STL ST. LOUIS
RECEIVED JUNE 1, 2007

0077053

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

RECEIVED
MAY 05 2008
EDMC

ANALYTICAL REPORT

S07-004

Lot #: F7D180186
SDG #: SL687

Dot Stewart

Pacific Northwest National Lab
3110 Port of Benton Blvd.
Sigma 5 MS K694
Richland, WA 99352

SEVERN TRENT LABORATORIES, INC.

James M. Klegan
for
Brian O'Donnell
Project Manager

May 30, 2007

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
May 30, 2007
Attention: Dot Stewart

SDG	:	SL687
Number of Samples	:	68
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	May 2, 2007

II. Introduction

Between April 18, 2007 and April 21, 2007, sixty-eight (68) water samples were received by STL St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

Deviation from Request: None

IV. Definitions

QCBLK-	Quality Control Blank, Method Blank
QCLCS-	Quality Control Laboratory Control Sample, Blank Spike
DUP-	Laboratory Duplicate
MS-	Matrix Spike
MSD-	Matrix Spike Duplicate

Pacific Northwest National Laboratories
May 30, 2007
SDG: SL687

V. Comments

General

The following SAFs are associated with this SDG: S07-004, S07-003, G07-003, I07-031, I07-026, W07-004, W07-003.

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

Volatiles

The LCS/LCSD RPD for one compound is not within method acceptance criteria. LCS/LCSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.

The MS/MSD performed on sample B1M6D5 had a RPD for one compound which was not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Batch:
7117131
Affected Samples:
F7D190150 (2): B1MM55
F7D190187 (1): B1M6D5
F7D200312 (1): B1MM56
F7D200312 (3): B1MFC0
F7D200312 (5): B1MFF3
F7D200312 (7): B1MFD5
F7D200312 (9): B1MFD9
F7D210111 (6): B1ML33
F7D210111 (8): B1ML35

The LCS/LCSD RPD for one compounds is not within method acceptance criteria. LCS/LCSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.

The MS/MSD RPDs for two compounds are not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.
Batch:
7120454
Affected Samples:
F7D210111 (6): B1ML33
F7D210112 (1): B1MM57

The associated sample was analyzed at a dilution due to high concentrations of target analyte (Carbon Tetrachloride). The reporting limit has been adjusted only for those targets reported from the dilution run.
Batch:
7120454
Affected Samples:
F7D210111 (6): B1ML33

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

Pacific Northwest National Laboratories
May 30, 2007
SDG: SL687

Phenols by GC

One of the three sample containers were received by the laboratory broken. The analysis was performed using the remaining containers. Please refer to included IRF 07-042.
Affected Samples:
F7D210111 (8): B1ML35

Extractable Petroleum Hydrocarbons

The CCV surrogate recovery is outside the acceptable QC limits (greater than 15%D) indicating a potential low bias for this surrogate in the associated samples. The sample surrogate recoveries are within acceptable QC limits.
Affected Samples:
F7D190178 (3): B1MD64
F7D190186 (1): B1MDB8

Volatile Petroleum Hydrocarbons

In the original analysis (batch 7113154), the associated sample's surrogate recovery was outside established QC limits. The sample was reprepared/reanalyzed inside holding time (batch 7114062). The reanalysis yielded comparable surrogate results indicating a matrix effect. Only the results of the reanalysis are reported. In the original analysis, the CCAL was analyzed outside of the 12 hour clock due to sample carryover and the necessity to run several system blanks.
Affected Samples:
F7D190186 (1): B1MDB8

Ion Chromatography

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Nitrite in batch 7109186 is attributed to matrix interference.
Affected Samples:
F7D180186 (2): B1MRC5
F7D180186 (4): B1MRC9
F7D180186 (6): B1MRF5

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride in batch 7114118 and Nitrite in batch 7114120 is attributed to matrix interference.
Affected Samples:
F7D200307 (2): B1MRF9
F7D200307 (4): B1MRH3
F7D200312 (3): B1MFC0
F7D200312 (5): B1MFF3
F7D200312 (7): B1MFD5
F7D200312 (9): B1MFD9

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

Pacific Northwest National Laboratories
May 30, 2007
SDG: SL687

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Chloride in batch 7110331 and Nitrite in batch 7110334 is attributed to matrix interference.
Affected Samples:
F7D190178 (1): B1MD28
F7D190178 (3): B1MD64
F7D190178 (5): B1MD69

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Chloride in batch 7115565, Nitrite in batch 7115568 and Nitrate in batch 7115569 is attributed to matrix interference.
Affected Samples:
F7D210107 (5): B1MNH7
F7D210109 (1): B1MR35
F7D210109 (2): B1MR34
F7D210109 (4): B1MRL1
F7D210109 (6): B1MRJ9
F7D210109 (8): B1MR26
F7D210109 (11): B1MPL6
F7D210111 (6): B1ML33
F7D210111 (8): B1ML35

Orthophosphate by EPA 365.2

The associated samples were originally analyzed within holding time by ion chromatography. However, due to CCV failure, the samples required a reanalysis. The reanalysis was performed outside of holding time by EPA 365.2. Please refer to included IRF 07-055 (two additional samples have been added to the IRF). Results are reported in batches 7114133 and 7130279.
Affected Samples:
F7D190178 (1): B1MD28
F7D190178 (3): B1MD64
F7D190178 (5): B1MD69

Cyanide

The MS recovery in batch 7121129 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F7D210109 (8): B1MR26

Total Organic Carbon

The associated sample's TOC container was received by the laboratory broken. The analysis was performed using an aliquot from the TOX container. Please refer to included IRF 07-043.
Affected Samples:
F7D210111 (11): B1ML40

SEVERN TRENT STL

STL St. Louis
13715 Rider Trail North
Earth City, MO 63045

Tel: 314 298 8566 Fax: 314 298 8757
www.stl-inc.com

Pacific Northwest National Laboratories
May 30, 2007
SDG: SL687

Total Organic Halogens

The sample duplicate RPD for TOX batch 7129095 is outside the established QC limits of 20%. RPD determinations are not useful for values near the reporting limit. Precision criteria for the concentrations near the reporting limits is +/- the reporting limit. The sample and the duplicate are within this criteria.

Affected Samples:

F7D200320 (1): B1MN79
F7D200320 (2): B1MN80
F7D200320 (3): B1MN81
F7D200320 (4): B1MN82

The associated sample's TOX container was received by the laboratory broken. The analysis was performed using an aliquot from the TOC container. Please refer to included IRF 07-041.

Affected Samples:

F7D210107 (3): B1MNH5

There were no observations or nonconformances to report for the following analyses:

Alkalinity
ICP Metals
ICP-MS Metals
Mercury

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

Reviewed and approved:

for
Brian O'Donnell
St. Louis Project Manager

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 07-042

Date: May 30, 2007 SAF Nos. W07-003

SDG: **SL687** LOGIN No.: **F7D210111-008** TEST: Phenols 8040

Sample No.(s) B1ML35

Submitted By: Brian O'Donnell Submitted To: Dot Stewart (PNNL)

Phone No. 314-298-8566 x206 Phone No. 509-376-5056 (Stewart)

Fax No. 314-298-8757 Fax No. 509-372-1704

ISSUE	PROPOSED RESOLUTION
One of three liter sample containers received broken.	1)Proceed with analysis using remaining containers. Assign QC for phenols to another sample in the SDG.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.
Heidi Hampt for Dot Stewart 5/8/07
Signature and Date

XC: Ron Butler

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 07-043

Date: May 30, 2007 SAF Nos. W07-003

SDG: **SL687** LOGIN No.: **F7D210111-011** TEST: TOC

Sample No.(s) B1ML40

Submitted By: Brian O'Donnell Submitted To: Dot Stewart (PNNL)

Phone No. 314-298-8566 x206 Phone No. 509-376-5056 (Stewart)

Fax No. 314-298-8757 Fax No. 509-372-1704

ISSUE	PROPOSED RESOLUTION
Sample container for TOC received broken.	1) Proceed with analysis using TOX bottle. 2) Cancel analysis. .

BHI/WMH/PNNL COMMENTS
Accept proposed resolution 1. Please use the TOX bottle.
Heidi Hampt for Dot Stewart 5/8/07
Signature and Date

XC: Ron Butler

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 07-041

Date: May 30, 2007 SAF Nos. W07-003

SDG: **SL687** LOGIN No.: **F7D210107-003** TEST: TOX

Sample No.(s) B1MNH5

Submitted By: Brian O'Donnell Submitted To: Dot Stewart (PNNL)

Phone No. 314-298-8566 x206 Phone No. 509-376-5056 (Stewart)

Fax No. 314-298-8757 Fax No. 509-372-1704

ISSUE	PROPOSED RESOLUTION
Sample container for TOX received broken.	1) Proceed with analysis using TOC bottle. 2) Cancel analysis. .

BHI/WMH/PNNL COMMENTS

Accept proposed resolution 1. Please use the TOC bottle.

Heidi Hampt for Dot Stewart 5/8/07

Signature and Date

XC: Ron Butler

STL – St Louis ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/WMH/PNNL

PNNL TRACKING NUMBER: 07-055

Date: May 23, 2007 SAF Nos. G07-003

SDG: **SL687** LOGIN No.: **F7D190178** TEST: Orthophosphate

Sample No.(s) B1MD64, B1MD64, B1MD69

Submitted By: Brian O'Donnell (JMK) Submitted To: Dot Stewart (PNNL)

Phone No. 314-298-8566 x206 Phone No. 509-376-5056 (Stewart)

Fax No. 314-298-8757 Fax No. 509-372-1704

ISSUE	PROPOSED RESOLUTION
The associated sample was originally analyzed within holding time by ion chromatography. However, due to CCV failure, the sample required a reanalysis. The reanalysis was performed outside of holding time by EPA method 365.2. Two additional samples added to IRF on 5/25/07.	Report results and note hold time issue in case narrative.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt for Dot Stewart 5/23/07
Signature and Date

XC: Ron Butler

METHODS SUMMARY

SL687

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015 MOD	SW846 3510
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Phenols by GC	SW846 8040A	SW846 3520
Phosphate, ortho as P (365.2)	MCAWW 365.2	
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Petroleum Hydrocarbons	SW846 8015 MOD	SW846 5030

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SL687 : F7D180186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT5GR	001	B1MRC4	04/17/07	08:27
JT5G8	002	B1MRC5	04/17/07	08:27
JT5HN	003	B1MRC8	04/17/07	09:16
JT5HP	004	B1MRC9	04/17/07	09:16
JT5HQ	005	B1MRF4	04/17/07	11:00
JT5HT	006	B1MRF5	04/17/07	11:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D190150

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT75W	001	B1MF95	04/18/07	13:31
JT750	002	B1MM55	04/18/07	09:26

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D190178

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT8D5	001	B1MD28	04/18/07	11:16
JT8EE	002	B1MD63	04/18/07	09:43
JT8EF	003	B1MD64	04/18/07	09:43
JT8E5	004	B1MD68	04/18/07	11:58
JT8E9	005	B1MD69	04/18/07	11:58

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D190186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT8FQ	001	B1MDB8	04/18/07	11:16

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D190187

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT8F0	001	B1M6D5	04/18/07	09:26

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D200307

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVC86	001	B1MRF8	04/19/07	12:55
JVC89	002	B1MRF9	04/19/07	12:55
JVC9D	003	B1MRH2	04/19/07	08:00
JVC9E	004	B1MRH3	04/19/07	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D200312

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVDAH	001	B1MM56	04/19/07	09:47
JVDA4	002	B1MFB9	04/19/07	10:55
JVDA8	003	B1MFC0	04/19/07	10:55
JVDCT	004	B1MFF2	04/19/07	12:37
JVDC1	005	B1MFF3	04/19/07	12:37
JVDC9	006	B1MFD4	04/19/07	09:47
JVDDF	007	B1MFD5	04/19/07	09:47
JVDD1	008	B1MFD8	04/19/07	11:49
JVDD4	009	B1MFD9	04/19/07	11:49

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D200320

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVDE0	001	B1MN79	04/19/07	12:55
JVDE2	002	B1MN80	04/19/07	12:55
JVDE4	003	B1MN81	04/19/07	12:55
JVDE5	004	B1MN82	04/19/07	12:55
JVDE6	005	B1MN83	04/19/07	12:55
JVDE8	006	B1MN84	04/19/07	08:00
JVDFA	007	B1MN85	04/19/07	08:00
JVDFD	008	B1MN86	04/19/07	08:00
JVDFE	009	B1MN87	04/19/07	08:00
JVDFF	010	B1MN88	04/19/07	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D210107

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVEP5	001	B1MNH3	04/20/07	12:03
JVEP6	002	B1MNH4	04/20/07	12:03
JVEP7	003	B1MNH5	04/20/07	12:03
JVEP8	004	B1MNH6	04/20/07	12:03
JVEP9	005	B1MNH7	04/20/07	12:03
JVEQA	006	B1MNV3	04/20/07	11:04

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D210109

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVEQC	001	B1MR35	04/20/07	12:30
JVEQD	002	B1MR34	04/20/07	12:30
JVEQE	003	B1MRL0	04/20/07	10:24
JVEQF	004	B1MRL1	04/20/07	10:24
JVEQG	005	B1MRJ8	04/20/07	09:28
JVEQH	006	B1MRJ9	04/20/07	09:28
JVEQJ	007	B1MR25	04/20/07	13:00
JVEQK	008	B1MR26	04/20/07	13:00
JVEQL	009	B1MPL9	04/20/07	12:03
JVEQN	010	B1MPL5	04/20/07	11:04
JVEQP	011	B1MPL6	04/20/07	11:04

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D210111

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVERC	001	B1ML28	04/20/07	09:15
JVERD	002	B1ML29	04/20/07	09:15
JVERE	003	B1ML30	04/20/07	09:15
JVERF	004	B1ML31	04/20/07	09:15
JVERG	005	B1ML32	04/20/07	09:15
JVERJ	006	B1ML33	04/20/07	09:15
JVERM	007	B1ML34	04/20/07	07:30
JVERN	008	B1ML35	04/20/07	07:30
JVERV	009	B1ML38	04/20/07	07:30
JVERX	010	B1ML39	04/20/07	07:30
JVER0	011	B1ML40	04/20/07	07:30
JVER2	012	B1ML41	04/20/07	07:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

SL687 : F7D210112

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVETC	001	B1MM57	04/20/07	09:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-168

Page 1 of 1

Collector: R. Sickle	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	Logbook: HNF-N-506-8	Ice Chest No.: SML-125 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 5445 5552
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRC4 (F)		W	4/17/07	0827	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRC4 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRC5		W	↓	↓	1x20-mL P	Activity Scan	None
B1MRC5		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 4/17/07

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R.T. Sickle	APR 17 2007 1430	FEDEX	APR 17 2007
FEDEX	4-18-07	Angela Benson	4-18-07 9:25

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-174

Page 1 of 1

Collector: R. Sickle	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. APRIL 2007	Logbook: HNF-N-506-8	Ice Chest No.: SML-125 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 5415 5552
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRC8 (F)		W	4/17/06	0916	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRC8 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRC9		W	↓	↓	1x20-mL P	Activity Scan	None
B1MRC9		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 4/17/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. Sickle			APR 17 2007 1430	FEDEX			
FEDEX			4-18-07	Angela Brown			4-18-07 9:25

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-198

Page 1 of 1

Collector: R. Sickle	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. APRIL 2007	Logbook: HNF-N-506-8	Ice Chest No.: SML-125 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 5415 3552
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRF4 (F)		W	4/17/07	1100	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRF4 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRF5		W	↓	↓	1x20-mL P	Activity Scan	None
B1MRF5		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 4/17/07

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. Sickle	1430	FEDEX	
FEDEX	4-18-07	Angela Burson	4-18-07 9:25

APR 17 2007

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	798654155552	**Reference**	SML-125
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 17, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 18, 2007 9:17 AM	**Service type**	Priority Overnight
		Weight	45.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 18, 2007	9:17 AM	**Delivered**	Earth City, MO	
	6:44 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:37 AM	At local FedEx facility	EARTH CITY, MO	
	12:48 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 17, 2007	5:35 PM	Left origin	PASCO, WA	
	3:54 PM	Picked up	PASCO, WA	
	3:36 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English		
	English		
	English		
	English		

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS [redacted] STL St. Louis

Lot #(s): F7D180186

- 6513 -

Condition Upon Receipt Form AB 4-18-07

Client: STL - Richland COC/RFA No: S07-004 / AHA AB 4-18-07 Date 4-18-07

Quote No: ~~74239~~ 80 74859 4/18 Initiated By: AB Time: 9:25

Shipping Information

AB 4-18-07

Shipper Name: Fed Ex Multiple Packages (Y) N N/A

Shipping # (s):* Sample Temperature (s):**

1. 7907 1881 1740 6. 1. 2 6.
2. ~~7986 5445 5552~~ 4-18-07 7. 2. 2 AB 4-18-07 7.
3. 8. Inadvertently lined 3. 8.
4. 9. out. JM 05-29-07 4. 9.
5. 10. 5. 10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	Y N (N/A)	Was sample received with proper pH[1] ? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	(Y) N	If N/A-Was pH taken by original STL Lab?	10.	Y (N)	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y N (N/A)	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N AB	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y N (N/A) AB	Do custody seals on bottles appear to be tampered with?
7.	Y (N)	Were contents of the cooler frisked after opening	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

COCs: S07-004-168, 174, 198.
JM
05-29-07

Corrective Action:

- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-239

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 6WO-GG-011
Project Title: SURV. MARCH 2007	HNF-N-509-9	Ice Chest No.: 116-17 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-5534-6718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MF95 (F)		W	4/18/7	1331	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MF95 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MF96		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			APR 18 2007 / 1400	FED EX		APR 18 2007	
FEDEX			4-19-07	B-A-1			4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-365

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 6W0-06-011
Project Title: SURV, MARCH 2007	HNF-N-506-9	Ice Chest No.: 1167 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-5534-6718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MM55		W	4/18/7	0926	1x20-mL P	Activity Scan	None
B1MM55		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			APR 18 2007 / 1400	FEDEX			APR 18 2007
FEDEX			4-19-07	B-A			4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	798155346718	**Reference**	gwo-06-11
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 18, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 19, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	58.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 19, 2007	8:49 AM	**Delivered**	Earth City, MO	
	6:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:34 AM	At local FedEx facility	EARTH CITY, MO	
	5:25 AM	At dest sort facility	BERKELEY, MO	
	4:15 AM	Departed FedEx location	MEMPHIS, TN	
	1:08 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 18, 2007	5:28 PM	Left origin	PASCO, WA	
	4:11 PM	Picked up	PASCO, WA	
	3:59 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: _____ **Your E-mail Address:** _____

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D190150
- 1133 - 178
186
187

Condition Upon Receipt Form

Client: PNNL
Quote No: 74337, 74707, 74792, 74225
COC/RFA No: see below
Initiated By: BO
Date: 4/19/07
Time: 0850

