a U
S10M000217			24959-67-9	Bromide	ug/mL	95.7	<0.0237	0.471	n/a	n/a	n/a	n/a	0.142	n/a	n/a B
S10M000217			14797-55-8	Nitrate	ug/mL	96.3	<0.0162	600	n/a	n/a	n/a	n/a	0.826	n/a	n/a
S10M000217			14265-44-2	Phosphate	ug/mL	97.0	<0.0381	<0.229	n/a	n/a	n/a	n/a	0.229	n/a	n/a U
S10M000217			14808-79-8	Sulfate	ug/mL	96.6	<0.0219	230	n/a	n/a	n/a	n/a	1.12	n/a	n/a

B - Estimated

U - < Det Limit

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100241
 Customer Group or SDG Number: 222S20100241
 Customer Sample ID: B23C74
 Customer Sample ID: B23C74

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000127			16984-48-8	Fluoride	ug/mL	94.6	<6.16E-03	0.361	0.252	n/a	n/a	92.4	6.16E-03	n/a	n/a
S10M000127			16887-00-6	Chloride	ug/mL	99.6	<3.10E-03	21.5	21.0	21.2	2.40	90.2	0.0341	n/a	n/a
S10M000127			14797-65-0	Nitrite	ug/mL	91.2	<0.0400	<0.0400	<0.440	n/a	n/a	92.8	0.0400	n/a	U
S10M000127			24959-67-9	Bromide	ug/mL	93.3	<0.0237	0.243	<0.261	n/a	n/a	91.8	0.0237	n/a	n/a
S10M000127			14797-55-8	Nitrate	ug/mL	91.9	<0.0162	128	145	n/a	n/a	141	1.64	n/a	n/a
S10M000127			14265-44-2	Phosphate	ug/mL	95.1	<0.0381	<0.0381	<0.419	n/a	n/a	101	0.0381	n/a	U
S10M000127			14808-79-8	Sulfate	ug/mL	91.7	<0.0219	32.2	32.0	32.1	0.672	96.5	0.241	n/a	n/a

U - < Det Limit

B - Estimated

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100269
 Customer Group or SDG Number: 222S20100269
 Customer Sample ID: B23PW8
 Customer Sample ID: B23PW8

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000160			16984-48-8	Fluoride	ug/mL	94.6	<6.16E-03	<6.16E-03	<6.16E-03	n/a	n/a	97.2	6.16E-03	n/a	U
S10M000160			16887-00-6	Chloride	ug/mL	99.6	<3.10E-03	0.0183	0.0196	0.0189	6.81	95.7	3.10E-03	n/a	B
S10M000160			14797-65-0	Nitrite	ug/mL	91.2	<0.0400	<0.0400	<0.0400	n/a	n/a	89.1	0.0400	n/a	U
S10M000160			24959-67-9	Bromide	ug/mL	93.3	<0.0237	<0.0237	<0.0237	n/a	n/a	83.6	0.0237	n/a	U
S10M000160			14797-55-8	Nitrate	ug/mL	91.9	<0.0162	<0.0162	<0.0162	n/a	n/a	105	0.0162	n/a	U
S10M000160			14265-44-2	Phosphate	ug/mL	95.1	<0.0381	<0.0381	<0.0381	n/a	n/a	91.3	0.0381	n/a	U
S10M000160			14808-79-8	Sulfate	ug/mL	91.7	<0.0219	<0.0219	<0.0219	n/a	n/a	89.7	0.0219	n/a	U

U - < Det Limit

B - Estimated

NA = Not Analyzed, ND = Not Detected

WSCF - Anions & HexCr
 Data Summary of All Results

Sample Group: 20100244
 Customer Group or SDG Number: 222S20100244
 Customer Sample ID: B24CH7
 Customer Sample ID: B24CH7

