

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

3 October 2012

Mr. Scot Fitzgerald  
 CH2M Hill Plateau Remediation Company  
 P.O. Box 1600  
 Mail Stop - B6-06  
 Richland, WA 99352

**Subject: Contract No. 630 - Analytical Data Package**

Dear Mr. Fitzgerald:

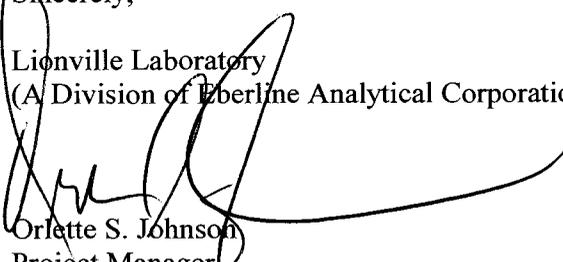
Enclosed are the hard copy analytical reports for the batch number/fraction indicated (marked X) in the following table:

LvL Batch #	1209019
SDG #	L0047
SAF #	X12-040
Date Received	09/07/2012
# Samples	7
Matrix	Water
Volatiles	
Semivolatiles	
Pest/PCB	
DRO/GRO/KRO	
PAH	
Acrylamide	
Metals	
Inorganics	X

The electronic data deliverable (EDD) has been uploaded to EDDPro. If you have any questions, please don't hesitate to contact me at (610) 280-3012.

Sincerely,

Lionville Laboratory  
 (A Division of Eberline Analytical Corporation)



Orlette S. Johnson  
 Project Manager

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 15 pages.

# CHAIN OF CUSTODY



CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

X12-040-020

Page 1 of 1

Collector	L.D. Wall CHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAF No.	X12-040	Sampling Origin	HANFORD SITE	Purchase Order/Charge Code	300071ES20
Project Title	Special Sampling GW Sitewide, July 201	Logbook No.	HNF-N-506 49/102	Ice Chest No.	6005-2994
Shipped To (Lab)	Lionville Laboratory Incorporated	Method of Shipment	Commercial Carrier	Bill of Lading/Air Bill No.	7989 08478881
Protocol	SURV	Priority:	48 Days	Offsite Property No.	401

POSSIBLE SAMPLE HAZARDS/REMARKS  
 \*\*\* Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS Hold Time  
 Site Wide Generator Knowledge Information Form applies.  
 The CACN for all analytical work at WSCF is 401647.

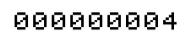
Total Activity Exemption: Yes  No

Sample No.	Filter	*	Date	Time	No./Type Container	Sample Analysis	Holding Time	Preservative
B2LTM6	N	W	9/6/12	1000	1x250-mL AG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2LTM4	N	W			1x250-mL AG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2LTM8	N	W			1x20-mL P	Activity Scan	6 Months	None
B2LTM8	N	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	48 Hours	Cool~4C
B2LTM7	N	W			1x250-mL AG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C
B2LTM5	N	W			1x250-mL AG	9060_TOC: TOC (1)	28 Days	HCl or H2SO4 to pH <2/Cool~4C

Relinquished By	L.D. Wall CHPRC	Print	Sign	Date/Time	SEP 06 2012 1400	Received By	FEDEX	Print	Sign	Date/Time
Relinquished By	FDG			Date/Time	9-7-12	Received By	Vitor Hernandez			Date/Time
Relinquished By				Date/Time	0955	Received By				Date/Time
Relinquished By				Date/Time		Received By				Date/Time

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

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
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OCTOBER 04, 2012

CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

X12-040-021

Page 1 of 1

Collector	L.D. Wall CHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAP No.	X12-040	Sampling Origin	HANFORD SITE	Purchase Order/Charge Code	300071ESS20
Object Title	Special Sampling GW Sitewide, July 201	Logbook No.	HNF-N-506 49/62	Ice Chest No.	6005-294
Shipped To (Lab)	Lionville Laboratory Incorporated	Method of Shipment	Commercial Carrier	Bill of Lading/Air Bill No.	798908478881
Protocol	SURV	Priority:	45 Days	Offsite Property No.	401

**POSSIBLE SAMPLE HAZARDS/REMARKS**  
 \*\*\* Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

**SPECIAL INSTRUCTIONS** Hold Time  
 Site Wide Generator Knowledge Information Form applies.  
 The CACN for all analytical work at WSCF is 401647.  
 Total Activity Exemption: Yes  No