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7981 5534 6718
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 3
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-239,345, I07-026-70, I07-031-7, G07-003-56, 114, 122

Corrective Action:
- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL687

STL ST. LOUIS

PNNL SL687

Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # G07-003-56

Page 1 of 1

Collector: R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: G07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 1NR2-RB, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: GW0-06-11 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 798155346718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MD28		W	4/18/07	1116	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1MD28		W	↓	↓	1x20-mL P	Activity Scan	None
B1MD28		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MD28		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: Citrate (1)	Cool 4C

R Wall 4/18/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			APR 18 2007 1430	FEDEX			
FEDEX			4-19-07	B-D			4/19/07 0850

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

SDG# PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # G07-003-114

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: G07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 1NR2-RB, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: 6000-06-11 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 79815534 6718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MD63 (F)		W	4/18/07	0943	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MD64		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1MD64		W			1x20-mL P	Activity Scan	None
B1MD64		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MD64		W			3x1000-mL aG	TPH-Diesel Range - WTPH-D	HCl to pH <2 Cool 4C

R. Wells 4/18/07

Relinquished By	Date/Time	Received By	Date/Time
Fluor Hanford R. T. SICKLE (Print) (Sign)	APR 18 2007 1430	FEDEX (Print) (Sign)	
FEDEX	4/18/07	B-A-1	4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

SDG# SL687

58165

PNNL SL687

Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # G07-003-122

Page 1 of 1

Collector: R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: G07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 1NR2-RB, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: 6W0-06-11 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5534 6718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MD68 (F)		W	4/18/07	1158	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MD69		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1MD69		W	↓	↓	1x20-mL P	Activity Scan	None

D. Wall 4/18/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			APR 18 2007 1430	FEDEX			
FEDEX			4-19-07	B-Di			4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

35 of 261

Track Shipments
Detailed Results

Quick Help

Tracking number	798155346718	**Reference**	gwo-06-11
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 18, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 19, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	58.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 19, 2007	8:49 AM	**Delivered**	Earth City, MO	
	6:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:34 AM	At local FedEx facility	EARTH CITY, MO	
	5:25 AM	At dest sort facility	BERKELEY, MO	
	4:15 AM	Departed FedEx location	MEMPHIS, TN	
	1:08 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 18, 2007	5:28 PM	Left origin	PASCO, WA	
	4:11 PM	Picked up	PASCO, WA	
	3:59 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D190150
- 1133 - 178
186
187

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See below Date: 4/19/07
Quote No: 74337, 74707, 74792, 74225 Initiated By: BD Time: 0850

Shipping Information

Shipper Name: FE

Multiple Packages Y (N)

Shipping # (s):*

1. 7981 5534 6718
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified; EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-239,365, I07-026-70, I07-031-7, G07-003-56, 114, 122

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL6687

STL ST. LOUIS

PNNL 92687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-031-7

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: I07-031	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100NR2IAM-LOI, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: 6000-06-11 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5534 6718
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MDB8		W	4/18/07	1116	1x20-mL P	Activity Scan	None
B1MDB8		W	↓	↓	3x1000-mL aG	TPH-Diesel Range - WTPH-D	HCl to pH <2 Cool 4C
B1MDB8		W	↓	↓	4x40-mL aGs*	TPH-Gasoline Range - WTPH-G	HCl to pH <2 Cool 4C

R. Weller 4/18/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			APR 18 2007 1430	FEDEX			
FEDEX			4-19-07 0850	B-N			4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	798155346718	**Reference**	gwo-06-11
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 18, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 19, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	58.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Apr 19, 2007	8:49 AM	**Delivered**	Earth City, MO	
	6:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:34 AM	At local FedEx facility	EARTH CITY, MO	
	5:25 AM	At dest sort facility	BERKELEY, MO	
	4:15 AM	Departed FedEx location	MEMPHIS, TN	
	1:08 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 18, 2007	5:28 PM	Left origin	PASCO, WA	
	4:11 PM	Picked up	PASCO, WA	
	3:59 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D190150
- 1133 - 178
186
187

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See below Date: 4/19/07
Quote No: 74337, 74707, 74792, 74225 Initiated By: BD Time: 0850

Shipping Information

Shipper Name: FE Multiple Packages Y (N)

Shipping # (s):*

1. 7981 5534 6718
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-239,365, I07-026-70, I07-031-7, G07-003-56, 114, 122

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: If released, notify:

Project Management Review: Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\SIsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL687

STL ST. LOUIS

PNNL 5L687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-026-70

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: I07-026	Sampling Origin: Hanford Site	Purchase Order/Charge Code: GWO-06-011
Project Title: 2UP1-LOI, FEBRUARY 2007	HNF-N-506-9	Ice Chest No.: 1167 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-5534-6718
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Added 3 Extra VOA Bottles to C.O.C

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M6D5		W	4/18/7	0926	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool 4C
B1M6D5		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			APR 18 2007 / 1400	FED EX			APR 18 2007
FEDEX			4-19-07 0850	B-A-P			4/19/07 0850

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	798155346718	**Reference**	gwo-06-11
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 18, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 19, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	58.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 19, 2007	8:49 AM	**Delivered**	Earth City, MO	
	6:38 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:34 AM	At local FedEx facility	EARTH CITY, MO	
	5:25 AM	At dest sort facility	BERKELEY, MO	
	4:15 AM	Departed FedEx location	MEMPHIS, TN	
	1:08 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 18, 2007	5:28 PM	Left origin	PASCO, WA	
	4:11 PM	Picked up	PASCO, WA	
	3:59 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English		
	English		
	English		
	English		

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D190150
- 1133 - 178
186
187

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See below Date: 4/19/07
Quote No: 14337, 14707, 14792, 14225 Initiated By: BD Time: 0850

Shipping Information

Shipper Name: FE Multiple Packages Y (N)

Shipping # (s):*

1. 7981 5534 6718	6.	1. 3	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

Sample Temperature (s):**

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-239,345, I07-026-70, I07-031-7, G07-003-56, 114, 122

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: If released, notify:

Project Management Review: [signature] Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\SIsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL687

STL ST. LOUIS

PNNL 52687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-204

Page 1 of 1

Collector: Fluor Hanford D. P. CONNOLLY	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. APRIL 2007	HNF-N-508-7	Ice Chest No.: GRP-03-002 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7902 2936 8007
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRF8 (F)		W	4-19-07	1255	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRF8 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRF9		W			1x20-mL P	Activity Scan	None
B1MRF9		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

4-19-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Fluor Hanford D. P. CONNOLLY		APR 19 2007 1400	Fed Ex			
Relinquished By			Date/Time	Received By			Date/Time
			4-20-07				4/20/07 0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-205

Page 1 of 1

Collector FLUOR HANFORD M.R. WEIL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV, APRIL 2007	HNF-N-506-7	Ice Chest No. GRP 03-002 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7902 2936 8007
Protocol SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRH2 (F)		W	4-19-07	0800	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRH2 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRH3		W	↓	↓	1x20-mL P	Activity Scan	None
B1MRH3		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL			APR 19 2007	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-20-07	B-Dil			4/20/07 0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

Track Shipments
Detailed Results

Quick Help

Tracking number	790229368007	**Reference**	grp-03-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 19, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 20, 2007 9:13 AM	**Service type**	Priority Overnight
		Weight	83.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 20, 2007	9:13 AM	**Delivered**	Earth City, MO	
	6:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:48 AM	At local FedEx facility	EARTH CITY, MO	
Apr 19, 2007	5:29 PM	Left origin	PASCO, WA	
	4:16 PM	Picked up	PASCO, WA	
	3:34 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F70200307
- 1053 - 312
320

Condition Upon Receipt Form

Client: PNNL
Quote No: 74859, 74337, 74621
COC/RFA No: See below
Initiated By: BD
Date: 4/20/07
Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*
1. 7902 2936 8007
2. 798156364941 JW 05-29-07
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N

Sample Temperature (s):**
1. Rec'd in Temp.
2. ↓
3. JW 05-29-07
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-004-204, 205, W07-004-90, 91
2. S07-003-366, 149, 185, 173, 179

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL6[illegible]7

STL ST. LOUIS

PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-366

Collector: Fluor Hanford ~~D. R. BREWINGTON~~	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5636 4941
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MM56		W	4/19/07	0947	1x20-mL P	Activity Scan	None
B1MM56		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

R. Wood 4/19/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D R Brewington		APR 19 2007 1430	FEDEX			
FEDEX			4-2007	8-1-1			4/20/07 0915

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

SDG# SL687

STL ST. LOUIS

PNNL S4687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-149

Collector: Fluor Hanford, D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7781 5636 4941
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MFB9 (F)		W	4/19/07	1055	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MFC0		W	↓	↓	1x20-mL P	Activity Scan	None
B1MFC0		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MFC0		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MFC0		W	↓	↓	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

L. Woell 4/19/07

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford, D. R. BREWINGTON	APR 19 2007 1430	FEDEX	
FEDEX	4-20-07		4/20/07 0915

Matrix *

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

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

SDG# SL687

STL ST. LOUIS

PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-185

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5636 4944
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MFF2 (F)		W	4/19/07	1237	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MFF3		W	↓	↓	1x20-mL P	Activity Scan	None
B1MFF3		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MFF3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MFF3		W	↓	↓	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

J. Wall 4/19/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON		W. R. Brewington	APR 19 2007 1430	FEDEX			
FEDEX			4-20-07				4/20/07 0945

Matrix *

S = Soil		DS = Drum Solid	
SR = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-173

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5636 4941
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MFD4 (F)		W	4/19/07	0947	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MFD5		W	↓	↓	1x20-mL P	Activity Scan	None
B1MFD5		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MFD5		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MFD5		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

R. Wall 4/19/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D R Brewington		APR 19 2007 1430	FEDEX			
FEDEX			4-20-07	B-A-P			4/20/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # 49165
S07-003-179

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MARCH 2007	Logbook: HNF-N-506-8	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 5636 4941
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MFD8 (F)		W	4/19/07	1149	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MFD9		W	↓	↓	1x20-mL P	Activity Scan	None
B1MFD9		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MFD9		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MFD9		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

L. Wood 4/19/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON			APR 19 2007 1430				
FEDEX			4-20-07	B-P			4/20/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

Track Shipments
Detailed Results

Quick Help

Tracking number	798156364941	**Reference**	saws-101
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 19, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 20, 2007 9:13 AM	**Service type**	Priority Overnight
		Weight	48.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Apr 20, 2007	9:13 AM	**Delivered**	Earth City, MO	
	7:02 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:55 AM	At local FedEx facility	EARTH CITY, MO	
	5:30 AM	At dest sort facility	BERKELEY, MO	
	4:26 AM	Departed FedEx location	MEMPHIS, TN	
Apr 19, 2007	5:29 PM	Left origin	PASCO, WA	
	4:16 PM	Picked up	PASCO, WA	
	4:03 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: _____ **Your E-mail Address:** _____

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D200307
- 1053 - 312
320

Condition Upon Receipt Form

Client: PNNL
Quote No: 74859, 74337, 74621
COC/RFA No: See below
Initiated By: BD
Date: 4/20/07
Time: 0915

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7902 2936 8007
2. 7981 5636 4941
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. Rec'd in Temp
2. ↓
3. JM
4. 05-20-07
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-004-204, 205, W07-004-90, 91
2. S07-003-366, 149, 185, 173, 179

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

CUR 1053

SDG# SL687

STL ST. LOUIS

PNNL 51687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-004-90

Page 1 of 1

Collector: Fluor Hanford D. P. CONNOLLY	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, APRIL 2007	HNF-N-506-7	Ice Chest No.: GRP-03-002 Temp. 53
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7902 2936 8007
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MN79		W	4-19-07	1255	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN79		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN80		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN80		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN81		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN81		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN82		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN82		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN83		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1MN83		W			1x20-mL P	Activity Scan	None

4-19-07

Relinquished By	Received By
Print: Fluor Hanford D. P. CONNOLLY; Sign: [signature]; Date/Time: 1400 APR 19 2007	Print: Fed Ex; Sign: ; Date/Time:
Relinquished By: FEDEX; Date/Time: 4/20/07	Received By: [signature]; Date/Time: 4/20/07 0915
Relinquished By: ; Date/Time:	Received By: ; Date/Time:
Relinquished By: ; Date/Time:	Received By: ; Date/Time:

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

SDG# SL687

STL ST. LOUIS

PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-004-91

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, APRIL 2007	HNF-N-506-7	Ice Chest No.: GRP03-002 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7902 2936 8007
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MN84		W	4-19-07	0800	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1MN84		W			1x20-mL P	Activity Scan	None
B1MN85		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN85		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN86		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN86		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN87		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN87		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MN88		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MN88		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL	APR 19 2007 1400	FED EX	
FEDEX	4-20-07	B-[illegible]	4/20/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	790229368007	**Reference**	grp-03-002
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Apr 19, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 20, 2007 9:13 AM	**Service type**	Priority Overnight
		Weight	83.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Apr 20, 2007	9:13 AM	**Delivered**	Earth City, MO	
	6:57 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:48 AM	At local FedEx facility	EARTH CITY, MO	
Apr 19, 2007	5:29 PM	Left origin	PASCO, WA	
	4:16 PM	Picked up	PASCO, WA	
	3:34 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D200307
- 1053 - 312
320

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See below Date: 4/20/07
Quote No: 74859, 74337, 74621 Initiated By: BD Time: 0915

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N

Shipping # (s):*
1. 7402 2936 8007
2. 798156364941 05-29-07
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. Rec'd in Temp
2. ↓
3.
4. 05-29-07
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-004-204, 205, W07-004-90, 91
2. S07-003-366, 149, 185, 173, 179

Corrective Action:
- ☐ Client Contact Name: Informed by:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: If released, notify:

Project Management Review: [signature] Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-004-208

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, APRIL 2007	HNF-N-506-8	Ice Chest No.: SUCK 1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7996 2643 8911
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MNH3		W	4-20-07	1203	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNH3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNH4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNH4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNH5 broken	80 4/21	W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNH5		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNH6		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNH6		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNH7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MNH7		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1MNH7		W	✓	✓	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford D. R. BREWINGTON D. R. Brewington	APR 20 2007 1400	FEDEX	
FEDEX	4-21-07	B-R	4/21/07 0800

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

SDG# SL687

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-004-204

STL ST. LOUIS

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, APRIL 2007	HNF-N-506-8	Ice Chest No.: SLICK 1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7996 2643 8911
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MNV3		W	4-20-07	1104	1x20-mL P	Activity Scan	None
B1MNV3		W	↓	↓	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		APR 20 2007 1400	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-A			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	799626438911	**Reference**	slick-1
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	Apr 20, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 21, 2007 8:06 AM	**Service type**	Priority Overnight
		Weight	88.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 21, 2007	8:06 AM	**Delivered**	Earth City, MO	
	7:23 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:16 AM	At local FedEx facility	EARTH CITY, MO	
	5:17 AM	At dest sort facility	BERKELEY, MO	
	4:34 AM	Departed FedEx location	MEMPHIS, TN	
	1:02 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 20, 2007	8:18 PM	At local FedEx facility	SPOKANE, WA	
	5:29 PM	Left origin	PASCO, WA	
	3:42 PM	Package data transmitted to FedEx		
	3:41 PM	Picked up	PASCO, WA	

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: _____ **Your E-mail Address:** _____

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D210107
- 1062 - 109
111
112

Condition Upon Receipt Form

Client: PNOL
COC/RFA No: See below
Date: 4/21/07
Quote No: 74621, 74859, 74597, 74337
Initiated By: BD
Time: 0920

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N

Shipping # (s):*
1. 7929 7243 2234
2. 7996 2643 8911
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 3
2. 3
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-367, W07-003-506, 507
2. S07-004-77, 76, 248, 230, 330, 316, 310, W07-004-208, 204

The following samples were received broken

BIML35 1 LG
BIML40 1 250G
BIMNH5 1 LG

Corrective Action:
☐ Client Contact Name: Heidi Hunt Pat Stewart Informed by: Brian Olmell (see by email)
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Brian Olmell Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG#PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-77

Page 1 of 1

Collector: K.B.HUSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	HNF-N-506 2	Ice Chest No. SLICK-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7996 2643 8911
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MR35		W	4-20-07	1230	1x20-mL P	Activity Scan	None
B1MR35		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.B.HUSE			APR 20 2007 1400	FED			
FEDEX			4-21-07	B-Rip			4/21/07 0800

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-76

Page 1 of 1

Collector K.B. HULSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV. APRIL 2007	HNF-N-506 7	Ice Chest No. SLICK-1 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7996 2643 8911
Protocol SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MR34		W	4-20-07	1230	1x20-mL P	Activity Scan	None
B1MR34		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.B. HULSE			APR 20 2007 1400	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-Rip			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-248

Collector: K.B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	HNF-N-506 7	Ice Chest No: SLICK-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7996 2643 8911
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRL0 (F)		W	4-20-07	1024	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRL0 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRL1		W			1x20-mL P	Activity Scan	None
B1MRL1		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.B. HULSE			APR 20 2007 1400	FED EX			
Relinquished By	FEDEX 4-21-07		Date/Time	Received By	B-R		Date/Time 4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-230

Page 1 of 1

Collector: K.B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	HNF-N-506 7	Ice Chest No.: SL/CK-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7996 2643 8911
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MRJ8 (F)		W	4-20-07	0928	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MRJ8 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MRJ9		W			1x20-mL P	Activity Scan	None
B1MRJ9		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.B. HULSE			APR 20 2007 1400	FED Ex			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX 4-21-07				8-21			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-330

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-004	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV. APRIL 2007	HNF-N-506-8	**Ice Chest No** SLICK 1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7996 2643 8911
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MR25 (F)		W	4-20-07	1300	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MR26		W	↓	↓	1x20-mL P	Activity Scan	None
B1MR26		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MR26		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		APR 20 2007 1402	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-Bl			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG# SL687

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-316

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	HNF-N-506-8	Ice Chest No.: SLICK 1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 799626438911
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MPL9 (F)		W	4-20-07	1203	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MPL9 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MPM0		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		APR 20 2007 1400	FEDEX			
Relinquished By			Date/Time 4-21-07	Received By			Date/Time 4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SB = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

STL ST. LOUIS

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-004-310

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2007	HNF-N-506-8	Ice Chest No.: SLICK 1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7996 2643 8911
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MPL5 (F)		W	4-20-07	1104	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MPL5 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1MPL6		W	↓	↓	1x20-mL P	Activity Scan	None
B1MPL6		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		APR 20 2007 1400	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-N			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

Track Shipments
Detailed Results

Quick Help

Tracking number	799626438911	**Reference**	slick-1
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	Apr 20, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 21, 2007 8:06 AM	**Service type**	Priority Overnight
		Weight	88.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 21, 2007	8:06 AM	**Delivered**	Earth City, MO	
	7:23 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:16 AM	At local FedEx facility	EARTH CITY, MO	
	5:17 AM	At dest sort facility	BERKELEY, MO	
	4:34 AM	Departed FedEx location	MEMPHIS, TN	
	1:02 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 20, 2007	8:18 PM	At local FedEx facility	SPOKANE, WA	
	5:29 PM	Left origin	PASCO, WA	
	3:42 PM	Package data transmitted to FedEx		
	3:41 PM	Picked up	PASCO, WA	

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: **Your E-mail Address:**

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D210107
- 1062 109
111
112

Condition Upon Receipt Form

Client: DOL
Quote No: 74621, 74659, 74597, 74337
COC/RFA No: See below
Initiated By: BO
Date: 4/21/07
Time: 0900

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N

Shipping # (s):*

1. 7929 7243 2234	6.		
2. 7996 2643 8911	7.		
3.	8.		
4.	9.		
5.	10.		