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000184			16984-48-8	Fluoride	ug/mL	93.6	<6.16E-03	0.373	0.357	0.365	4.57	94.9	0.0370	n/a	n/a
S10M000184			16887-00-6	Chloride	ug/mL	95.5	<3.10E-03	20.5	20.4	20.4	0.499	91.8	0.0186	n/a	n/a
S10M000184			14797-65-0	Nitrite	ug/mL	93.3	<0.0400	<0.240	<0.240	n/a	n/a	97.6	0.240	n/a	n/a U
S10M000184			24959-67-9	Bromide	ug/mL	94.9	<0.0237	<0.142	<0.142	n/a	n/a	95.4	0.142	n/a	n/a U
S10M000184			14797-55-8	Nitrate	ug/mL	95.6	<0.0162	19.9	20.2	20.0	1.63	103	0.0972	n/a	n/a
S10M000184			14265-44-2	Phosphate	ug/mL	95.1	<0.0381	0.317	0.299	0.308	5.71	98.0	0.229	n/a	n/a B
S10M000184			14808-79-8	Sulfate	ug/mL	95.6	<0.0219	52.5	51.6	52.0	1.59	102	0.131	n/a	n/a

U - < Det Limit

B - Estimated

NA = Not Analyzed, ND = Not Detected

Attachment 2

HOLDING TIME REPORT

Hold Time Report SDG222S20100243

Customer Sample ID	Laboratory Sample ID	Method	Sample Date	Received Date	Analysis Date	Analysis Time lapse	Missed Holding Time
B23X10	S10M000129	SW846-9056 A	03/08/10 11:34	03/09/10 09:30	03/11/10 00:04	61 hours	Y
B23X10	S10M000129	SW846-9056 A	03/08/10 11:34	03/09/10 09:30	03/10/10 18:01	54 hours	Y
B23X10	S10M000129	SW846-9056 A	03/08/10 11:34	03/09/10 09:30	04/06/10 17:38	29 days	Y
B23x40	S10M000216	SW846-9056 A	03/11/10 12:16	03/11/10 14:00	04/02/10 00:47	22 days	Y
B23X96	S10M000217	SW846-9056 A	03/11/10 13:06	03/11/10 14:00	04/01/10 19:39	21 days	Y
B23X96	S10M000217	SW846-9056 A	03/11/10 13:06	03/11/10 14:00	04/02/10 01:01	21 days	Y
B23V67	S10M000218	SW846-9056 A	03/11/10 10:27	03/11/10 14:00	04/01/10 19:53	21 days	Y
B23V67	S10M000218	SW846-9056 A	03/11/10 10:27	03/11/10 14:00	04/02/10 01:15	22 days	Y
B23X42	S10M000219	SW846-9056 A	03/11/10 09:39	03/11/10 14:00	04/01/10 20:07	21 days	Y
B23X42	S10M000219	SW846-9056 A	03/11/10 09:39	03/11/10 14:00	04/02/10 01:29	22 days	Y
B23X44	S10M000220	SW846-9056 A	03/11/10 08:53	03/11/10 14:00	04/01/10 20:21	21 days	Y
B23X44	S10M000220	SW846-9056 A	03/11/10 08:53	03/11/10 14:00	04/02/10 01:43	22 days	Y

Attachment 3

RECEIPT PAPERWORK

ATL	SAMPLE RECEIPT AND CHAIN OF CUSTODY VERIFICATION CHECKLIST		LO-090-101 Rev <u>D.D.1</u>
Date Samples Received: <u>3.9.10</u>		Group #: <u>20100 238, 239, 240,</u>	
Number of Samples: <u>31</u>		<u>241, 242, 243, 244,</u>	
Sample Custodian: <u>[Signature]</u>		<u>245, 246, 247</u>	
Sample Custodian to Complete:			
Action	OK? (Y/N)	N/A	Comments
RSA/COC provided?	✓		
RSR provided?		✓	
Verify GKI is complete			
Check that outer custody seal is intact, if present			
Record cooler temperature in centigrade, as appropriate	8°C		<input type="checkbox"/> Check if no cooler and/or no ice
Samples are intact and in good condition	✓		If No, provide comments on back
Verify that COC or RSA is accurate and complete, containing the following information:			
• Client name and client sample number	✓		
• Date and time of sampling			
• Sampling location or origin			
• Container type, size, and number			
• Analysis request is clear			
• Signature of persons relinquishing and receiving samples			
• Date and/or time of sample custody exchange			
Verify that sample numbers on containers match the COC and/or RSA			
Samples stored properly (e.g., refrigeration)	✓		<u>2B Ref # 4</u>
Notify the PM immediately if any problems are noted. (A "No" answer requires Project Manager resolution.)			
PM to Complete:			
Samples acceptable for release? <u>yes</u>		PM Initials <u>RB</u>	Date <u>3.9.10</u>
If No, comment on communication and resolution:		<u>For J.R. Ritenour</u>	
Other Comments:			

