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ANALYTICAL REPORT

W07-012

Lot #: F6L290154
SDG #: SL663

Dot Stewart

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

SEVERN TRENT LABORATORIES, INC.

for
Brian O'Donnell
Project Manager

February 21, 2007

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CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
February 21 2007
Attention: Dot Stewart

SDG	:	SL663
Number of Samples	:	54
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	January 12 2007

II. Introduction

Between December 29 2006 and January 4 2007, fifty-four (54) 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 (including illegible shipping number) 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

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V. Comments

General

The following SAFs are associated with this SDG: W07-012, S07-012, G07-012.

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 LCSD recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable LCSD recoveries. The RPD for one compound is outside of the QC limits. LCS/LCSD recoveries are acceptable.

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

Batch:
7009290

Affected Samples:

F7A050104 (2): B1LCL6
F7A050104 (3): B1LCW1
F7A050104 (5): B1LD28
F7A050104 (7): B1LD32
F7A050104 (9): B1LD37
F7A050104 (10): B1LM17

Phenols by GC

The Method Blank surrogate recovery for 2,4,6-Tribromophenol is outside acceptance limits. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.

The opening/closing CCV recovery for OCAL942 was outside the upper QC limit (greater than 15% RSD) for 2,4-Dinitro-o-Cresol and Dinoseb indicating a potential high bias for these analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:

F7A050102 (6): B1LH16
F7A050102 (18): B1LFX6

ICP Metals

Beryllium and Cadmium were observed in the CCB above the reporting limit. Associated samples were non-detect for the contaminant, and did not require re-analysis.

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Affected Samples:

F6L290154 (1): B1LJ65
F6L290154 (3): B1LJ75
F6L290154 (5): B1LJ80
F6L290154 (7): B1LJ85
F6L290154 (9): B1LJJ0
F6L290154 (11): B1LJ95
F6L290154 (13): B1LJB0
F6L290154 (15): B1LJD3
F6L290154 (17): B1LJJ5
F6L290154 (19): B1LJD8
F7A050102 (5): B1LH15
F7A050102 (11): B1LF38
F7A050102 (17): B1LFX5

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 6364036 is attributed to matrix interference.

Affected Samples:

F6L290154 (2): B1LJ66
F6L290154 (4): B1LJ76
F6L290154 (6): B1LJ81
F6L290154 (8): B1LJ86
F6L290154 (10): B1LJJ1
F6L290154 (12): B1LJ96
F6L290154 (14): B1LJB1
F6L290154 (16): B1LJD4
F6L290154 (18): B1LJJ6
F6L290154 (20): B1LJD9

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 7005110, and Nitrite in batch 7005112 is attributed to matrix interference.

The sample duplicate %RPD for Fluoride in batch 7005110 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7A050106 (2): B1LJW8

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 Nitrite in batch 7005107 is attributed to matrix interference.

The sample duplicate %RPD for Nitrite in batch 7005107 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7A050102 (6): B1LH16
F7A050102 (12): B1LF39
F7A050102 (18): B1LFX6
F7A050104 (1): B1LBW5
F7A050104 (2): B1LCL6
F7A050104 (5): B1LD28
F7A050104 (7): B1LD32
F7A050104 (9): B1LD37
F7A050104 (12): B1LDD0
F7A050106 (4): B1LJV8

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February 21, 2007
SDG: SL663

Affected Samples (continued):
F7A050104 (3): B1LCW1

The associated samples were analyzed at a dilution for one or more anions due to high concentration of target analyte. The reporting limit has been adjusted for the dilution.
Affected Samples:
F6L290154 (2): B1LJ66
F6L290154 (4): B1LJ76
F6L290154 (6): B1LJ81
F6L290154 (8): B1LJ86
F6L290154 (10): B1LJJ1
F6L290154 (12): B1LJ96
F6L290154 (14): B1LJB1
F6L290154 (16): B1LJD4
F6L290154 (20): B1LJD9
F7A050102 (6): B1LH16
F7A050102 (12): B1LF39
F7A050102 (18): B1LFX6
F7A050104 (1): B1LBW5
F7A050104 (2): B1LCL6
F7A050104 (3): B1LCW1
F7A050104 (5): B1LD28
F7A050104 (7): B1LD32
F7A050104 (9): B1LD37
F7A050104 (12): B1LDD0
F7A050106 (2): B1LJW8
F7A050106 (4): B1LJV8