Sample Temperature (s):**

1. 3	6.
2. 3	7.
3.	8.
4.	9.
5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-367, W07-003-506, 507
2. S07-004-77, 76, 248, 230, 330, 316, 310, W07-004-208, 204

The following samples were received broken
BIML35 1 LG
~~AT 80~~
BIML40 1 250G
BIMNH5 1 LG

Corrective Action:
☒ Client Contact Name: Heide Hewitt: Bt Stewart Informed by: Brian O'Donnell (ICF by email)
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Brian O'Donnell Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-506

Page 1 of 1

Collector: Fluor Hanford F.M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-6	Ice Chest No.: ~~609~~ 803 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929-7263-2234
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1ML28		W	4/20/07	0915	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML28		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML29		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML29		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML30		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML30		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML31		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML31		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML32 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1ML32 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1ML32 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1ML33		W			1x20-mL P	Activity Scan	None
B1ML33		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1ML33		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1ML33		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F.M. HALL			APR 20 2007 1400	FED EX			APR 20 2007
Relinquished By			Date/Time 4/21/07	Received By			Date/Time 4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

72 of 261

SDG# SL687

STL ST. LOUIS

PNNL SL687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-507

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester	Telephone No. MSIN FAX
SAF No. W07-003	Sampling Origin	Purchase Order/Charge Code
Project Title RCRA, MARCH 2007	HMF-N-506-6	Ice Chest No. 803 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment	Bill of Lading/Air Bill No. 7929-7263-2234
Protocol RCRA	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1ML34 (F)		W	4/20/7	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1ML34 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1ML34 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1ML35		W			1x20-mL P	Activity Scan	None
B1ML35		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1ML35		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1ML35 1 Broken BD 4/21		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1ML38		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML38		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML39		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML39		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML40		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML40 Broken BD 4/21		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1ML41		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML41		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			APR 20 2007 / 1400	FEDEX			APR 20 2007
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-A			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

Track Shipments
Detailed Results

Quick Help

Tracking number	792972632234	**Reference**	803
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	Apr 20, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 21, 2007 8:06 AM	**Service type**	Priority Overnight
		Weight	100.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
Apr 21, 2007	8:06 AM	**Delivered**	Earth City, MO	
	7:22 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:16 AM	At local FedEx facility	EARTH CITY, MO	
	5:17 AM	At dest sort facility	BERKELEY, MO	
	4:34 AM	Departed FedEx location	MEMPHIS, TN	
	1:02 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 20, 2007	8:18 PM	At local FedEx facility	SPOKANE, WA	
	5:29 PM	Left origin	PASCO, WA	
	3:41 PM	Picked up	PASCO, WA	
	2:40 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: _____ **Your E-mail Address:** _____

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D210107
- 1062 - 109
111
112

Condition Upon Receipt Form

Client: INL
Quote No: 74621, 74859, 74597, 74337
COC/RFA No: See below
Initiated By: BO
Date: 4/21/07
Time: 0920

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N

Shipping # (s):*
1. 7929 7263 2234
2. 7994 2643 8911
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. 3
2. 3
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-367, W07-003-506, 507
2. S07-004-77, 76, 248, 230, 330, 316, 310, W07-004-208, 204

The following samples were received broken

BIML35 1 LG
~~MT 34~~
BIML40 1 250G
BIMNH5 1 LG

BO 4-25-07
~~BIML35~~

Corrective Action:
☐ Client Contact Name: Heidi Hampt, Bob Stewart Informed by: Brian O'Donnell (IRF by email)
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Brian O'Donnell Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# SL687

STL ST. LOUIS

PNNL 54687

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-367

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MARCH 2007	HMF-M-506-6	Ice Chest No.: 803 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929-7263-2234
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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 Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MM57		W	4/20/7	0915	1x20-mL P	Activity Scan	None
B1MM57		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			APR 20 2007 1400	FEDEX			APR 20 2007
Relinquished By			Date/Time	Received By			Date/Time
FEDEX			4-21-07	B-1-9			4/21/07 0800
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

Track Shipments
Detailed Results

Quick Help

Tracking number	792972632234	**Reference**	803
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	Apr 20, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Apr 21, 2007 8:06 AM	**Service type**	Priority Overnight
		Weight	100.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time		Activity	Location	Details
Apr 21, 2007	8:06 AM	**Delivered**	Earth City, MO	
	7:22 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:16 AM	At local FedEx facility	EARTH CITY, MO	
	5:17 AM	At dest sort facility	BERKELEY, MO	
	4:34 AM	Departed FedEx location	MEMPHIS, TN	
	1:02 AM	Arrived at FedEx location	MEMPHIS, TN	
Apr 20, 2007	8:18 PM	At local FedEx facility	SPOKANE, WA	
	5:29 PM	Left origin	PASCO, WA	
	3:41 PM	Picked up	PASCO, WA	
	2:40 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: _____ **Your E-mail Address:** _____

E-mail address	Language	Exception updates	Delivery updates
	English	☐	☐
	English	☐	☐
	English	☐	☐
	English	☐	☐

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

☐ By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

STL ST. LOUIS

STL

Lot #(s): F7D210107
- 1062 - 109
111
112

Condition Upon Receipt Form

Client: PNNL
Quote No: 74621, 74859, 74597, 74337
COC/RFA No: See below
Initiated By: BD
Date: 4/21/07
Time: 0900

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7929 7263 2234
2. 7946 2643 8911
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N
Sample Temperature (s):**
1. 3
2. 3
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes: 1. S07-003-367, W07-003-504, 507
2. S07-004-77, 76, 248, 230, 330, 316, 310, W07-004-208, 204

The following samples were received broken

BIML35 1 LG
BIML40 1 250G
BIMNH5 1 LG

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: [signature] Date: 4-25-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

VOLATILES

Pacific Northwest National Laboratory

Client Sample ID: B1MM55

GC/MS Volatiles

Lot-Sample #...: F7D190150-002 **Work Order #...:** JT7501AC **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**2.2**	**1.0**	**ug/L**	**0.60**
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	94	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

Pacific Northwest National Laboratory

B1MM55

GC/MS Volatiles

Lot-Sample #: F7D190150-002 **Work Order #:** JT7501AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1M6D5

GC/MS Volatiles

Lot-Sample #...: F7D190187-001 **Work Order #...:** JT8F01AC **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	1.5
Acrolein	ND	10	ug/L	0.44
Bromodichloromethane	ND	1.0	ug/L	0.064
Bromoform	ND	1.0	ug/L	0.12
Bromomethane	ND	2.0	ug/L	0.085
Chlorobenzene	ND	1.0	ug/L	0.027
Chloroprene	ND	1.0	ug/L	0.046
Dibromochloromethane	ND	1.0	ug/L	0.11
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.55
Chloroethane	ND	2.0	ug/L	0.050
Chloromethane	ND	2.0	ug/L	0.048
Allyl chloride	ND	2.0	ug/L	0.047
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.12
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.43
Dichlorodifluoromethane	ND	2.0	ug/L	0.045
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.056
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.050
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	20	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Ethyl methacrylate	ND	1.0	ug/L	0.66
Trichlorofluoromethane	ND	1.0	ug/L	0.032
2-Hexanone	ND	5.0	ug/L	1.0
Iodomethane	ND	2.0	ug/L	0.13
Isobutanol	ND	20	ug/L	29
Methacrylonitrile	ND	5.0	ug/L	0.30
Methyl methacrylate	ND	1.0	ug/L	0.84
Styrene	ND	1.0	ug/L	0.044
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.045
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.14
1,2,3-Trichloropropane	ND	1.0	ug/L	0.24
Vinyl acetate	ND	2.0	ug/L	0.72
Vinyl chloride	ND	2.0	ug/L	0.044

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1M6D5

GC/MS Volatiles

Lot-Sample #...: F7D190187-001 **Work Order #...:** JT8F01AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**2.6**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	**11**	**1.0**	**ug/L**	**0.039**
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.37 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	100	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1M6D5

GC/MS Volatiles

Lot-Sample #: F7D190187-001 **Work Order #:** JT8F01AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MM56

GC/MS Volatiles

Lot-Sample #...: F7D200312-001 **Work Order #...:** JVDAH1AC **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**3.0**	**1.0**	**ug/L**	**0.60**
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	91	(75 - 114)

Pacific Northwest National Laboratory

B1MM56

GC/MS Volatiles

Lot-Sample #: F7D200312-001 **Work Order #:** JVDAH1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MFC0

GC/MS Volatiles

Lot-Sample #...: F7D200312-003 **Work Order #...:** JVDA81AC **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**0.10 J**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.25 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	94	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	88	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MFC0

GC/MS Volatiles

Lot-Sample #: F7D200312-003 **Work Order #:** JVDA81AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MFF3

GC/MS Volatiles

Lot-Sample #...: F7D200312-005 **Work Order #...:** JVDC11AC **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.97 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	94	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MFF3

GC/MS Volatiles

Lot-Sample #: F7D200312-005 **Work Order #:** JVDC11AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MFD5

GC/MS Volatiles

Lot-Sample #...: F7D200312-007 **Work Order #...:** JVDDF1AC **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	**0.14 J**	**1.0**	**ug/L**	**0.048**
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**1.1**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	93	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MFD5

GC/MS Volatiles

Lot-Sample #: F7D200312-007 **Work Order #:** JVDDF1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MFD9

GC/MS Volatiles

Lot-Sample #...: F7D200312-009 **Work Order #...:** JVDD41AC **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**0.45 J**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**1.4**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	90	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MFD9

GC/MS Volatiles

Lot-Sample #: F7D200312-009 **Work Order #:** JVDD41AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1ML33

GC/MS Volatiles

Lot-Sample #...: F7D210111-006 **Work Order #...:** JVERJ1AD **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**2.1**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	**0.19 J**	**1.0**	**ug/L**	**0.035**
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.45 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	102	(82 - 130)
1,2-Dichloroethane-d4	95	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1ML33

GC/MS Volatiles

Lot-Sample #: F7D210111-006 **Work Order #:** JVERJ1AD **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1ML33

GC/MS Volatiles

Lot-Sample #...: F7D210111-006 **Work Order #...:** JVERJ2AD **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7120454
Dilution Factor: 10 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**63 D**	**10**	**ug/L**	**0.39**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	90	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1ML35

GC/MS Volatiles

Lot-Sample #...: F7D210111-008 **Work Order #...:** JVERN1AD **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7117131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	90	(75 - 114)

Pacific Northwest National Laboratory

B1ML35

GC/MS Volatiles

Lot-Sample #: F7D210111-008 **Work Order #:** JVERN1AD **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Pacific Northwest National Laboratory

Client Sample ID: B1MM57

GC/MS Volatiles

Lot-Sample #...: F7D210112-001 **Work Order #...:** JVETC1AC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7120454
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	93	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

Pacific Northwest National Laboratory

B1MM57

GC/MS Volatiles

Lot-Sample #: F7D210112-001 **Work Order #:** JVETC1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AA **Matrix.....:** WATER
MB Lot-Sample #: F7D270000-131

Prep Date.....: 04/25/07
Analysis Date..: 04/25/07 **Prep Batch #...:** 7117131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	20	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	**0.16 J**	**1.0**	**ug/L**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	94	(73 - 137)
4-Bromofluorobenzene	94	(75 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JV0V71AA **Matrix.....:** WATER
MB Lot-Sample #: F7D300000-454