ATL	SAMPLE RECEIPT AND CHAIN OF CUSTODY VERIFICATION CHECKLIST	LO-090-101 Rev <u>D.D.1</u>	
Date Samples Received: <u>3.11.10</u>		Group #: <u>20100243</u>	
Number of Samples: <u>6</u>			
Sample Custodian: <u>[Signature]</u>			
Sample Custodian to Complete:			
Action	OK? (Y/N)	N/A	Comments
RSA/COC provided?	✓		
RSR provided?		✓	
Verify GKI is complete		✓	<u>on file</u>
Check that outer custody seal is intact, if present		✓	
Record cooler temperature in centigrade, as appropriate	✓		<input type="checkbox"/> Check if no cooler and/or no ice <u>11°C</u>
Samples are intact and in good condition	✓		If No, provide comments on back
Verify that COC or RSA is accurate and complete, containing the following information:			
• Client name and client sample number	✓		
• Date and time of sampling			
• Sampling location or origin			
• Container type, size, and number			
• Analysis request is clear			
• Signature of persons relinquishing and receiving samples			
• Date and/or time of sample custody exchange			
Verify that sample numbers on containers match the COC and/or RSA			
Samples stored properly (e.g. refrigeration)	✓		<u>2 B ref # 4</u>
Notify the PM immediately if any problems are noted. (A "No" answer requires Project Manager resolution.)			
PM to Complete:			
Samples acceptable for release?	<u>yes</u>	PM Initials: <u>[Signature]</u>	Date: <u>3.11.10</u>
If No, comment on communication and resolution: <u>For JR retention</u>			
Other Comments:			

GENERATOR KNOWLEDGE INFORMATION

1. Chain of Custody Number NA CACN/COA NA Customer Identification Number NA

2. List generator knowledge or description of process that produced sample. Or list description of sample source:
 Sitewide S&GRP Characterization and Monitoring Sampling and Analysis

MSDS Available? No Yes Hanford MSDS No. _____

3. List all waste codes and constituents associated with the waste or media that was sampled, regardless of CERCLA status.

a) Does the sample contain any of the following listed waste codes?
 By checking "unknown" the customer understands that no knowledge is available following a careful search.

List Federal Waste Code(s):	List Constituent(s):	
P Codes: _____	_____	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
U Codes: _____	_____	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
K Codes: _____	_____	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
F Codes: <u>F001 - F005; F039</u>	_____	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

b) List applicable characteristic waste codes, flash point, pH, constituents, and concentrations as appropriate.

D001: <input type="checkbox"/> FP <100°F	<input type="checkbox"/> FP ≥100 <140°F	<input type="checkbox"/> DOT Oxidizer	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
D002: <input type="checkbox"/> pH ≤2	<input type="checkbox"/> pH ≥12.5	<input type="checkbox"/> Solid Corrosive (WSC2)	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
D003: <input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Water Reactive	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
D004-D043 (Identify applicable waste codes and concentrations):		<input type="checkbox"/> Other _____ (i.e., peroxide former, explosive, air reactive)	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown

N/A

c) If characteristic, list any known underlying hazardous constituents (UHCs) reasonably expected to be present, and their concentrations that may be present above the LDR treatment standard (40 CFR 268.48):

N/A

d) List any known Land Disposal Restrictions (LDR) subcategories if applicable (40 CFR 268.40):

N/A

e) List any applicable Washington State dangerous waste codes: (not required if federally regulated) (*State mixture rule for ignitability)

WT01: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP01: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
WT02: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP02: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
W001: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP03: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
List constituents and concentrations:	F003*: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown

N/A

4. Is this material TSCA regulated for PCBs? Yes No Unknown Analysis Requested

List concentration if applicable: _____

If yes, what is the source of the PCBs? (see TSCA PCB Hanford Site User Guide, DOE/RL-2001-50)

<input type="checkbox"/> PCB Liquid Waste	<input type="checkbox"/> PCB Bulk Product Waste	<input type="checkbox"/> PCB Transformer ≥500 ppm	<input type="checkbox"/> Unknown
<input type="checkbox"/> PCB Remediation Waste	<input type="checkbox"/> PCB R&D Waste	<input type="checkbox"/> PCB contaminated electrical equipment (capacitor/ballast) <500 ppm	
<input type="checkbox"/> PCB Spill Material	<input type="checkbox"/> PCB Item	<input type="checkbox"/> Other PCB Waste (list) _____	

5. Is this material TRU? Yes No Unknown

6. ACCURACY OF INFORMATION

Based on my inquiry of those individuals immediately responsible for obtaining this information, that to the best of my knowledge, the information entered in this document is true, accurate, and complete.