Sample No.	Filter	*	Date	Time	No./Type Container	Activity Scan	Sample Analysis	Holding Time	Preservative
B2LTM9	N		9/6/12	1000	1x20-mL P			6 Months	None
B2LTM9	N				1x500-mL P	300.0 ANIONS_IC: List-1 (5)		48 Hours	Cool-4C

OCTOBER 04, 2012

Relinquished By	L.D. Wall CHPRC	Print	Sign	Date/Time	SEP 06 2012 1400	Received By	FEDEX	Print	Sign	Date/Time
Relinquished By	<i>[Signature]</i>			Date/Time	9-7-12 0955	Received By	<i>[Signature]</i>			Date/Time
Relinquished By	<i>[Signature]</i>			Date/Time	9-7-12 0955	Received By	<i>[Signature]</i>			Date/Time

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

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
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CH2M Hill Plateau Remediation Company

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

45115

C.O.C. #  
X12-040-022

Page 1 of 1

Collector	L.D. Wall CHPRC	Contact/Requester	WATERS-HUSTED, K	Telephone No.	376-4650
SAF No.	X12-040	Sampling Origin	HANFORD SITE	Purchase Order/Charge Code	300071ESS20
Project Title	Special Sampling GW Sitewide, July 201	Logbook No.	HNF-N-506 49/62	Ice Chest No.	6005-294
Shipped To (Lab)	Lionville Laboratory Incorporated	Method of Shipment	Commercial Carrier	Bill of Lading/Air Bill No.	7990908478881
Protocol	SURV	Priority:	45 Days	Offsite Property No.	4011

POSSIBLE SAMPLE HAZARDS/REMARKS  
 \*\*\* Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS  
 Site Wide Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.

Total Activity Exemption: Yes  No

Sample No.	Filter	*	Date	Time	No./Type Container	Activity Scan	Sample Analysis	Holding Time	Preservative
B2L TNO	N	W	9/12/12	1900	1x20-mL P			6 Months	None
B2L TNO	N	W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)		48 Hours	Cool-4C

Relinquished By	L.D. Wall CHPRC	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By	<i>[Signature]</i>			SEP 06 2012 1400	FEDEX				S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By	<i>[Signature]</i>			9-7-10 0955	<i>[Signature]</i>			9-7-12 0955	DS = Drum Solids DL = Drum Liquids T = Tissue WT = Wipe L = Liquid V = Vegetation X = Other
Relinquished By				Date/Time	Received By			Date/Time	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
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OCTOBER 04, 2012

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Lionville Laboratory  
SAMPLE RECEIPT CHECKLIST (SRC)

CLIENT: CHPRC  
Project/SAF/SOW/Release #: X12-040

Date: 9/7/12

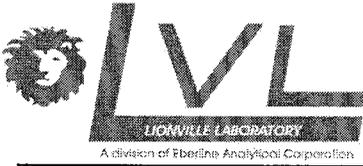
LvL Batch #: 1209019

Sample Custodian: [Signature]

NOTE: EXPLAIN ALL DISCREPANCIES

1. Samples Hand Delivered or <u>Shipped?</u>	Carrier <u>Fed Ex</u>	Airbill # <u>79890487 8881</u>
2. Custody Seals on coolers or shipping containers intact, signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
3. Outside of coolers or shipping containers are free from damage?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <i>Comments:</i>
4. All expected paperwork received (coc & other client specific information) sealed in plastic bag and easily accessible?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5. Samples received cooled or ambient?	Temp <u>2.1</u> °C	Cooler # <u>GWS-294</u>
How was the temperature taken?	<input checked="" type="checkbox"/> IR	<input type="checkbox"/> Temp. Blank <input type="checkbox"/> Other (Specify):
Is the Temp. Criteria met for these samples? (Hg in soils @ 4°C)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6. Custody seals on sample containers intact, signed and dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No Seals
7. COC (Client & LvL) signed & dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8. Sample containers are intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
9. All samples on COC received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All samples received on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
10. All sample label information matches COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
11. Samples properly preserved? (If #5 is no, then this is no.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
12. Samples received within hold times?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Short holds taken to wet lab?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13. VOA, TOC, TOX free of headspace?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14. QC stickers placed on bottles designated by client?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15. Shipment meets LvL Sample Acceptance Policy? (Identify all bottles that do not meet the policy, which is on the reverse of this page.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
16. Project Manager contacted concerning any discrepancies?	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Person Contacted _____	Date _____	