Prep Date.....: 04/26/07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7120454
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	98	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
4-Bromofluorobenzene	92	(75 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7D300000-454 B **Work Order #:** JV0V71AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D270000-131 JVRH41AD-LCSD
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7117131
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.2	ug/L	102	2.1	SW846 8260B
Dibromochloromethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.8	ug/L	108	2.4	SW846 8260B
Chloromethane	10.0	8.89	ug/L	89		SW846 8260B
	10.0	8.85	ug/L	88	0.45	SW846 8260B
Bromomethane	10.0	11.4	ug/L	114		SW846 8260B
	10.0	10.7	ug/L	107	7.0	SW846 8260B
Chloroethane	10.0	9.99	ug/L	100		SW846 8260B
	10.0	9.96	ug/L	100	0.34	SW846 8260B
1,1-Dichloroethene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.8	ug/L	108	0.55	SW846 8260B
1,2-Dichloroethene (total)	20.0	20.4	ug/L	102		SW846 8260B
	20.0	20.5	ug/L	102	0.29	SW846 8260B
1,2-Dichloropropane	10.0	9.59	ug/L	96		SW846 8260B
	10.0	9.29	ug/L	93	3.1	SW846 8260B
Bromodichloromethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.89	ug/L	99	1.7	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	1.6	SW846 8260B
2-Hexanone	10.0	9.20	ug/L	92		SW846 8260B
	10.0	9.18	ug/L	92	0.23	SW846 8260B
Chlorobenzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	1.0	SW846 8260B
Bromoform	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.8	ug/L	108	2.7	SW846 8260B
Ethylbenzene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.4	ug/L	104	0.57	SW846 8260B
Styrene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.6	ug/L	106	1.3	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.51	ug/L	95	3.6	SW846 8260B
Allyl chloride	10.0	9.29	ug/L	93		SW846 8260B
	10.0	8.71	ug/L	87	6.4	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.57	ug/L	96		SW846 8260B
	10.0	9.13	ug/L	91	4.7	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D270000-131 JVRH41AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.3	ug/L	103	1.9	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.17	ug/L	92	8.0	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.2	ug/L	112	2.0	SW846 8260B
Ethyl methacrylate	10.0	9.43	ug/L	94		SW846 8260B
	10.0	8.68	ug/L	87	8.3	SW846 8260B
Methyl methacrylate	10.0	9.16	ug/L	92		SW846 8260B
	10.0	8.74	ug/L	87	4.7	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	1.6	SW846 8260B
Trichlorofluoromethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.96	ug/L	100	1.9	SW846 8260B
Acetonitrile	50.0	44.4	ug/L	89		SW846 8260B
	50.0	35.4 p	ug/L	71	22	SW846 8260B
Iodomethane	10.0	9.81	ug/L	98		SW846 8260B
	10.0	9.72	ug/L	97	0.92	SW846 8260B
Vinyl acetate	10.0	12.3	ug/L	123		SW846 8260B
	10.0	12.6	ug/L	126	2.5	SW846 8260B
Acrolein	50.0	16.5	ug/L	33		SW846 8260B
	50.0	18.2	ug/L	36	9.8	SW846 8260B
Isobutanol	200	191	ug/L	95		SW846 8260B
	200	193	ug/L	96	0.93	SW846 8260B
Methacrylonitrile	50.0	53.0	ug/L	106		SW846 8260B
	50.0	50.3	ug/L	101	5.1	SW846 8260B
1,4-Dioxane	200	199	ug/L	99		SW846 8260B
	200	188	ug/L	94	5.5	SW846 8260B
Chloroprene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.4	ug/L	104	1.2	SW846 8260B
Vinyl chloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.3	ug/L	103	0.0	SW846 8260B
Acetone	10.0	8.57	ug/L	86		SW846 8260B
	10.0	7.94	ug/L	79	7.6	SW846 8260B
Methylene chloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.94	ug/L	99	3.1	SW846 8260B
Carbon disulfide	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.0	ug/L	100	0.29	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D270000-131 JVRH41AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.84	ug/L	98		SW846 8260B
	10.0	9.54	ug/L	95	3.1	SW846 8260B
2-Butanone	10.0	9.33	ug/L	93		SW846 8260B
	10.0	9.24	ug/L	92	0.92	SW846 8260B
Chloroform	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	0.89	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	1.7	SW846 8260B
Propionitrile	50.0	48.7	ug/L	97		SW846 8260B
	50.0	43.5	ug/L	87	11	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	1.1	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.85	ug/L	98	2.1	SW846 8260B
Carbon tetrachloride	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.87	ug/L	99	1.8	SW846 8260B
1,2-Dichloroethane	10.0	9.50	ug/L	95		SW846 8260B
	10.0	9.19	ug/L	92	3.4	SW846 8260B
Benzene	10.0	9.72	ug/L	97		SW846 8260B
	10.0	9.60	ug/L	96	1.3	SW846 8260B
Trichloroethene	10.0	9.71	ug/L	97		SW846 8260B
	10.0	9.42	ug/L	94	3.0	SW846 8260B
4-Methyl-2-pentanone	10.0	9.76	ug/L	98		SW846 8260B
	10.0	9.21	ug/L	92	5.8	SW846 8260B
1,1,2-Trichloroethane	10.0	9.89	ug/L	99		SW846 8260B
	10.0	9.77	ug/L	98	1.2	SW846 8260B
Tetrachloroethene	10.0	9.05	ug/L	91		SW846 8260B
	10.0	8.90	ug/L	89	1.7	SW846 8260B
Tetrahydrofuran	50.0	53.6	ug/L	107		SW846 8260B
	50.0	52.6	ug/L	105	1.9	SW846 8260B
1,4-Dichlorobenzene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	9.51	ug/L	95	3.6	SW846 8260B
1-Butanol	100	111	ug/L	111		SW846 8260B
	100	95.9	ug/L	96	14	SW846 8260B
Toluene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.99	ug/L	100	1.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(90 - 118)
	105	(90 - 118)
Dibromofluoromethane	103	(83 - 125)
	102	(83 - 125)
1,2-Dichloroethane-d4	97	(75 - 135)
	96	(75 - 135)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVRH41AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D270000-131 JVRH41AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	108	(78 - 119)
	105	(78 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JV0V71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D300000-454 JV0V71AD-LCSD
Prep Date.....: 04/26/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7120454
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.7	ug/L	107	6.2	SW846 8260B
Ethylbenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.4	ug/L	104	2.2	SW846 8260B
1,4-Dioxane	200	228	ug/L	114		SW846 8260B
	200	218	ug/L	109	4.4	SW846 8260B
Vinyl chloride	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.0	ug/L	110	8.1	SW846 8260B
Acetone	10.0	9.71	ug/L	97		SW846 8260B
	10.0	8.26	ug/L	83	16	SW846 8260B
Methylene chloride	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.1	ug/L	111	0.18	SW846 8260B
Carbon disulfide	10.0	9.96	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	3.0	SW846 8260B
1,1-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.96	ug/L	100	3.9	SW846 8260B
2-Butanone	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.9	ug/L	109	0.36	SW846 8260B
Chloroform	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.5	ug/L	105	0.38	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.6	ug/L	106	3.9	SW846 8260B
Propionitrile	50.0	53.7	ug/L	107		SW846 8260B
	50.0	50.9	ug/L	102	5.3	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.96	ug/L	100		SW846 8260B
	10.0	10.6	ug/L	106	5.9	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.89	ug/L	99	1.7	SW846 8260B
Carbon tetrachloride	10.0	9.96	ug/L	100		SW846 8260B
	10.0	9.85	ug/L	99	1.0	SW846 8260B
1,2-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.94	ug/L	99	4.9	SW846 8260B
Benzene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.98	ug/L	100	2.5	SW846 8260B
Trichloroethene	10.0	9.98	ug/L	100		SW846 8260B
	10.0	9.76	ug/L	98	2.2	SW846 8260B
4-Methyl-2-pentanone	10.0	11.4	ug/L	114		SW846 8260B
	10.0	10.7	ug/L	107	6.6	SW846 8260B
1,1,2-Trichloroethane	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.2	ug/L	102	5.4	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JV0V71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D300000-454 JV0V71AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**9.66**	**ug/L**	**97**		**SW846 8260B**
	10.0	**9.00**	**ug/L**	**90**	**7.0**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**57.6**	**ug/L**	**115**		**SW846 8260B**
	50.0	**57.1**	**ug/L**	**114**	**0.99**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.79**	**ug/L**	**98**		**SW846 8260B**
	10.0	**9.81**	**ug/L**	**98**	**0.18**	**SW846 8260B**
1-Butanol	**100**	**106**	**ug/L**	**106**		**SW846 8260B**
	100	**130 p**	**ug/L**	**130**	**21**	**SW846 8260B**
Toluene	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	10.0	**9.78**	**ug/L**	**98**	**2.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(90 - 118)
	107	(90 - 118)
Dibromofluoromethane	106	(83 - 125)
	107	(83 - 125)
1,2-Dichloroethane-d4	107	(75 - 135)
	103	(75 - 135)
4-Bromofluorobenzene	103	(78 - 119)
	112	(78 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT7501AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190150-002 JT7501AF-MSD
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7117131
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.8	ug/L	108	3.7	SW846 8260B
Ethylbenzene	ND	10.0	9.64	ug/L	96		SW846 8260B
	ND	10.0	9.82	ug/L	98	1.8	SW846 8260B
1,4-Dioxane	ND	200	191	ug/L	96		SW846 8260B
	ND	200	206	ug/L	103	7.6	SW846 8260B
Vinyl chloride	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.1	ug/L	111	5.5	SW846 8260B
Acetone	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	7.56	ug/L	76	16	SW846 8260B
Methylene chloride	2.2	10.0	11.9	ug/L	97		SW846 8260B
	2.2	10.0	12.3	ug/L	101	3.0	SW846 8260B
Carbon disulfide	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.6	ug/L	106	2.8	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.57	SW846 8260B
2-Butanone	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	12.1	ug/L	121	17	SW846 8260B
Chloroform	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.7	ug/L	107	0.75	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.7	ug/L	107	4.2	SW846 8260B
Propionitrile	ND	50.0	56.0	ug/L	112		SW846 8260B
	ND	50.0	54.3	ug/L	109	3.1	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.96	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.97	ug/L	100		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.5	SW846 8260B
Carbon tetrachloride	ND	10.0	9.72	ug/L	97		SW846 8260B
	ND	10.0	9.85	ug/L	98	1.3	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.7	SW846 8260B
Benzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.1	SW846 8260B
Trichloroethene	ND	10.0	9.48	ug/L	95		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.43	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	9.94	ug/L	99	0.04	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.31	ug/L	93		SW846 8260B
	ND	10.0	9.84	ug/L	98	5.6	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT7501AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190150-002 JT7501AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**8.14**	**ug/L**	**81**		**SW846 8260B**
	ND	**10.0**	**8.22**	**ug/L**	**82**	**0.89**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	87	(76 - 117)
	90	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
	97	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
	94	(73 - 137)
4-Bromofluorobenzene	87	(75 - 114)
	88	(75 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT8F01AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190187-001 JT8F01AE-MSD
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7117131
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.7	ug/L	107	2.5	SW846 8260B
Chloromethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	9.99	ug/L	100	3.4	SW846 8260B
Bromomethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.6	ug/L	116	2.0	SW846 8260B
Chloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.39	SW846 8260B
1,1-Dichloroethene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.5	ug/L	115	1.3	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	21.1	ug/L	105		SW846 8260B
	ND	20.0	21.4	ug/L	107	1.3	SW846 8260B
1,2-Dichloropropane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.57	SW846 8260B
Bromodichloromethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.8	ug/L	108	2.0	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.94	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.4	SW846 8260B
2-Hexanone	ND	10.0	9.04	ug/L	90		SW846 8260B
	ND	10.0	9.77	ug/L	98	7.8	SW846 8260B
Chlorobenzene	ND	10.0	9.47	ug/L	95		SW846 8260B
	ND	10.0	9.66	ug/L	97	2.0	SW846 8260B
Bromoform	ND	10.0	9.90	ug/L	99		SW846 8260B
	ND	10.0	10.3	ug/L	103	4.3	SW846 8260B
Ethylbenzene	ND	10.0	9.75	ug/L	97		SW846 8260B
	ND	10.0	9.89	ug/L	99	1.4	SW846 8260B
Styrene	ND	10.0	9.97	ug/L	100		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.7	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.40	ug/L	94	1.3	SW846 8260B
Dibromochloromethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.7	ug/L	107	3.0	SW846 8260B
Allyl chloride	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.3	ug/L	103	2.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	9.18	ug/L	92		SW846 8260B
	ND	10.0	9.39	ug/L	94	2.3	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT8F01AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190187-001 JT8F01AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.92	ug/L	99		SW846 8260B
	ND	10.0	10.0	ug/L	100	1.1	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	8.90	ug/L	89	4.4	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	10.5	ug/L	105	7.5	SW846 8260B
Ethyl methacrylate	ND	10.0	9.25	ug/L	93		SW846 8260B
	ND	10.0	9.71	ug/L	97	4.8	SW846 8260B
Methyl methacrylate	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.51	ug/L	95	6.1	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.60	ug/L	96		SW846 8260B
	ND	10.0	9.83	ug/L	98	2.4	SW846 8260B
Trichlorofluoromethane	ND	10.0	9.83	ug/L	98		SW846 8260B
	ND	10.0	9.64	ug/L	96	1.8	SW846 8260B
Acetonitrile	ND	50.0	48.1	ug/L	96		SW846 8260B
	ND	50.0	54.8	ug/L	110	13	SW846 8260B
Iodomethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.6	ug/L	106	0.47	SW846 8260B
Vinyl acetate	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	13.3	ug/L	133	3.4	SW846 8260B
Acrolein	ND	50.0	16.6	ug/L	33		SW846 8260B
	ND	50.0	16.7	ug/L	33	1.0	SW846 8260B
Isobutanol	ND	200	232	ug/L	116		SW846 8260B
	ND	200	228	ug/L	114	1.5	SW846 8260B
Methacrylonitrile	ND	50.0	59.6	ug/L	119		SW846 8260B
	ND	50.0	59.6	ug/L	119	0.01	SW846 8260B
1,4-Dioxane	ND	200	199	ug/L	99		SW846 8260B
	ND	200	211	ug/L	106	6.0	SW846 8260B
Chloroprene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.0	ug/L	110	0.45	SW846 8260B
Vinyl chloride	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.1	ug/L	111	2.4	SW846 8260B
Acetone	ND	10.0	9.90	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.1	SW846 8260B
Methylene chloride	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.1	SW846 8260B
Carbon disulfide	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.1	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT8F01AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190187-001 JT8F01AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.5	ug/L	105	0.19	SW846 8260B
2-Butanone	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	7.66	ug/L	77 p	36	SW846 8260B
Chloroform	2.6	10.0	13.4	ug/L	108		SW846 8260B
	2.6	10.0	13.3	ug/L	107	0.59	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.8	ug/L	108	3.8	SW846 8260B
Propionitrile	ND	50.0	55.6	ug/L	111		SW846 8260B
	ND	50.0	55.9	ug/L	112	0.48	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.5	ug/L	105	1.2	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.39	SW846 8260B
Carbon tetrachloride	11	10.0	20.7	ug/L	99		SW846 8260B
	11	10.0	21.0	ug/L	102	1.1	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.8	SW846 8260B
Benzene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.09	SW846 8260B
Trichloroethene	0.37	10.0	10.2	ug/L	98		SW846 8260B
	0.37	10.0	10.3	ug/L	99	1.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.74	ug/L	97	6.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.53	ug/L	95		SW846 8260B
	ND	10.0	9.60	ug/L	96	0.72	SW846 8260B
Tetrachloroethene	ND	10.0	8.33	ug/L	83		SW846 8260B
	ND	10.0	8.22	ug/L	82	1.3	SW846 8260B
Tetrahydrofuran	ND	50.0	56.5	ug/L	113		SW846 8260B
	ND	50.0	60.0	ug/L	120	5.9	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.02	ug/L	90		SW846 8260B
	ND	10.0	9.08	ug/L	91	0.75	SW846 8260B
1-Butanol	ND	100	118	ug/L	118		SW846 8260B
	ND	100	122	ug/L	122	2.8	SW846 8260B
Toluene	ND	10.0	8.68	ug/L	87		SW846 8260B
	ND	10.0	8.81	ug/L	88	1.5	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(76 - 117)
	88	(76 - 117)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JT8F01AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190187-001 JT8F01AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(82 - 130)
	98	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
	95	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)
	91	(75 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVN6L1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D260185-001 JVN6L1AF-MSD
Date Sampled...: 04/25/07 **Date Received..:** 04/26/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7120454
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.9	ug/L	109	4.4	SW846 8260B
Ethylbenzene	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.46	SW846 8260B
1,4-Dioxane	ND	200	191	ug/L	95		SW846 8260B
	ND	200	210	ug/L	105	9.3	SW846 8260B
Vinyl chloride	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.1	ug/L	111	1.7	SW846 8260B
Acetone	ND	10.0	8.87	ug/L	89		SW846 8260B
	ND	10.0	6.04	ug/L	60 p	38	SW846 8260B
Methylene chloride	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.49	SW846 8260B
Carbon disulfide	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.1	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.4	SW846 8260B
2-Butanone	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.5	ug/L	105	1.0	SW846 8260B
Chloroform	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.6	ug/L	106	2.7	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.0	SW846 8260B
Propionitrile	ND	50.0	52.0	ug/L	104		SW846 8260B
	ND	50.0	51.1	ug/L	102	1.8	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.38	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.90	ug/L	99	1.8	SW846 8260B
Carbon tetrachloride	ND	10.0	9.89	ug/L	99		SW846 8260B
	ND	10.0	9.70	ug/L	97	2.0	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.2	ug/L	102	5.0	SW846 8260B
Benzene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	2.7	SW846 8260B
Trichloroethene	0.24	10.0	10.1	ug/L	98		SW846 8260B
	0.24	10.0	9.61	ug/L	94	4.6	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.99	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.71	ug/L	97		SW846 8260B
	ND	10.0	9.56	ug/L	96	1.6	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL687 **Work Order #...:** JVN6L1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D260185-001 JVN6L1AF-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**8.17**	**ug/L**	**82**		**SW846 8260B**
	ND	**10.0**	**8.08**	**ug/L**	**81**	**1.1**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**59.6**	**ug/L**	**119**		**SW846 8260B**
	ND	**50.0**	**60.1**	**ug/L**	**120**	**0.80**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.74**	**ug/L**	**87**		**SW846 8260B**
	ND	**10.0**	**8.76**	**ug/L**	**88**	**0.24**	**SW846 8260B**
1-Butanol	**ND**	**100**	**108**	**ug/L**	**108**		**SW846 8260B**
	ND	**100**	**71.1**	**ug/L**	**71 p**	**41**	**SW846 8260B**
Toluene	**ND**	**10.0**	**8.61**	**ug/L**	**86**		**SW846 8260B**
	ND	**10.0**	**8.52**	**ug/L**	**85**	**1.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	88	(76 - 117)
	88	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
	94	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
	95	(73 - 137)
4-Bromofluorobenzene	86	(75 - 114)
	90	(75 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

VOLATILE PETROLEUM HYDROCARBONS

Pacific Northwest National Laboratory

Client Sample ID: B1MDB8

GC Volatiles

Lot-Sample #...: F7D190186-001 **Work Order #...:** JT8FQ2AD **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7114062
Dilution Factor: 1 **Method.....:** SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Volatile Petroleum Hydrocarbons	ND	0.10	mg/L	0.0095

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	80 *	(85 - 115)

NOTE(S):

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: SL687 **Work Order #...:** JVHJQ1AA **Matrix.....:** WATER
MB Lot-Sample #: F7D240000-062

Prep Date.....: 04/23/07
Analysis Date..: 04/23/07 **Prep Batch #...:** 7114062
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Volatile Petroleum Hydrocarbons	ND	0.10	mg/L	SW846 8015 MOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	85	(85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: SL687 **Work Order #...:** JVHJQ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D240000-062 JVHJQ1AD-LCSD
Prep Date.....: 04/23/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7114062
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Volatile Petroleum Hydroca	**1.00**	**0.727**	**mg/L**	**73**		**SW846 8015 MOD**
	1.00	**0.799**	**mg/L**	**80**	**9.4**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	100	(85 - 115)
	103	(85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: SL687 **Work Order #...:** JT8FQ1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190186-001 JT8FQ1AK-MSD
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7114062
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Volatile Petroleum Hydroc	**ND**	**1.00**	**0.803**	**mg/L**	**80**		**SW846 8015 MOD**
	ND	**1.00**	**0.766**	**mg/L**	**77**	**4.7**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Trifluorotoluene	88	(85 - 115)
	100	(85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

EXTRACTABLE PETROLEUM HYDROCARBONS

Pacific Northwest National Laboratory

Client Sample ID: B1MD64

GC Semivolatiles

Lot-Sample #...: F7D190178-003 **Work Order #...:** JT8EF1AC **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7110199
Dilution Factor: 1 **Method.....:** SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH - Diesel Range - WTPH-D	ND	0.50	mg/L	0.050

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	78	(16 - 150)

Pacific Northwest National Laboratory

Client Sample ID: B1MDB8

GC Semivolatiles

Lot-Sample #...: F7D190186-001 **Work Order #...:** JT8FQ1AC **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7110199
Dilution Factor: 1 **Method.....:** SW846 8015 MOD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
TPH - Diesel Range - WTPH-D	ND	0.50	mg/L	0.050

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	83	(16 - 150)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVA7Q1AA **Matrix.....:** WATER
MB Lot-Sample #: F7D200000-199

Prep Date.....: 04/20/07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7110199
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
TPH - Diesel Range - WTPH	ND	0.50	mg/L	SW846 8015 MOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	78	(73 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVA7Q1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7D200000-199
Prep Date.....: 04/20/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7110199
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH - Diesel Range - WTPH	**2.50**	**1.46**	**mg/L**	**58**	**SW846 8015 MO**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	79	(73 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JT8EF1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190178-003 JT8EF1AL-MSD
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7110199
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH - Diesel Range - WTPH	**ND**	**2.50**	**1.57**	**mg/L**	**63**		**SW846 8015 MOD**
	ND	**2.50**	**1.66**	**mg/L**	**67**	**6.0**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	90	(16 - 150)
	110	(16 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JT8FQ1AE-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D190186-001 JT8FQ1AF-MSD
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7110199
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH - Diesel Range - WTPH	**ND**	**2.50**	**1.66**	**mg/L**	**66**		**SW846 8015 MOD**
	ND	**2.50**	**1.92**	**mg/L**	**77**	**15**	**SW846 8015 MOD**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	100	(16 - 150)
	122	(16 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1MNV3

GC Semivolatiles

Lot-Sample #...: F7D210107-006 **Work Order #...:** JVEQA1AC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7115295
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichloro-phenol	ND	5.0	ug/L	2.2
2,4,6-Trichloro-phenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(55 - 118)
2-Fluorophenol	76	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1ML33

GC Semivolatiles

Lot-Sample #...: F7D210111-006 **Work Order #...:** JVERJ1AC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7115295
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichlorophenol	ND	5.0	ug/L	2.2
2,4,6-Trichlorophenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	75	(55 - 118)
2-Fluorophenol	71	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1ML35

GC Semivolatiles

Lot-Sample #...: F7D210111-008 **Work Order #...:** JVERN1AC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7115295
Dilution Factor: 1 **Method.....:** SW846 8040A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	2.2
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	2.2
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichlorophenol	ND	5.0	ug/L	2.2
2,4,6-Trichlorophenol	ND	5.0	ug/L	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	76	(55 - 118)
2-Fluorophenol	71	(40 - 98)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVLX41AA **Matrix.....:** WATER
MB Lot-Sample #: F7D250000-295