Print & Sign SAJORA / SJ TRENT Date 1/9/07

Attachment 4

ISSUE RESOLUTION FORMS

ISSUE RESOLUTION FORM

CHPRC TRACKING NUMBER: 10-092 (revision 1)

Date : 4/27/10 SAF No.: See table

SDG: See table

LOGIN No.: See attached table

TEST: IC -Anions

Sample No.(s) See table

Submitted By: C. S. Menjivar

Phone No: 372-2525

Fax No.: 373-4884

Submitted To: Heidi Hampt

Phone No. 376-4319

Fax No. 373-1788

ISSUE

The table below displays the samples for which the required reporting limit for nitrite, phosphate, bromide, and fluoride was missed. In most cases, samples were reanalyzed far out of holding time in order to obtain the required RL.

PROPOSED RESOLUTION

Report the reanalysis with the lower detection limit and provide table in report with original analysis result (if applicable) and report analysis time. Explain in narrative.

CHPRC/BHI/WMH/PNNL COMMENTS

Accept proposed resolution.

Heidi Hampt 4/28/10
Signature and Date

SAF	SDG	HEIS #	LAB ID
F10-065	222S20100176	B23CT9	S10M000093
F10-043	222S20100186	B24DP5	S10M000096
W10-001	222S20100187	B23D19	S10M000097
W10-001	222S20100187	B23D20	S10M000098
S10-012	222S2010188	B23198	S10M000099
W10-022	222S20100190	B23X46	S10M000100
X10-036	222S20100191	B248F0	S10M000101
X10-036	222S20100191	B248F3	S10M000102
X10-036	222S20100191	B248F6	S10M000103
F10-065	222S20100176	B23CV0	S10M000110
W10-002	222S20100243	B23X10	S10M000129
X10-033	222S20100244	B24CJ1	S10M000130
X10-034	222S20100247	B248T7	S10M000135
X10-034	222S20100247	B248R8	S10M000136
X10-034	222S20100247	B249H9	S10M000137
X10-034	222S20100247	B24B04	S10M000138
X10-034	222S20100247	B24B14	S10M000139
X10-034	222S20100247	B24B17	S10M000140
X10-034	222S20100247	B24B20	S10M000141
X10-034	222S20100247	B24B47	S10M000143
X10-033	222S20100244	B24CJ9	S10M000144
S10-012	222S20100253	B22YX7	S10M000145
S10-001	222S20100255	B23FC9	S10M000146

20100243

SAF	SDG	HEIS #	LAB ID
X10-034	222S20100247	B24B34	S10M000173
X10-034	222S20100247	B24B43	S10M000174
S10-003	222S20100271	B24FL9	S10M000180
X10-033	222S20100244	B24CH0	S10M000181
X10-033	222S20100244	B24CH1	S10M000182
X10-033	222S20100244	B24CH6	S10M000183
X10-033	222S20100244	B24CH8	S10M000185
X10-033	222S20100244	B24CF8	S10M000186
X10-033	222S20100244	B24CF9	S10M000187
F10-119	222S20100242	B243T9	S10M000189
F10-119	222S20100242	B243V0	S10M000190

ISSUE RESOLUTION FORM

CHPRC TRACKING NUMBER: 10-114

Date : 04/27/2010 SAF No.: W10-002

SDG: 222S20100243

LOGIN No.: S10M000216, S10M000217, S10M000218, S10M000219, S10M000220.

TEST: IC Anions

Sample No.(s) : B23X40, B23X93, B23V67, B23X42, B23X44

Submitted By: C.S. Menjivar

Submitted To: Heidi Hampt

Phone No: 372-2525

Phone No. 376-4319

Fax No.: 373-4884

Fax No. 373-1788

ISSUE

Samples were analyzed outside the holding time period.

PROPOSED RESOLUTION

Report and explain in narrative

CHPRC/BHI/WMH/PNNL COMMENTS

Accept proposed resolution.

Heidi Hampt 4/28/10

Signature and Date