Total Organic Carbon

Due to a QC assignment error, no SDG-specific matrix QC was performed for the associated samples. The MS and duplicate reported are from SDG SL665.
Affected Samples:
F7A050102 (13): B1LFX1
F7A050102 (14): B1LFX2
F7A050102 (15): B1LFX3
F7A050102 (16): B1LFX4

Total Organic Halides

The CCB for TOX batch 7030422 was above the reporting limit. Associated samples were non-detect for the contaminant, and did not require re-analysis.
Affected Samples:
F7A050102 (1): B1LH07
F7A050102 (3): B1LH09

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

ICP-MS Metals
Mercury

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Pacific Northwest National Laboratories
February 21, 2007
SDG: SL663

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

METHODS SUMMARY

SL663

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
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 as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

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

SL663 : F6L290154

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JL80L	001	B1LJ65	12/28/06	08:21
JL80P	002	B1LJ66	12/28/06	08:21
JL801	003	B1LJ75	12/28/06	11:33
JL803	004	B1LJ76	12/28/06	11:33
JL805	005	B1LJ80	12/28/06	11:03
JL807	006	B1LJ81	12/28/06	11:03
JL81A	007	B1LJ85	12/28/06	09:21
JL81C	008	B1LJ86	12/28/06	09:21
JL81G	009	B1LJJ0	12/28/06	09:37
JL81J	010	B1LJJ1	12/28/06	09:37
JL81M	011	B1LJ95	12/28/06	10:32
JL81N	012	B1LJ96	12/28/06	10:32
JL81Q	013	B1LJB0	12/28/06	11:40
JL81T	014	B1LJB1	12/28/06	11:40
JL81X	015	B1LJD3	12/28/06	10:10
JL811	016	B1LJD4	12/28/06	10:10
JL815	017	B1LJJ5	12/28/06	11:04
JL816	018	B1LJJ6	12/28/06	11:04
JL818	019	B1LJD8	12/28/06	10:07
JL819	020	B1LJD9	12/28/06	10:07

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

SL663 : F7A050102

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMFNJ	001	B1LH07	01/03/07	12:22
JMFNK	002	B1LH08	01/03/07	12:22
JMFNM	003	B1LH09	01/03/07	12:22
JMFNN	004	B1LH10	01/03/07	12:22
JMFNP	005	B1LH15	01/03/07	12:22
JMFNR	006	B1LH16	01/03/07	12:22
JMFNV	007	B1LF30	01/03/07	09:14
JMFNW	008	B1LF31	01/03/07	09:14
JMFNX	009	B1LF32	01/03/07	09:14
JMFN0	010	B1LF33	01/03/07	09:14
JMFN1	011	B1LF38	01/03/07	09:14
JMFN2	012	B1LF39	01/03/07	09:14
JMFN3	013	B1LFX1	01/03/07	13:16
JMFN4	014	B1LFX2	01/03/07	13:16
JMFN5	015	B1LFX3	01/03/07	13:16
JMFN6	016	B1LFX4	01/03/07	13:16
JMFN7	017	B1LFX5	01/03/07	13:16
JMFN8	018	B1LFX6	01/03/07	13:16

NOTE(S) :

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(Continued on next page)

SAMPLE SUMMARY

SL663 : F7A050104

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMFPA	001	B1LBW5	01/03/07	13:00
JMFPL	002	B1LCL6	01/03/07	11:47
JMFPM	003	B1LCW1	01/03/07	11:47
JMFPN	004	B1LD27	01/03/07	10:27
JMFPP	005	B1LD28	01/03/07	10:27
JMFPQ	006	B1LD31	01/03/07	10:27
JMFPR	007	B1LD32	01/03/07	10:27
JMFPX	008	B1LD36	01/03/07	09:23
JMFP0	009	B1LD37	01/03/07	09:23
JMFP1	010	B1LM17	01/03/07	09:23
JMFP2	011	B1LDC9	01/03/07	09:27
JMFP3	012	B1LDD0	01/03/07	09:27