Prep Date.....: 04/25/07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7115295
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Chlorophenol	ND	5.0	ug/L	SW846 8040A
4-Chloro-3-methylphenol	ND	5.0	ug/L	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	SW846 8040A
2-Methylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,6-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,4-Dimethylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8040A
Dinoseb	ND	5.0	ug/L	SW846 8040A
2-Nitrophenol	ND	5.0	ug/L	SW846 8040A
4-Nitrophenol	ND	5.0	ug/L	SW846 8040A
Pentachlorophenol	ND	5.0	ug/L	SW846 8040A
Phenol	ND	5.0	ug/L	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	SW846 8040A
2,4,5-Trichlorophenol	ND	5.0	ug/L	SW846 8040A
2,4,6-Trichlorophenol	ND	5.0	ug/L	SW846 8040A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	85	(55 - 118)
2-Fluorophenol	76	(40 - 98)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVLX41AC **Matrix.....:** WATER
LCS Lot-Sample#: F7D250000-295
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7115295
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	100	82.2	ug/L	82	SW846 8040A
4-Chloro-3-methylphenol	100	87.3	ug/L	87	SW846 8040A
3-Methylphenol & 4-Methylphenol	100	84.9	ug/L	85	SW846 8040A
2-Methylphenol	100	83.9	ug/L	84	SW846 8040A
2,4-Dichlorophenol	100	82.9	ug/L	83	SW846 8040A
2,6-Dichlorophenol	100	84.4	ug/L	84	SW846 8040A
2,4-Dimethylphenol	100	85.3	ug/L	85	SW846 8040A
2,4-Dinitrophenol	100	89.7	ug/L	90	SW846 8040A
4,6-Dinitro-2-methylphenol	100	87.9	ug/L	88	SW846 8040A
Dinoseb	100	94.2	ug/L	94	SW846 8040A
2-Nitrophenol	100	86.2	ug/L	86	SW846 8040A
4-Nitrophenol	100	87.3	ug/L	87	SW846 8040A
Pentachlorophenol	100	83.3	ug/L	83	SW846 8040A
Phenol	100	83.3	ug/L	83	SW846 8040A
2,3,4,6-Tetrachlorophenol	100	93.5	ug/L	94	SW846 8040A
2,4,5-Trichloro-phenol	100	86.5	ug/L	87	SW846 8040A
2,4,6-Trichloro-phenol	100	90.6	ug/L	91	SW846 8040A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	90	(66 - 99)
2-Fluorophenol	82	(50 - 82)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVEQA1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D210107-006 JVEQA1AE-MSD
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7115295
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.6	77.8	ug/L	81		SW846 8040A
	ND	95.0	70.5	ug/L	74	9.8	SW846 8040A
4-Chloro-3-methylphenol	ND	95.6	81.4	ug/L	85		SW846 8040A
	ND	95.0	74.5	ug/L	78	8.9	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.6	80.5	ug/L	84		SW846 8040A
	ND	95.0	73.3	ug/L	77	9.4	SW846 8040A
2-Methylphenol	ND	95.6	79.6	ug/L	83		SW846 8040A
	ND	95.0	72.6	ug/L	76	9.2	SW846 8040A
2,4-Dichlorophenol	ND	95.6	78.6	ug/L	82		SW846 8040A
	ND	95.0	71.5	ug/L	75	9.4	SW846 8040A
2,6-Dichlorophenol	ND	95.6	80.1	ug/L	84		SW846 8040A
	ND	95.0	72.9	ug/L	77	9.3	SW846 8040A
2,4-Dimethylphenol	ND	95.6	80.7	ug/L	84		SW846 8040A
	ND	95.0	73.4	ug/L	77	9.5	SW846 8040A
2,4-Dinitrophenol	ND	95.6	82.9	ug/L	87		SW846 8040A
	ND	95.0	75.6	ug/L	80	9.3	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.6	81.6	ug/L	85		SW846 8040A
	ND	95.0	73.5	ug/L	77	10	SW846 8040A
Dinoseb	ND	95.6	86.4	ug/L	90		SW846 8040A
	ND	95.0	78.0	ug/L	82	10	SW846 8040A
2-Nitrophenol	ND	95.6	80.7	ug/L	84		SW846 8040A
	ND	95.0	73.4	ug/L	77	9.4	SW846 8040A
4-Nitrophenol	ND	95.6	81.1	ug/L	85		SW846 8040A
	ND	95.0	74.1	ug/L	78	9.0	SW846 8040A
Pentachlorophenol	ND	95.6	76.2	ug/L	80		SW846 8040A
	ND	95.0	69.8	ug/L	73	8.9	SW846 8040A
Phenol	ND	95.6	78.4	ug/L	82		SW846 8040A
	ND	95.0	71.3	ug/L	75	9.4	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.6	87.6	ug/L	92		SW846 8040A
	ND	95.0	76.0	ug/L	80	14	SW846 8040A
2,4,5-Trichlorophenol	ND	95.6	81.2	ug/L	85		SW846 8040A
	ND	95.0	74.0	ug/L	78	9.3	SW846 8040A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL687 **Work Order #...:** JVEQA1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7D210107-006 JVEQA1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.6**	**82.8**	**ug/L**	**87**		**SW846 8040A**
	ND	**95.0**	**76.7**	**ug/L**	**81**	**7.7**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	86	(55 - 118)
	79	(55 - 118)
2-Fluorophenol	81	(40 - 98)
	72	(40 - 98)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METALS

Pacific Northwest National Laboratory

Client Sample ID: B1MRC4

DISSOLVED Metals

Lot-Sample #...: F7D180186-001 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108299						
Antimony	ND	60.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**23.6 B**	**200**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**36200 C**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**74.2 B**	**100**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5GR1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9700**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**51.9**	**15.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7160**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5GR1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5GR1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRC4

DISSOLVED Metals

Lot-Sample #...: F7D180186-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**15900**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5GR1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**185**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**37.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5GR1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/18-04/27/07	JT5GR1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7108301						
Arsenic	**5.0 B**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/19/07**	**JT5GR1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Pacific Northwest National Laboratory

Client Sample ID: B1MRC8

DISSOLVED Metals

Lot-Sample #...: F7D180186-003 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108299						
Antimony	ND	60.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**17.1 B**	**200**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HN1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**26600 C**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HN1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/18-04/20/07	JT5HN1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7800**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HN1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7210**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5HN1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HN1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRC8

DISSOLVED Metals

Lot-Sample #...: F7D180186-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**10800**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/27/07**	**JT5HN1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**144**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HN1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**47.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HN1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/18-04/27/07	JT5HN1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7108301						
Arsenic	**7.5 B**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/19/07**	**JT5HN1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Pacific Northwest National Laboratory

Client Sample ID: B1MRF4

DISSOLVED Metals

Lot-Sample #...: F7D180186-005 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108299						
Antimony	ND	60.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**38.7 B**	**200**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HQ1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**57600 C**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HQ1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/18-04/20/07	JT5HQ1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17100**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HQ1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**8430**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5HQ1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5HQ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRF4

DISSOLVED Metals

Lot-Sample #...: F7D180186-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**15400**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/20/07**	**JT5HQ1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**313**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HQ1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**21.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5HQ1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/18-04/27/07	JT5HQ1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7108301						
Arsenic	ND	10.0	ug/L	SW846 6020	04/18-04/19/07	JT5HQ1AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Pacific Northwest National Laboratory

Client Sample ID: B1MF95

DISSOLVED Metals

Lot-Sample #...: F7D190150-001 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109309						
Antimony	ND	60.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**62.6 B**	**200**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**134000**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**97.2 B**	**100**	**ug/L**	**SW846 6010B**	**04/19-05/02/07**	**JT75W1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**33900**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**10.1 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**8500**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/02/07**	**JT75W1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MF95

DISSOLVED Metals

Lot-Sample #...: F7D190150-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**35700**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/02/07**	**JT75W1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**900**	**50.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT75W1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**14.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT75W1AV**
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7109310

Arsenic	ND	10.0	ug/L	SW846 6020	04/19-04/24/07	JT75W1AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MD63

DISSOLVED Metals

Lot-Sample #...: F7D190178-002 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109309						
Antimony	ND	60.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**24.3 B**	**200**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**22100**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/19-05/02/07	JT8EE1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**4780 B**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**5.4 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	04/19-05/02/07	JT8EE1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MD63

DISSOLVED Metals

Lot-Sample #...: F7D190178-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**3940 B**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/02/07**	**JT8EE1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**94.6**	**50.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8EE1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/19-05/04/07	JT8EE1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MD68

DISSOLVED Metals

Lot-Sample #...: F7D190178-004 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7109309						
Antimony	ND	60.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**36.0 B**	**200**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8E51AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**34200**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8E51AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/19-05/02/07	JT8E51AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**5870**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8E51AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**7.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8E51AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	04/19-05/02/07	JT8E51AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MD68

DISSOLVED Metals

Lot-Sample #...: F7D190178-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**6110**	**5000**	**ug/L**	**SW846 6010B**	**04/19-05/02/07**	**JT8E51AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**134**	**50.0**	**ug/L**	**SW846 6010B**	**04/19-05/04/07**	**JT8E51AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/19-05/04/07	JT8E51AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MRF8

DISSOLVED Metals

Lot-Sample #...: F7D200307-001 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**18.2 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVC861AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29200**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVC861AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVC861AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVC861AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8250**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVC861AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5000**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVC861AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRF8

DISSOLVED Metals

Lot-Sample #...: F7D200307-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12800	5000	ug/L	SW846 6010B	04/23-05/02/07	JVC861AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	168	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	14.7 B	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	10 B	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVC861AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	3.5 B	10.0	ug/L	SW846 6020	04/23-04/25/07	JVC861AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MRH2

DISSOLVED Metals

Lot-Sample #...: F7D200307-003 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVC9D1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVC9D1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRH2

DISSOLVED Metals

Lot-Sample #...: F7D200307-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVC9D1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVC9D1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	ND	10.0	ug/L	SW846 6020	04/23-04/25/07	JVC9D1AW
		Dilution Factor: 1		MDL.....: 2.0		

Pacific Northwest National Laboratory

Client Sample ID: B1MFB9

DISSOLVED Metals

Lot-Sample #...: F7D200312-002 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**54.8 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**55300**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVDA41AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12800**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3680 B**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDA41AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MFB9

DISSOLVED Metals

Lot-Sample #...: F7D200312-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**25900**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDA41AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**259**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**7.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDA41AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVDA41AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MFF2

DISSOLVED Metals

Lot-Sample #...: F7D200312-004 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**57.3 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDCT1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**51500**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDCT1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVDCT1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**11000**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDCT1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4620 B**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDCT1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MFF2

DISSOLVED Metals

Lot-Sample #...: F7D200312-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**25700**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDCT1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**230**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDCT1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**8.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDCT1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVDCT1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MFD4

DISSOLVED Metals

Lot-Sample #...: F7D200312-006 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AC
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**37.9 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDC91AD**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AE
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AF
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**28900**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDC91AG**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AJ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AK
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVDC91AL
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6290**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDC91AM**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**3.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDC91AN**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AP
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2180 B**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDC91AQ**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AR
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MFD4

DISSOLVED Metals

Lot-Sample #...: F7D200312-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**16800**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDC91AT**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**123**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDC91AU**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AV
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVDC91AW
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MFD8

DISSOLVED Metals

Lot-Sample #...: F7D200312-008 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**50.1 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDD11AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**54600**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDD11AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVDD11AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12100**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDD11AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5220**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDD11AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MFD8

DISSOLVED Metals

Lot-Sample #...: F7D200312-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**22100**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVDD11AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**232**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDD11AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**8.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVDD11AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVDD11AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MRL0

DISSOLVED Metals

Lot-Sample #...: F7D210109-003 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**31.2 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**31300**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**5.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVEQE1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9850**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5620**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQE1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRL0

DISSOLVED Metals

Lot-Sample #...: F7D210109-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**28100**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQE1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**175**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**32.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQE1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQE1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	**10.1**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVEQE1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MRJ8

DISSOLVED Metals

Lot-Sample #...: F7D210109-005 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**15.0 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**26600**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**42.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVEQG1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8000**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.8 B**	**15.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4930 B**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQG1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRJ8

DISSOLVED Metals

Lot-Sample #...: F7D210109-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**9610**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQG1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**138**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**24.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQG1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQG1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	**5.5 B**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVEQG1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MR25

DISSOLVED Metals

Lot-Sample #...: F7D210109-007 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113274						
Arsenic	**3.4 B**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVEQJ1AA**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MPL9

DISSOLVED Metals

Lot-Sample #...: F7D210109-009 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**32.5 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQL1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**30900**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQL1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVEQL1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7820**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQL1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6220**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQL1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MPL9

DISSOLVED Metals

Lot-Sample #...: F7D210109-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**9900**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQL1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**156**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQL1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**32.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQL1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQL1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	**7.8 B**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVEQL1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MPL5

DISSOLVED Metals

Lot-Sample #...: F7D210109-010 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AC
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**42.5 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AD**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AE
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AF
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**42600**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AG**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**5.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AH**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AJ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AK
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVEQN1AL
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12800**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AM**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AN
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AP
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**8240**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQN1AQ**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AR
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MPL5

DISSOLVED Metals

Lot-Sample #...: F7D210109-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19600**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVEQN1AT**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**217**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AU**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVEQN1AV**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVEQN1AW
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Arsenic	**6.1 B**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVEQN1AX**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML32

DISSOLVED Metals

Lot-Sample #...: F7D210111-005 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**33.7 B**	**200**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**48200**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**6.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVERG1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16200**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3540 B**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVERG1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1ML32

DISSOLVED Metals

Lot-Sample #...: F7D210111-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**8520**	**5000**	**ug/L**	**SW846 6010B**	**04/23-05/02/07**	**JVERG1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**206**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**22.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERG1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVERG1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Lead	ND	3.0	ug/L	SW846 6020	04/23-04/25/07	JVERG1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7121239						
Mercury	ND	0.20	ug/L	SW846 7470A	05/02/07	JVERG1AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML34

DISSOLVED Metals

Lot-Sample #...: F7D210111-007 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113272						
Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVERM1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVERM1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1ML34

DISSOLVED Metals

Lot-Sample #...: F7D210111-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVERM1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	**0.61 B**	**50.0**	**ug/L**	**SW846 6010B**	**04/23-05/04/07**	**JVERM1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVERM1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7113274						
Lead	ND	3.0	ug/L	SW846 6020	04/23-04/25/07	JVERM1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7121239						
Mercury	ND	0.20	ug/L	SW846 7470A	05/02/07	JVERM1AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7D180000-299 **Prep Batch #...:** 7108299						
Antimony	ND	60.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AE
		Dilution Factor: 1				
Calcium	**48.9 B**	**5000**	**ug/L**	**SW846 6010B**	**04/18-04/26/07**	**JT5WW1AF**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/18-04/20/07	JT5WW1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/18-04/20/07	JT5WW1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/18-04/20/07	JT5WW1AR
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/18-04/26/07	JT5WW1AV
		Dilution Factor: 1				
MB Lot-Sample #: F7D180000-301 **Prep Batch #...:** 7108301						
Arsenic	ND	10.0	ug/L	SW846 6020	04/18-04/19/07	JT5W11AA
		Dilution Factor: 1				
MB Lot-Sample #: F7D190000-309 **Prep Batch #...:** 7109309						
Antimony	ND	60.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/19-05/02/07	JT8Q51AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AL
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	ND	15.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/19-05/02/07	JT8Q51AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/19-05/02/07	JT8Q51AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/19-05/04/07	JT8Q51AV
		Dilution Factor: 1				

MB Lot-Sample #: F7D190000-310 **Prep Batch #...:** 7109310

Arsenic	ND	10.0	ug/L	SW846 6020	04/19-04/24/07	JT8TD1AA
		Dilution Factor: 1				

MB Lot-Sample #: F7D230000-272 **Prep Batch #...:** 7113272

Antimony	ND	60.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AF
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/23-05/02/07	JVGMF1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVGMF1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/23-05/02/07	JVGMF1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/23-05/04/07	JVGMF1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7D230000-274 **Prep Batch #...:** 7113274

Arsenic	ND	10.0	ug/L	SW846 6020	04/23-04/25/07	JVGML1AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6020	04/23-04/25/07	JVGML1AD
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7E010000-239 **Prep Batch #...:** 7121239						
Mercury	ND	0.20	ug/L	SW846 7470A	05/02/07	JV1TN1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7D180000-299 **Prep Batch #...:** 7108299							
Antimony	500	526	ug/L	105	SW846 6010B	04/18-04/26/07	JT5WW1AW
			Dilution Factor: 1				
Barium	500	519	ug/L	104	SW846 6010B	04/18-04/26/07	JT5WW1AX
			Dilution Factor: 1				
Beryllium	500	558	ug/L	112	SW846 6010B	04/18-04/26/07	JT5WW1A0
			Dilution Factor: 1				
Cadmium	500	536	ug/L	107	SW846 6010B	04/18-04/26/07	JT5WW1A1
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	04/18-04/26/07	JT5WW1A2
			Dilution Factor: 1				
Chromium	500	529	ug/L	106	SW846 6010B	04/18-04/26/07	JT5WW1A3
			Dilution Factor: 1				
Cobalt	500	524	ug/L	105	SW846 6010B	04/18-04/26/07	JT5WW1A4
			Dilution Factor: 1				
Copper	500	509	ug/L	102	SW846 6010B	04/18-04/26/07	JT5WW1A5
			Dilution Factor: 1				
Iron	500	537	ug/L	107	SW846 6010B	04/18-04/20/07	JT5WW1A6
			Dilution Factor: 1				
Magnesium	10000	10700	ug/L	107	SW846 6010B	04/18-04/26/07	JT5WW1A7
			Dilution Factor: 1				
Manganese	500	531	ug/L	106	SW846 6010B	04/18-04/26/07	JT5WW1A8
			Dilution Factor: 1				
Nickel	500	517	ug/L	103	SW846 6010B	04/18-04/26/07	JT5WW1A9
			Dilution Factor: 1				
Potassium	10000	9790	ug/L	98	SW846 6010B	04/18-04/20/07	JT5WW1CA
			Dilution Factor: 1				
Silver	125	127	ug/L	102	SW846 6010B	04/18-04/26/07	JT5WW1CC
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10400	ug/L	104	SW846 6010B	04/18-04/20/07	JT5WW1CD
			Dilution Factor: 1				
Strontium	500	533	ug/L	107	SW846 6010B	04/18-04/26/07	JT5WW1CE
			Dilution Factor: 1				
Vanadium	500	528	ug/L	106	SW846 6010B	04/18-04/26/07	JT5WW1CF
			Dilution Factor: 1				
Zinc	500	500	ug/L	100	SW846 6010B	04/18-04/26/07	JT5WW1CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7D180000-301 **Prep Batch #...:** 7108301							
Arsenic	500	503	ug/L	101	SW846 6020	04/18-04/19/07	JT5W11AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7D190000-309 **Prep Batch #...:** 7109309							
Antimony	500	530	ug/L	106	SW846 6010B	04/19-05/04/07	JT8Q51AW
			Dilution Factor: 1				
Barium	500	524	ug/L	105	SW846 6010B	04/19-05/04/07	JT8Q51AX
			Dilution Factor: 1				
Beryllium	500	564	ug/L	113	SW846 6010B	04/19-05/04/07	JT8Q51A0
			Dilution Factor: 1				
Cadmium	500	541	ug/L	108	SW846 6010B	04/19-05/04/07	JT8Q51A1
			Dilution Factor: 1				
Calcium	10000	10900	ug/L	109	SW846 6010B	04/19-05/04/07	JT8Q51A2
			Dilution Factor: 1				
Chromium	500	531	ug/L	106	SW846 6010B	04/19-05/04/07	JT8Q51A3
			Dilution Factor: 1				
Cobalt	500	528	ug/L	106	SW846 6010B	04/19-05/04/07	JT8Q51A4
			Dilution Factor: 1				
Copper	500	518	ug/L	104	SW846 6010B	04/19-05/04/07	JT8Q51A5
			Dilution Factor: 1				
Iron	500	540	ug/L	108	SW846 6010B	04/19-05/02/07	JT8Q51A6
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	10000	10900	ug/L	109	SW846 6010B	04/19-05/04/07	JT8Q51A7
			Dilution Factor: 1				
Manganese	500	537	ug/L	107	SW846 6010B	04/19-05/04/07	JT8Q51A8
			Dilution Factor: 1				
Nickel	500	522	ug/L	104	SW846 6010B	04/19-05/04/07	JT8Q51A9
			Dilution Factor: 1				
Potassium	10000	9870	ug/L	99	SW846 6010B	04/19-05/02/07	JT8Q51CA
			Dilution Factor: 1				
Silver	125	131	ug/L	105	SW846 6010B	04/19-05/04/07	JT8Q51CC
			Dilution Factor: 1				
Sodium	10000	10800	ug/L	108	SW846 6010B	04/19-05/02/07	JT8Q51CD
			Dilution Factor: 1				
Strontium	500	537	ug/L	107	SW846 6010B	04/19-05/04/07	JT8Q51CE
			Dilution Factor: 1				
Vanadium	500	542	ug/L	108	SW846 6010B	04/19-05/04/07	JT8Q51CF
			Dilution Factor: 1				
Zinc	500	506	ug/L	101	SW846 6010B	04/19-05/04/07	JT8Q51CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7D190000-310 **Prep Batch #...:** 7109310							
Arsenic	500	495	ug/L	99	SW846 6020	04/19-04/24/07	JT8TD1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7D230000-272 **Prep Batch #...:** 7113272							
Antimony	500	537	ug/L	107	SW846 6010B	04/23-05/04/07	JVGMF1AW
			Dilution Factor: 1				
Barium	500	524	ug/L	105	SW846 6010B	04/23-05/04/07	JVGMF1AX
			Dilution Factor: 1				
Beryllium	500	565	ug/L	113	SW846 6010B	04/23-05/04/07	JVGMF1A0
			Dilution Factor: 1				
Cadmium	500	543	ug/L	109	SW846 6010B	04/23-05/04/07	JVGMF1A1
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	10000	10900	ug/L	109	SW846 6010B	04/23-05/04/07	JVGMF1A2
			Dilution Factor: 1				
Chromium	500	531	ug/L	106	SW846 6010B	04/23-05/04/07	JVGMF1A3
			Dilution Factor: 1				
Cobalt	500	529	ug/L	106	SW846 6010B	04/23-05/04/07	JVGMF1A4
			Dilution Factor: 1				
Copper	500	518	ug/L	104	SW846 6010B	04/23-05/04/07	JVGMF1A5
			Dilution Factor: 1				
Iron	500	542	ug/L	108	SW846 6010B	04/23-05/02/07	JVGMF1A6
			Dilution Factor: 1				
Magnesium	10000	11000	ug/L	110	SW846 6010B	04/23-05/04/07	JVGMF1A7
			Dilution Factor: 1				
Manganese	500	537	ug/L	107	SW846 6010B	04/23-05/04/07	JVGMF1A8
			Dilution Factor: 1				
Nickel	500	525	ug/L	105	SW846 6010B	04/23-05/04/07	JVGMF1A9
			Dilution Factor: 1				
Potassium	10000	11100	ug/L	111	SW846 6010B	04/23-05/02/07	JVGMF1CA
			Dilution Factor: 1				
Silver	125	131	ug/L	105	SW846 6010B	04/23-05/04/07	JVGMF1CC
			Dilution Factor: 1				
Sodium	10000	10800	ug/L	108	SW846 6010B	04/23-05/02/07	JVGMF1CD
			Dilution Factor: 1				
Strontium	500	538	ug/L	108	SW846 6010B	04/23-05/04/07	JVGMF1CE
			Dilution Factor: 1				
Vanadium	500	541	ug/L	108	SW846 6010B	04/23-05/04/07	JVGMF1CF
			Dilution Factor: 1				
Zinc	500	510	ug/L	102	SW846 6010B	04/23-05/04/07	JVGMF1CG
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7D230000-274 **Prep Batch #...:** 7113274							
Arsenic	500	497	ug/L	99	SW846 6020	04/23-04/25/07	JVGML1AC
			Dilution Factor: 1				
Lead	500	488	ug/L	98	SW846 6020	04/23-04/25/07	JVGML1AE
			Dilution Factor: 1				
LCS Lot-Sample#: F7E010000-239 **Prep Batch #...:** 7121239							
Mercury	1.00	0.853	ug/L	85	SW846 7470A	05/02/07	JV1TN1AC
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