# WET CHEMISTRY

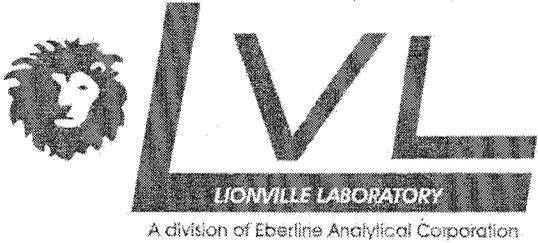


Lionville Laboratory, PADEP Lab ID# 15-00009  
 264 Welsh Pool Road  
 Exton, PA 19341  
 Phone: 610-280-3000  
 Fax: 610-280-3041

CHPRC Hanford PO Box 1600, Mail Stop - R3-60 Richland WA, 99352	Project: X12-040 Project Number: L0047 Project Manager: Scot Fitzgerald	Reported: 09/27/2012 17:32
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**Analytical Report for Wet Chemistry**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B2LTM6	1209019-01	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTM4	1209019-02	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTM8	1209019-03	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTM7	1209019-04	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTM5	1209019-05	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTM9	1209019-06	Water	09/06/2012 10:00	09/07/2012 09:55
B2LTN0	1209019-07	Water	09/06/2012 10:00	09/07/2012 09:55



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**Case Narrative**

**Client:** CHPRC HANFORD X12-040  
**LVL#:** 1209019

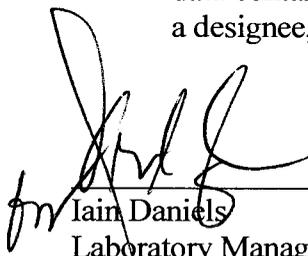
**Date Received:** 09-07-12

**INORGANIC NARRATIVE**

1. This narrative covers the analyses of 7 water samples.
2. The samples were prepared and analyzed in accordance with the methods indicated on the data summary report.

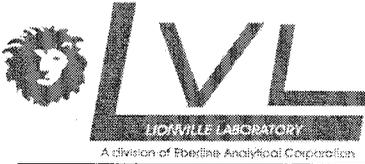
Lionville Lab (LvL) is NELAP accredited by the State of Pennsylvania. For a complete list of accrediting authorities and the corresponding analytes/methods, please contact your Project Manager. LvL certifies that all test results meet the requirements of NELAC with any exception noted in the following statements.

3. Sample holding times as required by the method and/or contract were met.
4. The results presented in this report are derived from samples that met LvL's sample acceptance policy.
5. The method blanks were within the method criteria.
6. The Laboratory Control Samples (LCS) were within the laboratory control limits.
7. The matrix spike recoveries were within the 75-125% or 80-120% control limits as noted in the Analytical Report.
8. The replicate analyses were within the 20% Relative Percent Difference (RPD) control limit.
9. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard copy package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

  
 \_\_\_\_\_  
 Iain Daniels  
 Laboratory Manager  
 Lionville Laboratory

10/3/12  
 Date

njpi09-019



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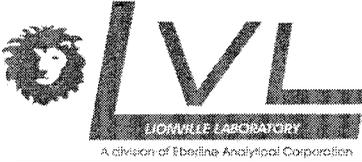
CHPRC Hanford  
 PO Box 1600, Mail Stop - R3-60  
 Richland WA, 99352

Project: X12-040  
 Project Number: L0047  
 Project Manager: Scot Fitzgerald

Reported:  
 09/27/2012 17:32

**Notes and Definitions**

- U Analyte included in the analysis, but not detected
- D Results reported from a dilution; related reporting limits are elevated due to the presence of an interference or a high target value.
- B Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- \* Value outside QC acceptance criteria
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- Dry Sample results reported on a dry weight basis
- Wet Sample results reported on a wet weight basis
- RPD Relative Percent Difference
- LOD Limit of Detection (LOD): the minimum estimated concentration of a target analyte that can be detected reliably. Concentrations at the LOD or between the LOD and LOQ are flagged estimated with either a 'J' qualifier or client-specific qualifier.
- LOQ Limit of Quantitation (LOQ): the minimum concentration of a target analyte that can be quantified reliably



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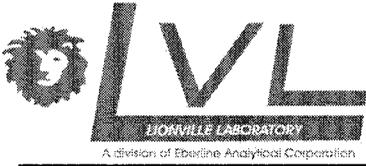
CHPRC Hanford  
 PO Box 1600, Mail Stop - R3-60  
 Richland WA, 99352

