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Pacific Northwest National Laboratory

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August 14, 2007

Report number: PNNL-16737

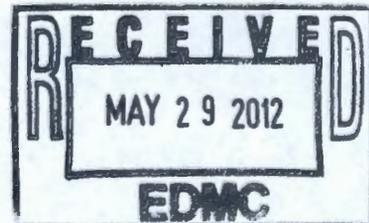
To: Steve Trent

From: Michael Lindberg *Chris P. Bacon for MSL*
Environmental Sciences Laboratory

Subject: Final Results for Sample Delivery Group PNL0067 – SAF Number G07-006
(INR2-RB June 2007)

This letter contains the following information for sample delivery group PNL0067

- Cover Sheet
- Narrative
- Analytical Results



AUG 15 2007

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PNNL SAF Number Cross Reference

Group#: PNL0067
Data Deliverable Date: August 20, 2007
Data Deliverable: Hard Copy Report

SAF Number	Sample ID	Matrix
G07-006	B1NP92	Water
	B1NP93	Water

Introduction

On July 6, 2007, 2 water samples were received from the 100-N Area for citrate analysis.

Analytical Results/Methodology

The analyses for this project were performed at the 325 building located in the 300 Area of the Hanford Site. The analyses were performed according to Pacific Northwest National Laboratory (PNNL) approved procedures. The data sets include the sample identification numbers, analytical results, estimated quantification limits (EQL) and quality control data.

Quality Control

The preparatory and analytical quality control requirements, calibration requirements, acceptance criteria, and failure actions are defined in the on-line QA plan "Conducting Analytical Work in Support of Regulatory Programs" (CAW). This QA plan implements the Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD) for PNNL.

Definitions

CCB Continuing Calibration Blank
CCV Continuing Calibration Verification
Spike Matrix Spike
Dup Duplicate

Sample Receipt

Samples were received with a chain of custody (COC) and were analyzed according to the sample identification numbers supplied by the client. All Samples were refrigerated upon receipt until analyzed.

All samples were received with custody seals intact.

Holding Times

The prescribed holding times were met for all analytes.

Analytical Results

All reported analytical results met the requirements of the CAW.

This data package has been reviewed technically for completeness and compliance to the CAW.

DISCLAIMER

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 Analytical Results
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Samples received 7/6/2007
 Sample Analysis Date: 7/13/2007
 Approximate Concentration/Type of Solvent Matrix: Ground water
 Special Analysis Requirements:
 Calibration and Standards Prep. Date: As run
 Stock Standards: BNW LRB 57971
 Please contact Mike Lindberg (372-2483) for analysis requests or questions.

Analyst name:	Cristian Iovin
Peer reviewer name:	Michelle Valenta
Project Manager acceptance date:	7/20/2007

Dionex DX600 Chromatographic System RPL Rm 312 Analysis Results: (all results in ppm unless otherwise stated)

Sample Name	Amount
	ug/mL
	Citrate
B1NP92	<1.00E+00
B1NP93	<1.00E+00

7/13/2007

Standard Recoveries (%)	Citrate
CCV	109.87
CCV 1	109.82

Spike Recoveries (%)	Citrate
B1NV10 IC SPIKE	109.40

RPD Duplicates	Citrate
B1NV09 IC DUP	N/A

Blanks	Citrate
CCB	<0.10
CCB 1	<0.10

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SAMPLE INSPECTION FORM

SAMPLE RECEIPT

CLIENT: **FLUOR**

RECEIVING DOCUMENT INFORMATION VERIFICATION:

Agreement
Non-Agreement (Explain)

SAMPLE CONTAINER CONDITION (check one):	<u>Intact/Satisfactory</u>	Other (Explain)
Explanation:		

CONTAINER TEMPERATURE (provide or check N/A):	°C;	<u>N/A</u>
Comments:		

SAMPLE CUSTODY SEALS (check one):	Required: If required:	<u>Yes Present</u>	No; Absent
If absent, list discrepancies by sample number/container identification:			

CONDITION OF SAMPLE SEALS (check one):	N/A;	<u>Intact</u>	Breached
Describe discrepancies by sample number/container identification:			

RESOLUTION OF SAMPLE DISCREPANCIES/DEFICIENCIES/ADDITIONAL COMMENTS:

SAMPLE STORAGE LOCATION: **325/325**

CLIENT SAMPLE NO. (1st # in series) **BINP92, BINP93** **506 PNL0067**

WORK PACKAGE NO: PROJECT NO:

VERIFIER: **M. White** DATE: **7/11/07** TIME: **10:00** (am/pm)

This is the preferred method for documenting information. Alternate methods may be used provided the content and method of processing is consistent with this QA Plan.