MS Lot-Sample #: F7D180186-001 **Prep Batch #...:** 7108299

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	268	ug/L	107		SW846 6010B	04/18-04/26/07	JT5GR1AX
	ND	250	266	ug/L	106	0.96	SW846 6010B	04/18-04/26/07	JT5GR1A0
			Dilution Factor: 1						
Barium									
	23.6	1000	1080	ug/L	106		SW846 6010B	04/18-04/26/07	JT5GR1A1
	23.6	1000	1070	ug/L	105	1.3	SW846 6010B	04/18-04/26/07	JT5GR1A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	29.0	ug/L	116		SW846 6010B	04/18-04/26/07	JT5GR1A3
	ND	25.0	28.7	ug/L	115	1.0	SW846 6010B	04/18-04/26/07	JT5GR1A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	27.2	ug/L	109		SW846 6010B	04/18-04/26/07	JT5GR1A5
	ND	25.0	26.7	ug/L	107	1.7	SW846 6010B	04/18-04/26/07	JT5GR1A6
			Dilution Factor: 1						
Calcium									
	36200	25000	62100	ug/L	104		SW846 6010B	04/18-04/26/07	JT5GR1A7
	36200	25000	61600	ug/L	102	0.82	SW846 6010B	04/18-04/26/07	JT5GR1A8
			Dilution Factor: 1						
Chromium									
	ND	100	109	ug/L	109		SW846 6010B	04/18-04/26/07	JT5GR1A9
	ND	100	107	ug/L	107	1.6	SW846 6010B	04/18-04/26/07	JT5GR1CA
			Dilution Factor: 1						
Cobalt									
	ND	250	262	ug/L	105		SW846 6010B	04/18-04/26/07	JT5GR1CC
	ND	250	259	ug/L	104	1.2	SW846 6010B	04/18-04/26/07	JT5GR1CD
			Dilution Factor: 1						
Copper									
	ND	125	132	ug/L	105		SW846 6010B	04/18-04/26/07	JT5GR1CE
	ND	125	130	ug/L	104	1.4	SW846 6010B	04/18-04/26/07	JT5GR1CF
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	74.2	500	586	ug/L	102		SW846 6010B	04/18-04/20/07	JT5GR1CG
	74.2	500	588	ug/L	103	0.24	SW846 6010B	04/18-04/20/07	JT5GR1CH
			Dilution Factor: 1						
Magnesium									
	9700	25000	36100	ug/L	106		SW846 6010B	04/18-04/26/07	JT5GR1CJ
	9700	25000	35800	ug/L	104	1.0	SW846 6010B	04/18-04/26/07	JT5GR1CK
			Dilution Factor: 1						
Manganese									
	51.9	250	319	ug/L	107		SW846 6010B	04/18-04/26/07	JT5GR1CL
	51.9	250	315	ug/L	105	1.1	SW846 6010B	04/18-04/26/07	JT5GR1CM
			Dilution Factor: 1						
Nickel									
	ND	250	256	ug/L	102		SW846 6010B	04/18-04/26/07	JT5GR1CN
	ND	250	255	ug/L	102	0.33	SW846 6010B	04/18-04/26/07	JT5GR1CP
			Dilution Factor: 1						
Potassium									
	7160	25000	33200	ug/L	104		SW846 6010B	04/18-04/20/07	JT5GR1CQ
	7160	25000	32600	ug/L	102	1.8	SW846 6010B	04/18-04/20/07	JT5GR1CR
			Dilution Factor: 1						
Silver									
	ND	25.0	25.4	ug/L	102		SW846 6010B	04/18-04/26/07	JT5GR1CT
	ND	25.0	24.6	ug/L	98	3.2	SW846 6010B	04/18-04/26/07	JT5GR1CU
			Dilution Factor: 1						
Sodium									
	15900	25000	41400	ug/L	102		SW846 6010B	04/18-04/20/07	JT5GR1CV
	15900	25000	41300	ug/L	101	0.19	SW846 6010B	04/18-04/20/07	JT5GR1CW
			Dilution Factor: 1						
Strontium									
	185	500	727	ug/L	108		SW846 6010B	04/18-04/26/07	JT5GR1CX
	185	500	717	ug/L	106	1.3	SW846 6010B	04/18-04/26/07	JT5GR1C0
			Dilution Factor: 1						
Vanadium									
	37.6	250	307	ug/L	108		SW846 6010B	04/18-04/26/07	JT5GR1C1
	37.6	250	303	ug/L	106	1.2	SW846 6010B	04/18-04/26/07	JT5GR1C2
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	257	ug/L	103		SW846 6010B	04/18-04/27/07	JT5GR1C3
	ND	250	257	ug/L	103	0.10	SW846 6010B	04/18-04/27/07	JT5GR1C4

Dilution Factor: 1

MS Lot-Sample #: F7D180186-001 **Prep Batch #...:** 7108301

Arsenic									
	5.0	1000	980	ug/L	98		SW846 6020	04/18-04/19/07	JT5GR1C5
	5.0	1000	944	ug/L	94	3.8	SW846 6020	04/18-04/19/07	JT5GR1C6

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7D190150-001 **Prep Batch #...:** 7109309									
Antimony									
	ND	250	260	ug/L	104		SW846 6010B	04/19-05/04/07	JT75W1A0
	ND	250	258	ug/L	103	0.73	SW846 6010B	04/19-05/04/07	JT75W1A1
			Dilution Factor: 1						
Barium									
	62.6	1000	1100	ug/L	104		SW846 6010B	04/19-05/04/07	JT75W1A2
	62.6	1000	1090	ug/L	103	0.31	SW846 6010B	04/19-05/04/07	JT75W1A3
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.8	ug/L	111		SW846 6010B	04/19-05/04/07	JT75W1A4
	ND	25.0	27.8	ug/L	111	0.10	SW846 6010B	04/19-05/04/07	JT75W1A5
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.7	ug/L	103		SW846 6010B	04/19-05/04/07	JT75W1A6
	ND	25.0	25.6	ug/L	102	0.35	SW846 6010B	04/19-05/04/07	JT75W1A7
			Dilution Factor: 1						
Calcium									
	134000	25000	159000	ug/L	99		SW846 6010B	04/19-05/04/07	JT75W1A8
	134000	25000	161000	ug/L	109	1.6	SW846 6010B	04/19-05/04/07	JT75W1A9
			Dilution Factor: 1						
Chromium									
	ND	100	107	ug/L	107		SW846 6010B	04/19-05/04/07	JT75W1CA
	ND	100	106	ug/L	106	0.37	SW846 6010B	04/19-05/04/07	JT75W1CC
			Dilution Factor: 1						
Cobalt									
	ND	250	250	ug/L	100		SW846 6010B	04/19-05/04/07	JT75W1CD
	ND	250	250	ug/L	100	0.09	SW846 6010B	04/19-05/04/07	JT75W1CE
			Dilution Factor: 1						
Copper									
	ND	125	129	ug/L	103		SW846 6010B	04/19-05/04/07	JT75W1CF
	ND	125	127	ug/L	102	1.1	SW846 6010B	04/19-05/04/07	JT75W1CG
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	97.2	500	617	ug/L	104		SW846 6010B	04/19-05/02/07	JT75W1CH
	97.2	500	613	ug/L	103	0.64	SW846 6010B	04/19-05/02/07	JT75W1CJ
			Dilution Factor: 1						
Magnesium									
	33900	25000	59600	ug/L	103		SW846 6010B	04/19-05/04/07	JT75W1CK
	33900	25000	60300	ug/L	105	1.1	SW846 6010B	04/19-05/04/07	JT75W1CL
			Dilution Factor: 1						
Manganese									
	10.1	250	268	ug/L	103		SW846 6010B	04/19-05/04/07	JT75W1CM
	10.1	250	269	ug/L	103	0.01	SW846 6010B	04/19-05/04/07	JT75W1CN
			Dilution Factor: 1						
Nickel									
	ND	250	249	ug/L	100		SW846 6010B	04/19-05/04/07	JT75W1CP
	ND	250	249	ug/L	100	0.21	SW846 6010B	04/19-05/04/07	JT75W1CQ
			Dilution Factor: 1						
Potassium									
	8500	25000	35000	ug/L	106		SW846 6010B	04/19-05/02/07	JT75W1CR
	8500	25000	35000	ug/L	106	0.15	SW846 6010B	04/19-05/02/07	JT75W1CT
			Dilution Factor: 1						
Silver									
	ND	25.0	26.2	ug/L	105		SW846 6010B	04/19-05/04/07	JT75W1CU
	ND	25.0	25.5	ug/L	102	2.7	SW846 6010B	04/19-05/04/07	JT75W1CV
			Dilution Factor: 1						
Sodium									
	35700	25000	61600	ug/L	104		SW846 6010B	04/19-05/02/07	JT75W1CW
	35700	25000	61700	ug/L	104	0.23	SW846 6010B	04/19-05/02/07	JT75W1CX
			Dilution Factor: 1						
Strontium									
	900	500	1420	ug/L	104		SW846 6010B	04/19-05/04/07	JT75W1C0
	900	500	1430	ug/L	107	1.0	SW846 6010B	04/19-05/04/07	JT75W1C1
			Dilution Factor: 1						
Vanadium									
	ND	250	271	ug/L	108		SW846 6010B	04/19-05/04/07	JT75W1C2
	ND	250	271	ug/L	108	0.16	SW846 6010B	04/19-05/04/07	JT75W1C3
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	14.2	250	248	ug/L	93		SW846 6010B	04/19-05/04/07	JT75W1C4
	14.2	250	249	ug/L	94	0.38	SW846 6010B	04/19-05/04/07	JT75W1C5

Dilution Factor: 1

MS Lot-Sample #: F7D190150-001 **Prep Batch #...:** 7109310

Arsenic									
	ND	1000	951	ug/L	95		SW846 6020	04/19-04/24/07	JT75W1C6
	ND	1000	949	ug/L	95	0.25	SW846 6020	04/19-04/24/07	JT75W1C7

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

MS Lot-Sample #: F7D200307-001 **Prep Batch #...:** 7113272

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	261	ug/L	104		SW846 6010B	04/23-05/04/07	JVC861AX
	ND	250	267	ug/L	107	2.6	SW846 6010B	04/23-05/04/07	JVC861A0
			Dilution Factor: 1						
Barium									
	18.2	1000	1040	ug/L	103		SW846 6010B	04/23-05/04/07	JVC861A1
	18.2	1000	1070	ug/L	105	2.7	SW846 6010B	04/23-05/04/07	JVC861A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.7	ug/L	111		SW846 6010B	04/23-05/04/07	JVC861A3
	ND	25.0	28.6	ug/L	115	3.3	SW846 6010B	04/23-05/04/07	JVC861A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.8	ug/L	103		SW846 6010B	04/23-05/04/07	JVC861A5
	ND	25.0	26.6	ug/L	107	3.4	SW846 6010B	04/23-05/04/07	JVC861A6
			Dilution Factor: 1						
Calcium									
	29200	25000	54000	ug/L	99		SW846 6010B	04/23-05/04/07	JVC861A7
	29200	25000	55800	ug/L	107	3.3	SW846 6010B	04/23-05/04/07	JVC861A8
			Dilution Factor: 1						
Chromium									
	3.3	100	108	ug/L	104		SW846 6010B	04/23-05/04/07	JVC861A9
	3.3	100	111	ug/L	107	2.9	SW846 6010B	04/23-05/04/07	JVC861CA
			Dilution Factor: 1						
Cobalt									
	ND	250	252	ug/L	101		SW846 6010B	04/23-05/04/07	JVC861CC
	ND	250	260	ug/L	104	2.9	SW846 6010B	04/23-05/04/07	JVC861CD
			Dilution Factor: 1						
Copper									
	ND	125	127	ug/L	102		SW846 6010B	04/23-05/04/07	JVC861CE
	ND	125	131	ug/L	105	2.8	SW846 6010B	04/23-05/04/07	JVC861CF
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	539	ug/L	108		SW846 6010B	04/23-05/02/07	JVC861CG
	ND	500	552	ug/L	110	2.3	SW846 6010B	04/23-05/02/07	JVC861CH
			Dilution Factor: 1						
Magnesium									
	8250	25000	33900	ug/L	103		SW846 6010B	04/23-05/04/07	JVC861CJ
	8250	25000	35100	ug/L	107	3.3	SW846 6010B	04/23-05/04/07	JVC861CK
			Dilution Factor: 1						
Manganese									
	ND	250	259	ug/L	104		SW846 6010B	04/23-05/04/07	JVC861CL
	ND	250	267	ug/L	107	3.0	SW846 6010B	04/23-05/04/07	JVC861CM
			Dilution Factor: 1						
Nickel									
	ND	250	251	ug/L	101		SW846 6010B	04/23-05/04/07	JVC861CN
	ND	250	260	ug/L	104	3.6	SW846 6010B	04/23-05/04/07	JVC861CP
			Dilution Factor: 1						
Potassium									
	5000	25000	30900	ug/L	104		SW846 6010B	04/23-05/02/07	JVC861CQ
	5000	25000	32400	ug/L	110	4.8	SW846 6010B	04/23-05/02/07	JVC861CR
			Dilution Factor: 1						
Silver									
	ND	25.0	25.8	ug/L	103		SW846 6010B	04/23-05/04/07	JVC861CT
	ND	25.0	26.1	ug/L	104	0.92	SW846 6010B	04/23-05/04/07	JVC861CU
			Dilution Factor: 1						
Sodium									
	12800	25000	38900	ug/L	104		SW846 6010B	04/23-05/02/07	JVC861CV
	12800	25000	39400	ug/L	106	1.4	SW846 6010B	04/23-05/02/07	JVC861CW
			Dilution Factor: 1						
Strontium									
	168	500	689	ug/L	104		SW846 6010B	04/23-05/04/07	JVC861CX
	168	500	710	ug/L	108	3.0	SW846 6010B	04/23-05/04/07	JVC861C0
			Dilution Factor: 1						
Vanadium									
	14.7	250	277	ug/L	105		SW846 6010B	04/23-05/04/07	JVC861C1
	14.7	250	285	ug/L	108	2.8	SW846 6010B	04/23-05/04/07	JVC861C2
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	10	250	249	ug/L	96		SW846 6010B	04/23-05/04/07	JVC861C3
	10	250	257	ug/L	99	3.3	SW846 6010B	04/23-05/04/07	JVC861C4

Dilution Factor: 1

MS Lot-Sample #: F7D200307-001 **Prep Batch #...:** 7113274

Arsenic									
	3.5	1000	959	ug/L	96		SW846 6020	04/23-04/25/07	JVC861C5
	3.5	1000	999	ug/L	100	4.1	SW846 6020	04/23-04/25/07	JVC861C6

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7D210111-005 **Prep Batch #...:** 7121239									
Mercury									
	ND	1.00	0.928	ug/L	93		SW846 7470A	05/02/07	JVERG1A0
	ND	1.00	0.999	ug/L	100	7.4	SW846 7470A	05/02/07	JVERG1A1

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

WET CHEMISTRY

Pacific Northwest National Laboratory

Client Sample ID: B1MRC5

General Chemistry

Lot-Sample #...: F7D180186-002 **Work Order #...:** JT5G8 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**4.4 C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109183**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.27**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109184**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**10.5 D**	**0.40**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109187**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/18/07	7109186
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**25.8 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109185**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MRC9