Project: X12-040  
 Project Number: L0047  
 Project Manager: Scot Fitzgerald

Reported:  
 10/04/2012 12:18

**Wet Chemistry**  
**Lionville Laboratory**

Analyte	Result and Qualifier	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>B2LTM6 (1209019-01) Water</b>									
Total Organic Carbon	2.30	0.20	1.00	mg/L	1	L209186	09/25/2012 10:30	09/25/2012 11:20	SW846 9060
<b>B2LTM4 (1209019-02) Water</b>									
Total Organic Carbon	2.10	0.20	1.00	mg/L	1	L209186	09/25/2012 10:30	09/25/2012 11:20	SW846 9060
<b>B2LTM8 (1209019-03) Water</b>									
Chloride	61.0 D	1.00	2.00	mg/L	10	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Fluoride	2.19 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrate as N	1.50	0.02	0.11	mg/L	1	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrite as N	0.15 D, U	0.15	0.75	mg/L	5	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Sulfate	13.8 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
<b>B2LTM7 (1209019-04) Water</b>									
Total Organic Carbon	2.26	0.20	1.00	mg/L	1	L209186	09/25/2012 10:30	09/25/2012 11:20	SW846 9060
<b>B2LTM5 (1209019-05) Water</b>									
Total Organic Carbon	2.15	0.20	1.00	mg/L	1	L209186	09/25/2012 10:30	09/25/2012 11:20	SW846 9060
<b>B2LTM9 (1209019-06) Water</b>									
Chloride	61.4 D	1.00	2.00	mg/L	10	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Fluoride	2.13 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrate as N	1.49	0.02	0.11	mg/L	1	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrite as N	0.15 D, U	0.15	0.75	mg/L	5	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Sulfate	13.6 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)

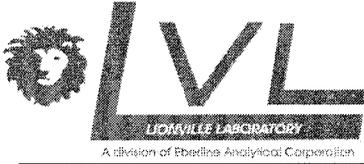


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CHPRC Hanford PO Box 1600, Mail Stop - R3-60 Richland WA, 99352	Project: X12-040 Project Number: L0047 Project Manager: Scot Fitzgerald	Reported: 10/04/2012 12:18
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**Wet Chemistry**  
**Lionville Laboratory**

Analyte	Result and Qualifier	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>B2LTN0 (1209019-07) Water</b>									
Chloride	61.2 D	1.00	2.00	mg/L	10	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Fluoride	2.11 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrate as N	1.49	0.02	0.11	mg/L	1	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Nitrite as N	0.15 D, U	0.15	0.75	mg/L	5	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)
Sulfate	13.4 D	0.20	1.00	mg/L	2	L209103	09/07/2012 09:41	09/07/2012 10:26	EPA 300.0 (1993)



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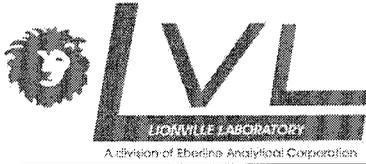
Project: X12-040  
 Project Number: L0047  
 Project Manager: Scot Fitzgerald

Reported:  
 10/04/2012 12:18

**Wet Chemistry - Quality Control**  
**Lionville Laboratory**

Analyte	Result and Qualifiers	LOD	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch L209103 - Default Prep GenChem</b>										
<b>Blank (L209103-BLK1)</b>					Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26					
Fluoride	0.10 U	0.10	0.50	mg/L						
Nitrate as N	0.02 U	0.02	0.11	mg/L						
Chloride	0.10 U	0.10	0.20	mg/L						
Nitrite as N	0.03 U	0.03	0.15	mg/L						
Sulfate	0.10 U	0.10	0.50	mg/L						
<b>LCS (L209103-BS1)</b>					Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26					
Fluoride	4.95	0.10	0.50	mg/L	5.0000		99.0	90-110		
Chloride	4.77	0.10	0.20	mg/L	5.0000		95.4	90-110		
Nitrate as N	1.15	0.02	0.11	mg/L	1.1300		101	90-110		
Nitrite as N	1.48	0.03	0.15	mg/L	1.5200		97.2	90-110		
Sulfate	4.90	0.10	0.50	mg/L	5.0000		98.0	90-110		
<b>Duplicate (L209103-DUP1)</b>					Source: 1209019-03		Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26			
Chloride	61.3 D	1.00	2.00	mg/L		61.0			0.392	20
Nitrate as N	1.50	0.02	0.11	mg/L		1.50			0.00	20
Nitrite as N	0.15 D, U	0.15	0.75	mg/L		0.15 UD				20
Sulfate	13.6 D	0.20	1.00	mg/L		13.8			1.60	20
<b>Matrix Spike (L209103-MS1)</b>					Source: 1209019-03		Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26			
Fluoride	27.0 D	0.50	2.50	mg/L	25.000	2.19	99.2	80-120		
Nitrate as N	7.17 D	0.10	0.55	mg/L	5.6475	1.50	100	80-120		
Sulfate	38.8 D	0.50	2.50	mg/L	25.000	13.8	100	80-120		
<b>Matrix Spike (L209103-MS2)</b>					Source: 1209019-03		Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26			
Nitrite as N	16.4 D	0.30	1.50	mg/L	15.224	0.15 UD	108	80-120		
<b>Matrix Spike (L209103-MS3)</b>					Source: 1209019-03		Prepared: 09/07/2012 09:41 Analyzed: 09/07/2012 10:26			
Chloride	161 D	2.00	4.00	mg/L	100.00	61.0	100	80-120		

