

1216551

Analytical Data Package Prepared For

Fluor Handord

Radiochemical Analysis By

STL Richland

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: STLRL

Data Package Contains 11 Pages

Report No.: 35922

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
W05198		B1P195	J7F290443-2	J15FV1AA	9J15FV10	7180663
	I07-047	B1P198	J7F290443-1	J15F31AA	9J15F310	7180663



JUL 17 2007

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Certificate of Analysis

Pacific Northwest National Laboratories
Sigma V Building
Richland, WA 99352

July 16, 2007

Attention: Steve Trent

SAF Number	:	I07-047
Date SDG Closed	:	June 29, 2007
Number of Samples	:	Two (2)
Sample Type	:	Water
SDG Number	:	W05198
Data Deliverable	:	15-Day / Summary

CASE NARRATIVE

I. Introduction

On June 29, 2007 two water samples were received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Pacific Northwest National Laboratories (PGW) specific IDs:

<u>PGW ID#</u>	<u>STLR ID#</u>	<u>DATE OF RECEIPT</u>	<u>MATRIX</u>
B1P195	J15FV	6/29/07	WATER
B1P198	J15F3	6/29/07	WATER

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Chemical Analysis
Hexavalent Chromium by EPA method 7196A

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

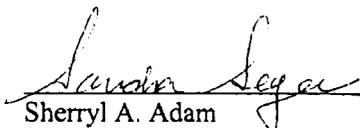
Chemical Analysis

Hexavalent Chromium by EPA method 7196A

The LCS, batch blank, samples, sample duplicate (B1P195), sample matrix spike (B1P195), and matrix spike duplicate results (B1P195) are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:



for Sherryl A. Adam
Project Manager

Work Order Number(s): J15KD, J15KV, J15F3				
Lab Sample Numbers or SDG: W05198				
Method/Test/Parameter: Cr+6 in Water / RICH-WC-5003				
Review Item	Yes (✓)	No (✓)	N/A (✓)	2 nd Level Review (✓)
A. Initial Calibration				
1. Performed at required frequency with required number of levels?	✓			/
2. Correlation coefficient within QC limits?	✓			/
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits?	✓			/
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			/
B. Continuing Calibration				
1. CCV analyzed at required frequency and all parameters within QC limits?	✓			/
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			/
C. Sample Analysis				
1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed?			✓	✓
2. Were all sample holding times met?	✓			/
D. QC Samples				
1. All results for the preparation blank below limits?	✓			/
2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable?	✓			/
3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable?	✓			/
4. Analytical spikes within QC limits where applicable?			✓	/
5. ICP only: One serial dilution performed per SDG?			✓	/
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	/
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

Review Item	Yes (✓)	No (✓)	N/A (✓)	2 nd Level Review (✓)
E. Other			✓	
1. Are all nonconformances included and noted?				✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response:

Analyst: *Thomas E. M. [Signature]*

Date: 7/2/07

Second-Level Review: *[Signature]*

Date: 7/16/07



STL

Sample Check-in List

Date/Time Received: 06/29/07 1500

Client: P6W SDG #: W05198 NA SAF #: I07-047 NA

Work Order Number: J7F290443 Chain of Custody # I07-047-23,26

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA Yes No
2. Custody Seals dated and signed? NA Yes No
3. Chain of Custody record present? Yes No
4. Cooler temperature: _____ NA 5. Vermiculite/packing materials is NA Wet Dry
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA Yes No
8. Samples have:
 _____ tape _____ hazard labels
 _____ custody seals appropriate samples labels
9. Samples are:
 in good condition _____ leaking
 broken _____ have air bubbles
 (Only for samples requiring head space)
10. Sample pH taken? NA pH<2 pH>2 pH>9
11. Sample Location, Sample Collector Listed? * Yes No
 *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes No
13. Description of anomalies (include sample numbers): _____

Sample Custodian: S. Smith Date: 06-29-07

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person contacted _____

No action necessary; process as is.

Project Manager _____ Date _____

6/29/2007 4:15:14 PM
 384868, Pacific Northwest National Laboratory
 Pacific Northwest National Lab

Sample Preparation/Analysis 15 day TAT
 Balance Id:
 Pipet #:
 88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
 EA Chromium, Hexavalent (7196A)
 5I CLIENT: HANFORD

Priority
 Sep1 DT/Tm Tech:
 Sep2 DT/Tm Tech:
 PM, Quote: SA, 57671

Batch: 7180663 WATER mg/L
 SEQ Batch, Test: None All Tests: 7180663 88EA,

Work Order, Lot, Sample Date/Time	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 J15FV-1-AA J7F290443-1-SAMP 06/29/2007 11:42								
2 J15FV-1-AC-S J7F290443-1-MS 06/29/2007 11:42								
3 J15FV-1-AD-D J7F290443-1-MSD 06/29/2007 11:42								
4 J15FV-1-AE-X J7F290443-1-DUP 06/29/2007 11:42								
5 J15F3-1-AA J7F290443-2-SAMP 06/29/2007 10:12								
6 J15KD-1-AA-B J7F290000-663-BLK 06/29/2007 11:42								
7 J15KD-1-AC-C J7F290000-663-LCS 06/29/2007 11:42								