General Chemistry

Lot-Sample #...: F7D180186-004 **Work Order #...:** JT5HP **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**3.9 C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109183**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.27**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109184**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**1.6 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109187**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/18/07	7109186
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**22.1 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109185**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MRF5

General Chemistry

Lot-Sample #...: F7D180186-006 **Work Order #...:** JT5HT **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**14.4 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109183**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.19**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109184**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**7.7 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109187**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/18/07	7109186
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**87.1 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109185**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MD28

General Chemistry

Lot-Sample #...: F7D190178-001 **Work Order #...:** JT8D5 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	1.5 C,N	0.20	mg/L	MCAWW 300.0A	04/19/07	7110331
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.061 B	0.10	mg/L	MCAWW 300.0A	04/19/07	7110332
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	2.3 D	0.20	mg/L	MCAWW 300.0A	04/19/07	7110335
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.27 DN	0.20	mg/L	MCAWW 300.0A	04/19/07	7110334
		Dilution Factor: 10		MDL.....: 0.040		
Phosphate as P, Ortho	8320 D	2500	ug/L	MCAWW 365.2	04/21/07	7114133
		Dilution Factor: 50		MDL.....: 500		
Sulfate	9.1	0.50	mg/L	MCAWW 300.0A	04/19/07	7110333
		Dilution Factor: 1		MDL.....: 0.050		
Total Organic Carbon	1.1	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

DN Result obtained from dilution; spike sample recovery outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MD64

General Chemistry

Lot-Sample #...: F7D190178-003 **Work Order #...:** JT8EF **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**1.4 C,N**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110331**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.070 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110332**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.30**	**0.020**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110335**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/19/07	7110334
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	ND	50.0	ug/L	MCAWW 365.2	05/10/07	7130279
		Dilution Factor: 1		MDL.....: 10.0		
Sulfate	**9.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110333**
		Dilution Factor: 1		MDL.....: 0.050		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MD69

General Chemistry

Lot-Sample #...: F7D190178-005 **Work Order #...:** JT8E9 **Matrix.....:** WATER
Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**2.2 C,N**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110331**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	04/19/07	7110332
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.3 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110335**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/19/07	7110334
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	**29.7 B**	**50.0**	**ug/L**	**MCAWW 365.2**	**04/21/07**	**7114133**
		Dilution Factor: 1		MDL.....: 10.0		
Sulfate	**16.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110333**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MRF9

General Chemistry

Lot-Sample #...: F7D200307-002 **Work Order #...:** JVC89 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	5.3 C,D	2.0	mg/L	MCAWW 300.0A	04/20/07	7114117
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.23 N	0.10	mg/L	MCAWW 300.0A	04/20/07	7114118
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	0.75	0.020	mg/L	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	17.2	0.50	mg/L	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MRH3

General Chemistry

Lot-Sample #...: F7D200307-004 **Work Order #...:** JVC9E **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	0.20	mg/L	MCAWW 300.0A	04/20/07	7114117
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND N	0.10	mg/L	MCAWW 300.0A	04/20/07	7114118
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND	0.020	mg/L	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MFC0

General Chemistry

Lot-Sample #...: F7D200312-003 **Work Order #...:** JVDA8 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.2 C,D	2.0	mg/L	MCAWW 300.0A	04/20/07	7114117
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.28 N	0.10	mg/L	MCAWW 300.0A	04/20/07	7114118
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	6.0 D	0.20	mg/L	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	51.0 D	5.0	mg/L	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 10		MDL.....: 0.50		
Total Alkalinity	122	5.0	mg/L	MCAWW 310.1	04/23/07	7113099
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MFF3

General Chemistry

Lot-Sample #...: F7D200312-005 **Work Order #...:** JVDC1 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**19.4 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114117**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.34 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114118**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.1 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114121**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**46.3 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114119**
		Dilution Factor: 10		MDL.....: 0.50		
Total Alkalinity	**128**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/23/07**	**7113099**
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MFD5

General Chemistry

Lot-Sample #...: F7D200312-007 **Work Order #...:** JVDDF **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	5.5 C,D	2.0	mg/L	MCAWW 300.0A	04/20/07	7114117
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.42 N	0.10	mg/L	MCAWW 300.0A	04/20/07	7114118
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	1.6 D	0.20	mg/L	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	22.0 D	5.0	mg/L	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 10		MDL.....: 0.50		
Total Alkalinity	85.0	5.0	mg/L	MCAWW 310.1	04/23/07	7113099
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MFD9

General Chemistry

Lot-Sample #...: F7D200312-009 **Work Order #...:** JVDD4 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**19.0 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114117**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.27 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114118**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**4.9 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114121**
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**45.0 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114119**
	Dilution Factor: 10			MDL.....: 0.50		
Total Alkalinity	**115**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/23/07**	**7113099**
	Dilution Factor: 1			MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MN79

General Chemistry

Lot-Sample #...: F7D200320-001 **Work Order #...:** JVDE0 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**7.0 C**	**5.0**	**ug/L**	**SW846 9020B**	**05/08/07**	**7129095**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1MN80

General Chemistry

Lot-Sample #...: F7D200320-002 **Work Order #...:** JVDE2 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**3.4 B,C**	**5.0**	**ug/L**	**SW846 9020B**	**05/08/07**	**7129095**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1MN81

General Chemistry

Lot-Sample #...: F7D200320-003 **Work Order #...:** JVDE4 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**3.6 B,C**	**5.0**	**ug/L**	**SW846 9020B**	**05/08/07**	**7129095**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1MN82

General Chemistry

Lot-Sample #...: F7D200320-004 **Work Order #...:** JVDE5 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**3.2 B,C**	**5.0**	**ug/L**	**SW846 9020B**	**05/08/07**	**7129095**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1MN83

General Chemistry

Lot-Sample #...: F7D200320-005 **Work Order #...:** JVDE6 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	**106**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/23/07**	**7113099**
		Dilution Factor: 1		MDL.....: 0.85		

Pacific Northwest National Laboratory

Client Sample ID: B1MN84

General Chemistry

Lot-Sample #...: F7D200320-006 **Work Order #...:** JVDE8 **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	ND	5.0	mg/L	MCAWW 310.1	04/23/07	7113099

Dilution Factor: 1 MDL.....: 0.85

Pacific Northwest National Laboratory

Client Sample ID: B1MN85

General Chemistry

Lot-Sample #...: F7D200320-007 **Work Order #...:** JVDFA **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**9.7**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MN86

General Chemistry

Lot-Sample #...: F7D200320-008 **Work Order #...:** JVDFD **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**7.2**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MN87

General Chemistry

Lot-Sample #...: F7D200320-009 **Work Order #...:** JVDFE **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**8.4**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MN88

General Chemistry

Lot-Sample #...: F7D200320-010 **Work Order #...:** JVDFF **Matrix.....:** WATER
Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**9.6**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MNH3

General Chemistry

Lot-Sample #...: F7D210107-001 **Work Order #...:** JVEP5 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**11.3**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MNH4

General Chemistry

Lot-Sample #...: F7D210107-002 **Work Order #...:** JVEP6 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**11.4**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MNH5

General Chemistry

Lot-Sample #...: F7D210107-003 **Work Order #...:** JVEP7 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**3.0 B**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....:		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNH6

General Chemistry

Lot-Sample #...: F7D210107-004 **Work Order #...:** JVEP8 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**9.8**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MNH7

General Chemistry

Lot-Sample #...: F7D210107-005 **Work Order #...:** JVEP9 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**2.3 C,N**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.21**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.39 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**15.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
		Dilution Factor: 1		MDL.....: 0.050		
Total Alkalinity	**105**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/23/07**	**7113099**
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MR35

General Chemistry

Lot-Sample #...: F7D210109-001 **Work Order #...:** JVEQC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**7.0 C,DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.45**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**2.9 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**33.7 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MR34

General Chemistry

Lot-Sample #...: F7D210109-002 **Work Order #...:** JVEQD **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	7.2 C,DN	2.0	mg/L	MCAWW 300.0A	04/21/07	7115565
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.45	0.10	mg/L	MCAWW 300.0A	04/21/07	7115566
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	3.2 DN	0.20	mg/L	MCAWW 300.0A	04/21/07	7115569
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	33.6 D	5.0	mg/L	MCAWW 300.0A	04/21/07	7115567
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MRL1

General Chemistry

Lot-Sample #...: F7D210109-004 **Work Order #...:** JVEQF **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**10.4 C,DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.35**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**3.2 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**52.3 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MRJ9

General Chemistry

Lot-Sample #...: F7D210109-006 **Work Order #...:** JVEQH **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**2.6 C,N**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.20**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.28 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**17.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MR26

General Chemistry

Lot-Sample #...: F7D210109-008 **Work Order #...:** JVEQK **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**19.3 C,DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.60**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**53.5 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
	Dilution Factor: 100			MDL.....: 0.40		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**85.6 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
	Dilution Factor: 10			MDL.....: 0.50		
Total Cyanide	**142 N**	**5.0**	**ug/L**	**SW846 9012**	**05/01-05/04/07**	**7121129**
	Dilution Factor: 1			MDL.....: 2.4		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MPL6

General Chemistry

Lot-Sample #...: F7D210109-011 **Work Order #...:** JVEQP **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**10.8 C,DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.30**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.0 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**52.9 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1ML28

General Chemistry

Lot-Sample #...: F7D210111-001 **Work Order #...:** JVERC **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**50.4**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML29

General Chemistry

Lot-Sample #...: F7D210111-002 **Work Order #...:** JVERD **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**31.2**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML30

General Chemistry

Lot-Sample #...: F7D210111-003 **Work Order #...:** JVERE **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**40.5**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML31

General Chemistry

Lot-Sample #...: F7D210111-004 **Work Order #...:** JVERF **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**42.6**	**5.0**	**ug/L**	**SW846 9020B**	**05/09/07**	**7130077**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML33

General Chemistry

Lot-Sample #...: F7D210111-006 **Work Order #...:** JVERJ **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**19.9 C,DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.24**	**0.10**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115566**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**7.4 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115569**
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**28.2 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115567**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1ML35

General Chemistry

Lot-Sample #...: F7D210111-008 **Work Order #...:** JVERN **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND N	0.20	mg/L	MCAWW 300.0A	04/21/07	7115565
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	04/21/07	7115566
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115569
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	04/21/07	7115567
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1ML38

General Chemistry

Lot-Sample #...: F7D210111-009 **Work Order #...:** JVERV **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	05/09/07	7130077
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML39

General Chemistry

Lot-Sample #...: F7D210111-010 **Work Order #...:** JVERX **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127183
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**4.0 B**	**5.0**	**ug/L**	**SW846 9020B**	**05/11/07**	**7134087**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML40

General Chemistry

Lot-Sample #...: F7D210111-011 **Work Order #...:** JVER0 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127184
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	05/11/07	7134087
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML41

General Chemistry

Lot-Sample #...: F7D210111-012 **Work Order #...:** JVER2 **Matrix.....:** WATER
Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/09/07	7127184
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**2.2 B**	**5.0**	**ug/L**	**SW846 9020B**	**05/11/07**	**7134087**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JT71Q1AA		MB Lot-Sample #:	F7D190000-183	
	0.035 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/18/07**	**7109183**
		Dilution Factor: 1				
Chloride		Work Order #: JVMNN1AA		MB Lot-Sample #:	F7D200000-331	
	0.11 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/19/07**	**7110331**
		Dilution Factor: 1				
Chloride		Work Order #: JVHRP1AA		MB Lot-Sample #:	F7D240000-117	
	0.045 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/20/07**	**7114117**
		Dilution Factor: 1				
Chloride		Work Order #: JVM2C1AA		MB Lot-Sample #:	F7D250000-565	
	0.056 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**04/21/07**	**7115565**
		Dilution Factor: 1				
Fluoride		Work Order #: JT7121AA		MB Lot-Sample #:	F7D190000-184	
	ND	0.10	mg/L	MCAWW 300.0A	04/18/07	7109184
		Dilution Factor: 1				
Fluoride		Work Order #: JVMNP1AA		MB Lot-Sample #:	F7D200000-332	
	ND	0.10	mg/L	MCAWW 300.0A	04/19/07	7110332
		Dilution Factor: 1				
Fluoride		Work Order #: JVHRT1AA		MB Lot-Sample #:	F7D240000-118	
	ND	0.10	mg/L	MCAWW 300.0A	04/20/07	7114118
		Dilution Factor: 1				
Fluoride		Work Order #: JVM2D1AA		MB Lot-Sample #:	F7D250000-566	
	ND	0.10	mg/L	MCAWW 300.0A	04/21/07	7115566
		Dilution Factor: 1				
Nitrate		Work Order #: JT72C1AA		MB Lot-Sample #:	F7D190000-187	
	ND	0.020	mg/L	MCAWW 300.0A	04/18/07	7109187
		Dilution Factor: 1				
Nitrate		Work Order #: JVMN01AA		MB Lot-Sample #:	F7D200000-335	
	ND	0.020	mg/L	MCAWW 300.0A	04/19/07	7110335
		Dilution Factor: 1				
Nitrate		Work Order #: JVHR41AA		MB Lot-Sample #:	F7D240000-121	
	ND	0.020	mg/L	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		Work Order #: JVM2J1AA		MB Lot-Sample #:	F7D250000-569	
	ND	0.020	mg/L	MCAWW 300.0A	04/21/07	7115569
		Dilution Factor: 1				
Nitrite		Work Order #: JT7171AA		MB Lot-Sample #:	F7D190000-186	
	ND	0.020	mg/L	MCAWW 300.0A	04/18/07	7109186
		Dilution Factor: 1				
Nitrite		Work Order #: JVMNT1AA		MB Lot-Sample #:	F7D200000-334	
	ND	0.020	mg/L	MCAWW 300.0A	04/19/07	7110334
		Dilution Factor: 1				
Nitrite		Work Order #: JVHR21AA		MB Lot-Sample #:	F7D240000-120	
	ND	0.020	mg/L	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1				
Nitrite		Work Order #: JVM2H1AA		MB Lot-Sample #:	F7D250000-568	
	ND	0.020	mg/L	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1				
Phosphate as P, Ortho		Work Order #: JVHQ11AA		MB Lot-Sample #:	F7D240000-133	
	ND	50.0	ug/L	MCAWW 365.2	04/21/07	7114133
		Dilution Factor: 1				
Phosphate as P, Ortho		Work Order #: JWNEF1AA		MB Lot-Sample #:	F7E100000-279	
	ND	50.0	ug/L	MCAWW 365.2	05/10/07	7130279
		Dilution Factor: 1				
Sulfate		Work Order #: JT7161AA		MB Lot-Sample #:	F7D190000-185	
	ND	0.50	mg/L	MCAWW 300.0A	04/18/07	7109185
		Dilution Factor: 1				
Sulfate		Work Order #: JVMNR1AA		MB Lot-Sample #:	F7D200000-333	
	ND	0.50	mg/L	MCAWW 300.0A	04/19/07	7110333
		Dilution Factor: 1				
Sulfate		Work Order #: JVHRX1AA		MB Lot-Sample #:	F7D240000-119	
	ND	0.50	mg/L	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 1				
Sulfate		Work Order #: JVM2F1AA		MB Lot-Sample #:	F7D250000-567	
	ND	0.50	mg/L	MCAWW 300.0A	04/21/07	7115567
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: JVF9D1AA		MB Lot-Sample #:	F7D230000-099	
	ND	5.0	mg/L	MCAWW 310.1	04/23/07	7113099
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JWMNC1AA		MB Lot-Sample #:	F7E070000-183	
	ND	1.0	mg/L	SW846 9060	05/08/07	7127183
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JWMQJ1AA		MB Lot-Sample #:	F7E070000-184	
	ND	1.0	mg/L	SW846 9060	05/09/07	7127184
		Dilution Factor: 1				
TOX		Work Order #: JWJHA1AA		MB Lot-Sample #:	F7E090000-095	
	2.8 B	**5.0**	**ug/L**	**SW846 9020B**	**05/08/07**	**7129095**
		Dilution Factor: 1				
TOX		Work Order #: JWMD71AA		MB Lot-Sample #:	F7E100000-077	
	ND	5.0	ug/L	SW846 9020B	05/09/07	7130077
		Dilution Factor: 1				
TOX		Work Order #: JWWV51AA		MB Lot-Sample #:	F7E140000-087	
	ND	5.0	ug/L	SW846 9020B	05/11/07	7134087
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#:JT71Q1AC-LCS/JT71Q1AD-LCSD				LCS Lot-Sample#: F7D190000-183	
	2.00	1.91	mg/L	95		MCAWW 300.0A	04/18/07	7109183
	2.00	1.91	mg/L	95	0.18	MCAWW 300.0A	04/18/07	7109183
			Dilution Factor: 1					
Chloride			WO#:JVHRP1AC-LCS/JVHRP1AD-LCSD				LCS Lot-Sample#: F7D240000-117	
	2.00	1.80	mg/L	90		MCAWW 300.0A	04/20/07	7114117
	2.00	1.81	mg/L	91	0.83	MCAWW 300.0A	04/20/07	7114117
			Dilution Factor: 1					
Chloride			WO#:JVMNN1AC-LCS/JVMNN1AD-LCSD				LCS Lot-Sample#: F7D200000-331	
	2.00	1.83	mg/L	91		MCAWW 300.0A	04/19/07	7110331
	2.00	1.84	mg/L	92	0.52	MCAWW 300.0A	04/19/07	7110331
			Dilution Factor: 1					
Chloride			WO#:JVM2C1AC-LCS/JVM2C1AD-LCSD				LCS Lot-Sample#: F7D250000-565	
	2.00	1.81	mg/L	91		MCAWW 300.0A	04/21/07	7115565
	2.00	1.88	mg/L	94	3.6	MCAWW 300.0A	04/21/07	7115565
			Dilution Factor: 1					
Fluoride			WO#:JT7121AC-LCS/JT7121AD-LCSD				LCS Lot-Sample#: F7D190000-184	
	1.00	0.929	mg/L	93		MCAWW 300.0A	04/18/07	7109184
	1.00	0.946	mg/L	95	1.8	MCAWW 300.0A	04/18/07	7109184
			Dilution Factor: 1					
Fluoride			WO#:JVHRT1AC-LCS/JVHRT1AD-LCSD				LCS Lot-Sample#: F7D240000-118	
	1.00	0.909	mg/L	91		MCAWW 300.0A	04/20/07	7114118
	1.00	0.930	mg/L	93	2.2	MCAWW 300.0A	04/20/07	7114118
			Dilution Factor: 1					
Fluoride			WO#:JVMNP1AC-LCS/JVMNP1AD-LCSD				LCS Lot-Sample#: F7D200000-332	
	1.00	0.950	mg/L	95		MCAWW 300.0A	04/19/07	7110332
	1.00	0.932	mg/L	93	1.8	MCAWW 300.0A	04/19/07	7110332
			Dilution Factor: 1					
Fluoride			WO#:JVM2D1AC-LCS/JVM2D1AD-LCSD				LCS Lot-Sample#: F7D250000-566	
	1.00	0.925	mg/L	93		MCAWW 300.0A	04/21/07	7115566
	1.00	0.929	mg/L	93	0.39	MCAWW 300.0A	04/21/07	7115566
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:JT72C1AC-LCS/JT72C1AD-LCSD				LCS Lot-Sample#: F7D190000-187		
	0.400	0.380	mg/L	95		MCAWW 300.0A	04/18/07	7109187
	0.400	0.377	mg/L	94	0.87	MCAWW 300.0A	04/18/07	7109187
		Dilution Factor: 1						
Nitrate		WO#:JVHR41AC-LCS/JVHR41AD-LCSD				LCS Lot-Sample#: F7D240000-121		
	0.400	0.366	mg/L	92		MCAWW 300.0A	04/20/07	7114121
	0.400	0.367	mg/L	92	0.28	MCAWW 300.0A	04/20/07	7114121
		Dilution Factor: 1						
Nitrate		WO#:JVMN01AC-LCS/JVMN01AD-LCSD				LCS Lot-Sample#: F7D200000-335		
	0.400	0.367	mg/L	92		MCAWW 300.0A	04/19/07	7110335
	0.400	0.368	mg/L	92	0.16	MCAWW 300.0A	04/19/07	7110335
		Dilution Factor: 1						
Nitrate		WO#:JVM2J1AC-LCS/JVM2J1AD-LCSD				LCS Lot-Sample#: F7D250000-569		
	0.400	0.391	mg/L	98		MCAWW 300.0A	04/21/07	7115569
	0.400	0.382	mg/L	96	2.2	MCAWW 300.0A	04/21/07	7115569
		Dilution Factor: 1						
Nitrite		WO#:JT7171AC-LCS/JT7171AD-LCSD				LCS Lot-Sample#: F7D190000-186		
	0.160	0.150	mg/L	94		MCAWW 300.0A	04/18/07	7109186
	0.160	0.151	mg/L	94	0.88	MCAWW 300.0A	04/18/07	7109186
		Dilution Factor: 1						
Nitrite		WO#:JVHR21AC-LCS/JVHR21AD-LCSD				LCS Lot-Sample#: F7D240000-120		
	0.160	0.154	mg/L	96		MCAWW 300.0A	04/20/07	7114120
	0.160	0.161	mg/L	101	4.6	MCAWW 300.0A	04/20/07	7114120
		Dilution Factor: 1						
Nitrite		WO#:JVMNT1AC-LCS/JVMNT1AD-LCSD				LCS Lot-Sample#: F7D200000-334		
	0.160	0.155	mg/L	97		MCAWW 300.0A	04/19/07	7110334
	0.160	0.163	mg/L	102	5.0	MCAWW 300.0A	04/19/07	7110334
		Dilution Factor: 1						
Nitrite		WO#:JVM2H1AC-LCS/JVM2H1AD-LCSD				LCS Lot-Sample#: F7D250000-568		
	0.160	0.147	mg/L	92		MCAWW 300.0A	04/21/07	7115568
	0.160	0.165	mg/L	103	12	MCAWW 300.0A	04/21/07	7115568
		Dilution Factor: 1						