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Lionville Laboratory, PADEP Lab ID# 15-00009  
 264 Welsh Pool Road  
 Exton, PA 19341  
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CHPRC Hanford  
 PO Box 1600, Mail Stop - R3-60  
 Richland WA, 99352

Project: X12-040  
 Project Number: L0047  
 Project Manager: Scot Fitzgerald

Reported:  
 09/27/2012 17:32

**Wet Chemistry - Quality Control**  
**Lionville Laboratory**

Analyte	Result and Qualifiers	LOD	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch L209104 - Default Prep GenChem</b>										
<b>Blank (L209104-BLK1)</b>					Prepared: 09/12/2012 09:23 Analyzed: 09/12/2012 10:23					
Fluoride	0.10 U	0.10	0.50	mg/L						
<b>LCS (L209104-BS1)</b>					Prepared: 09/12/2012 09:23 Analyzed: 09/12/2012 10:23					
Fluoride	5.16	0.10	0.50	mg/L	5.0000		103	90-110		
<b>Duplicate (L209104-DUP3)</b>					Source: 1209019-03RE1 Prepared: 09/12/2012 09:23 Analyzed: 09/12/2012 10:23					
Fluoride	2.41 D	0.20	1.00	mg/L		2.19			9.57	20
<b>Batch L209186 - NO PREP</b>										
<b>Blank (L209186-BLK1)</b>					Prepared: 09/25/2012 10:30 Analyzed: 09/25/2012 11:20					
Total Organic Carbon	0.20 B	0.20	1.00	mg/L						
<b>LCS (L209186-BS1)</b>					Prepared: 09/25/2012 10:30 Analyzed: 09/25/2012 11:20					
Total Organic Carbon	4.91	0.20	1.00	mg/L	5.0000		98	90-110		
<b>Duplicate (L209186-DUP1)</b>					Source: 1209019-01 Prepared: 09/25/2012 10:30 Analyzed: 09/25/2012 11:20					
Total Organic Carbon	2.12	0.20	1.00	mg/L		2.30			8	20
<b>Matrix Spike (L209186-MS1)</b>					Source: 1209019-05 Prepared: 09/25/2012 10:30 Analyzed: 09/25/2012 11:20					
Total Organic Carbon	7.00	0.20	1.00	mg/L	5.0000	2.15	97	75-125		

**Whitley, Kelly M**

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**From:** ^SDM Administration  
**Sent:** Thursday, October 04, 2012 9:56 AM  
**To:** ^CPP SDM Login; Baechler, Michael A; Puckett, Susan; Waters-husted, Karen S  
**Subject:** FW: FINAL DATA: L0047 corrected data  
**Attachments:** 1209019\_L0047.pdf

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**From:** ^CPP Sample Management [[mailto:CPP\\_Sample\\_Management@rl.gov](mailto:CPP_Sample_Management@rl.gov)]  
**Sent:** Thursday, October 04, 2012 9:28 AM  
**To:** ^SDM Administration  
**Subject:** FW: FINAL DATA: L0047 corrected data

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**From:** Orlette Johnson [<SMTP:ORLETTE.JOHNSON@LIONVILLELAB.COM>]  
**Sent:** Thursday, October 04, 2012 9:26:58 AM  
**To:** ^CPP Sample Management  
**Subject:** FINAL DATA: L0047 corrected data  
**Auto forwarded by a Rule**

The attached data have been corrected to include 'D' qualifiers on Nitrite as N results.

thank you,  
Orlette