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:JT7161AC-LCS/JT7161AD-LCSD LCS Lot-Sample#: F7D190000-185						
	8.00	7.52	mg/L	94		MCAWW 300.0A	04/18/07	7109185
	8.00	7.47	mg/L	93	0.78	MCAWW 300.0A	04/18/07	7109185
		Dilution Factor: 1						
Sulfate		WO#:JVHRX1AC-LCS/JVHRX1AD-LCSD LCS Lot-Sample#: F7D240000-119						
	8.00	7.47	mg/L	93		MCAWW 300.0A	04/20/07	7114119
	8.00	7.41	mg/L	93	0.80	MCAWW 300.0A	04/20/07	7114119
		Dilution Factor: 1						
Sulfate		WO#:JVMNR1AC-LCS/JVMNR1AD-LCSD LCS Lot-Sample#: F7D200000-333						
	8.00	7.47	mg/L	93		MCAWW 300.0A	04/19/07	7110333
	8.00	7.37	mg/L	92	1.4	MCAWW 300.0A	04/19/07	7110333
		Dilution Factor: 1						
Sulfate		WO#:JVM2F1AC-LCS/JVM2F1AD-LCSD LCS Lot-Sample#: F7D250000-567						
	8.00	7.48	mg/L	94		MCAWW 300.0A	04/21/07	7115567
	8.00	7.82	mg/L	98	4.4	MCAWW 300.0A	04/21/07	7115567
		Dilution Factor: 1						
Total Alkalinity		WO#:JVF9D1AC-LCS/JVF9D1AD-LCSD LCS Lot-Sample#: F7D230000-099						
	200	203	mg/L	102		MCAWW 310.1	04/23/07	7113099
	200	204	mg/L	102	0.49	MCAWW 310.1	04/23/07	7113099
		Dilution Factor: 1						
Total Organic Carbon		WO#:JWMNC1AC-LCS/JWMNC1AD-LCSD LCS Lot-Sample#: F7E070000-183						
	6.00	5.79	mg/L	97		SW846 9060	05/08/07	7127183
	6.00	5.79	mg/L	97	0.01	SW846 9060	05/08/07	7127183
		Dilution Factor: 1						
Total Organic Carbon		WO#:JWMQJ1AC-LCS/JWMQJ1AD-LCSD LCS Lot-Sample#: F7E070000-184						
	6.00	5.99	mg/L	100		SW846 9060	05/09/07	7127184
	6.00	6.16	mg/L	103	2.8	SW846 9060	05/09/07	7127184
		Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho			Work Order #: JVHQ11AC		LCS Lot-Sample#:	F7D240000-133	
	300	303	ug/L	101	MCAWW 365.2	04/21/07	7114133
			Dilution Factor: 1				
Phosphate as P, Ortho			Work Order #: JWNEF1AC		LCS Lot-Sample#:	F7E100000-279	
	300	301	ug/L	100	MCAWW 365.2	05/10/07	7130279
			Dilution Factor: 1				
TOX			Work Order #: JWJHA1AC		LCS Lot-Sample#:	F7E090000-095	
	100	104	ug/L	104	SW846 9020B	05/08/07	7129095
			Dilution Factor: 1				
TOX			Work Order #: JWMD71AC		LCS Lot-Sample#:	F7E100000-077	
	100	102	ug/L	102	SW846 9020B	05/09/07	7130077
			Dilution Factor: 1				
TOX			Work Order #: JWWV51AC		LCS Lot-Sample#:	F7E140000-087	
	100	100	ug/L	100	SW846 9020B	05/11/07	7134087
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		JT5G81AH		MS Lot-Sample #:	F7D180186-002
	4.4	2.00	6.56	mg/L	107	MCAWW 300.0A	04/18/07	7109183
			Dilution Factor: 1					
Chloride			Work Order #...:		JT8EF1AM		MS Lot-Sample #:	F7D190178-003
	1.4	2.00	3.71 N	mg/L	118	MCAWW 300.0A	04/19/07	7110331
			Dilution Factor: 1					
Chloride			Work Order #...:		JVDDF1AK		MS Lot-Sample #:	F7D200312-007
	5.5	20.0	26.5 D	mg/L	105	MCAWW 300.0A	04/20/07	7114117
			Dilution Factor: 10					
Chloride			Work Order #...:		JVEP91AJ		MS Lot-Sample #:	F7D210107-005
	2.3	2.00	4.67 N	mg/L	116	MCAWW 300.0A	04/21/07	7115565
			Dilution Factor: 1					
Fluoride			Work Order #...:		JT5G81AJ		MS Lot-Sample #:	F7D180186-002
	0.27	2.00	2.22	mg/L	98	MCAWW 300.0A	04/18/07	7109184
			Dilution Factor: 1					
Fluoride			Work Order #...:		JT8EF1AN		MS Lot-Sample #:	F7D190178-003
	0.070	2.00	2.24	mg/L	108	MCAWW 300.0A	04/19/07	7110332
			Dilution Factor: 1					
Fluoride			Work Order #...:		JVDDF1AM		MS Lot-Sample #:	F7D200312-007
	0.42	2.00	2.83 N	mg/L	121	MCAWW 300.0A	04/20/07	7114118
			Dilution Factor: 1					
Fluoride			Work Order #...:		JVEP91AL		MS Lot-Sample #:	F7D210107-005
	0.21	2.00	2.29	mg/L	104	MCAWW 300.0A	04/21/07	7115566
			Dilution Factor: 1					
Nitrate			Work Order #...:		JT5G81AM		MS Lot-Sample #:	F7D180186-002
	10.5	8.00	18.4 D	mg/L	99	MCAWW 300.0A	04/18/07	7109187
			Dilution Factor: 20					
Nitrate			Work Order #...:		JT8EF1AR		MS Lot-Sample #:	F7D190178-003
	0.30	0.400	0.680	mg/L	96	MCAWW 300.0A	04/19/07	7110335
			Dilution Factor: 1					
Nitrate			Work Order #...:		JVDDF1AU		MS Lot-Sample #:	F7D200312-007
	1.6	4.00	5.72 D	mg/L	104	MCAWW 300.0A	04/20/07	7114121
			Dilution Factor: 10					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			Work Order #...:		JVEP91AT		MS Lot-Sample #:	F7D210107-005
	0.39	0.400	0.834 N	mg/L	111	MCAWW 300.0A	04/21/07	7115569
			Dilution Factor: 1					
Nitrite			Work Order #...:		JT5G81AL		MS Lot-Sample #:	F7D180186-002
	ND	0.100	0.256 N	mg/L	256	MCAWW 300.0A	04/18/07	7109186
			Dilution Factor: 1					
Nitrite			Work Order #...:		JT8EF1AQ		MS Lot-Sample #:	F7D190178-003
	ND	0.100	0.236 N	mg/L	236	MCAWW 300.0A	04/19/07	7110334
			Dilution Factor: 1					
Nitrite			Work Order #...:		JVDDF1AR		MS Lot-Sample #:	F7D200312-007
	ND	0.100	0.587 N	mg/L	587	MCAWW 300.0A	04/20/07	7114120
			Dilution Factor: 1					
Nitrite			Work Order #...:		JVEP91AQ		MS Lot-Sample #:	F7D210107-005
	ND	0.100	0.363 N	mg/L	363	MCAWW 300.0A	04/21/07	7115568
			Dilution Factor: 1					
Phosphate as P, Ortho			Work Order #...:		JT8D51AN		MS Lot-Sample #:	F7D190178-001
	8320	10000	17700 D	ug/L	94	MCAWW 365.2	04/21/07	7114133
			Dilution Factor: 50					
Phosphate as P, Ortho			Work Order #...:		JT8EF1A6		MS Lot-Sample #:	F7D190178-003
	ND	200	194	ug/L	96	MCAWW 365.2	05/10/07	7130279
			Dilution Factor: 1					
Sulfate			Work Order #...:		JT5G81AK		MS Lot-Sample #:	F7D180186-002
	25.8	80.0	102 D	mg/L	95	MCAWW 300.0A	04/18/07	7109185
			Dilution Factor: 20					
Sulfate			Work Order #...:		JT8EF1AP		MS Lot-Sample #:	F7D190178-003
	9.7	4.00	13.9	mg/L	104	MCAWW 300.0A	04/19/07	7110333
			Dilution Factor: 1					
Sulfate			Work Order #...:		JVDDF1AP		MS Lot-Sample #:	F7D200312-007
	22.0	40.0	59.3 D	mg/L	93	MCAWW 300.0A	04/20/07	7114119
			Dilution Factor: 10					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL687 **Matrix.....:** WATER
Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			Work Order #...:		JVEP91AN		MS Lot-Sample #:	F7D210107-005
	15.9	4.00	19.9	mg/L	101	MCAWW 300.0A	04/21/07	7115567
			Dilution Factor: 1					
Total Alkalinity			Work Order #...:		JVDE61AE		MS Lot-Sample #:	F7D200320-005
	106	100	199	mg/L	93	MCAWW 310.1	04/23/07	7113099
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		JVEQK1AN		MS Lot-Sample #:	F7D210109-008
	142	200	321 N	ug/L	89	SW846 9012	05/01-05/04/07	7121129
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JT8D51AK		MS Lot-Sample #:	F7D190178-001
	1.1	5.00	6.66	mg/L	112	SW846 9060	05/08/07	7127183
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JVEP51AD		MS Lot-Sample #:	F7D210107-001
	ND	5.00	5.64	mg/L	110	SW846 9060	05/08/07	7127183
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JVER01AD		MS Lot-Sample #:	F7D210111-011
	ND	5.00	5.56	mg/L	109	SW846 9060	05/09/07	7127184
			Dilution Factor: 1					
TOX			Work Order #...:		JVDE01AD		MS Lot-Sample #:	F7D200320-001
	7.0	100	107	ug/L	100	SW846 9020B	05/08/07	7129095
			Dilution Factor: 1					
TOX			Work Order #...:		JVEP81AD		MS Lot-Sample #:	F7D210107-004
	9.8	100	104	ug/L	94	SW846 9020B	05/09/07	7130077
			Dilution Factor: 1					
TOX			Work Order #...:		JVER01AF		MS Lot-Sample #:	F7D210111-011
	ND	100	105	ug/L	103	SW846 9020B	05/11/07	7134087
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JT5G8-SMP JT5G8-DUP **Matrix.....:** WATER

Date Sampled...: 04/17/07 **Date Received..:** 04/18/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7D180186-002	
	4.4 C	4.4 C	mg/L	0.41	(0-20)	MCAWW 300.0A	04/18/07	7109183
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7D180186-002	
	0.27	0.28	mg/L	2.9	(0-20)	MCAWW 300.0A	04/18/07	7109184
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7D180186-002	
	25.8 D	26.6 D	mg/L	2.7	(0-20)	MCAWW 300.0A	04/18/07	7109185
			Dilution Factor: 20					
Nitrite						SD Lot-Sample #:	F7D180186-002	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	04/18/07	7109186
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7D180186-002	
	10.5 D	10.4 D	mg/L	0.78	(0-20)	MCAWW 300.0A	04/18/07	7109187
			Dilution Factor: 20					

JW 05-30-07

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVDE6-SMP JVDE6-DUP **Matrix.....:** WATER

Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7D200320-005	
	106	104	mg/L	1.9	(0-20)	MCAWW 310.1	04/23/07	7113099

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVDDF-SMP JVDDF-DUP **Matrix.....:** WATER

Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7D200312-007	
	5.5 C,D	5.8 DC	mg/L	4.3	(0-20)	MCAWW 300.0A	04/20/07	7114117
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7D200312-007	
	0.42 N	0.42 N	mg/L	0.86	(0-20)	MCAWW 300.0A	04/20/07	7114118
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7D200312-007	
	22.0 D	21.8 D	mg/L	1.0	(0-20)	MCAWW 300.0A	04/20/07	7114119
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7D200312-007	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	04/20/07	7114120
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7D200312-007	
	1.6 D	1.6 D	mg/L	2.7	(0-20)	MCAWW 300.0A	04/20/07	7114121
			Dilution Factor: 10					

UM 05-30-07

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

DC Result obtained from dilution; Analyte deteced in method blank above MDL/IDL.

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JT8D5-SMP JT8D5-DUP **Matrix.....:** WATER

Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho						SD Lot-Sample #:	F7D190178-001	
	8320 D	8090 D	ug/L	2.8	(0-20)	MCAWW 365.2	04/21/07	7114133
			Dilution Factor: 50					
Total Organic Carbon						SD Lot-Sample #:	F7D190178-001	
	1.1	1.0	mg/L	5.1	(0-20)	SW846 9060	05/08/07	7127183
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVEP9-SMP JVEP9-DUP **Matrix.....:** WATER

Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7D210107-005	
	2.3 C,N	2.3 CN	mg/L	4.2	(0-20)	MCAWW 300.0A	04/21/07	7115565
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7D210107-005	
	0.21	0.21	mg/L	0.32	(0-20)	MCAWW 300.0A	04/21/07	7115566
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7D210107-005	
	15.9	16.4	mg/L	3.4	(0-20)	MCAWW 300.0A	04/21/07	7115567
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7D210107-005	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	04/21/07	7115568
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7D210107-005	
	0.39 N	0.39 N	mg/L	0.27	(0-20)	MCAWW 300.0A	04/21/07	7115569
			Dilution Factor: 1					

JW 05-30-07

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CN Result in method blank above MDL/RL; associated MS/MSD recovery outside limits.

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVEQK-SMP JVEQK-DUP **Matrix.....:** WATER

Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #:	F7D210109-008	
	142 N	137 N	ug/L	3.8	(0-20)	SW846 9012	05/01-05/04/07	7121129

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVER0-SMP JVER0-DUP **Matrix.....:** WATER

Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7D210111-011	
	ND	ND	mg/L	0	(0-20)	SW846 9060	05/09/07	7127184
			Dilution Factor: 1					
TOX						SD Lot-Sample #:	F7D210111-011	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	05/11/07	7134087
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVDE0-SMP JVDE0-DUP **Matrix.....:** WATER

Date Sampled...: 04/19/07 **Date Received..:** 04/20/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7D200320-001	
	7.0 C	3.8 B,C	ug/L	58	(0-20)	SW846 9020B	05/08/07	7129095

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JVEP8-SMP JVEP8-DUP **Matrix.....:** WATER

Date Sampled...: 04/20/07 **Date Received..:** 04/21/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7D210107-004	
	9.8	7.8	ug/L	22	(0-20)	SW846 9020B	05/09/07	7130077

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D180186 **Work Order #...:** JT8EF-SMP JT8EF-DUP **Matrix.....:** WATER

Date Sampled...: 04/18/07 **Date Received..:** 04/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho						SD Lot-Sample #:	F7D190178-003	
	ND	ND	ug/L	0.0	(0-20)	MCAWW 365.2	05/10/07	7130279
			Dilution Factor: 1					
Chloride						SD Lot-Sample #:	F7D190178-003	
	1.4 C,N	1.5 CN	mg/L	9.4	(0-20)	MCAWW 300.0A	04/19/07	7110331
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7D190178-003	
	0.070 B	0.075 B	mg/L	7.9	(0-20)	MCAWW 300.0A	04/19/07	7110332
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7D190178-003	
	9.7	9.5	mg/L	2.2	(0-20)	MCAWW 300.0A	04/19/07	7110333
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7D190178-003	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	04/19/07	7110334
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7D190178-003	
	0.30	0.32	mg/L	6.5	(0-20)	MCAWW 300.0A	04/19/07	7110335
			Dilution Factor: 1					

JM 05-30-07

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

CN Result in method blank above MDL/RL; associated MS/MSD recovery outside limits.

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.