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
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(Continued on next page)

SAMPLE SUMMARY

SL663 : F7A050106

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMFPE	001	B1LJW7	01/03/07	11:04
JMFPF	002	B1LJW8	01/03/07	11:04
JMFPJ	003	B1LJV7	01/03/07	10:15
JMFPK	004	B1LJV8	01/03/07	10:15

NOTE(S) :

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VOLATILES

Pacific Northwest National Laboratory

Client Sample ID: B1LCL6

GC/MS Volatiles

Lot-Sample #...: F7A050104-002 **Work Order #...:** JMFPL1AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**0.79 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
Dibromofluoromethane	97	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	98	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LCL6

GC/MS Volatiles

Lot-Sample #: F7A050104-002 **Work Order #:** JMFPL1AC **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: B1LCW1

GC/MS Volatiles

Lot-Sample #...: F7A050104-003 **Work Order #...:** JMFPM1AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	**0.28 J**	**1.0**	**ug/L**	**0.19**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**2.0**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
1,2-Dichloroethane-d4	90	(73 - 137)
4-Bromofluorobenzene	96	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LCW1

GC/MS Volatiles

Lot-Sample #: F7A050104-003 **Work Order #:** JMFPM1AC **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: B1LD28

GC/MS Volatiles

Lot-Sample #...: F7A050104-005 **Work Order #...:** JMFPP1AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**0.81 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	89	(73 - 137)
4-Bromofluorobenzene	95	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LD28

GC/MS Volatiles

Lot-Sample #: F7A050104-005 **Work Order #:** JMFPP1AC **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: B1LD32

GC/MS Volatiles

Lot-Sample #...: F7A050104-007 **Work Order #...:** JMFPR1AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**0.81 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(76 - 117)
Dibromofluoromethane	100	(82 - 130)
1,2-Dichloroethane-d4	93	(73 - 137)
4-Bromofluorobenzene	96	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LD32

GC/MS Volatiles

Lot-Sample #: F7A050104-007 **Work Order #:** JMFPR1AC **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: B1LD37

GC/MS Volatiles

Lot-Sample #...: F7A050104-009 **Work Order #...:** JMFP01AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**0.37 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
Dibromofluoromethane	94	(82 - 130)
1,2-Dichloroethane-d4	91	(73 - 137)
4-Bromofluorobenzene	94	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LD37

GC/MS Volatiles

Lot-Sample #: F7A050104-009 **Work Order #:** JMFP01AC **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: B1LM17

GC/MS Volatiles

Lot-Sample #...: F7A050104-010 **Work Order #...:** JMFP11AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**4.9**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
1,2-Dichloroethane-d4	89	(73 - 137)
4-Bromofluorobenzene	97	(75 - 114)

Pacific Northwest National Laboratory

B1LM17

GC/MS Volatiles

Lot-Sample #: F7A050104-010 **Work Order #:** JMFP11AC **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 #...: SL663 **Work Order #...:** JMM5A1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A090000-290

Prep Date.....: 01/09/07
Analysis Date..: 01/09/07 **Prep Batch #...:** 7009290
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	98	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
1,2-Dichloroethane-d4	94	(73 - 137)
4-Bromofluorobenzene	95	(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 #: F7A090000-290 B **Work Order #:** JMM5A1AA **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 #...: SL663 Work Order #...: JMM5A1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A090000-290 JMM5A1AD-LCSD
Prep Date.....: 01/09/07 Analysis Date..: 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.74	ug/L	97		SW846 8260B
	10.0	9.56	ug/L	96	1.8	SW846 8260B
Ethylbenzene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	0.59	SW846 8260B
1,4-Dioxane	200	201	ug/L	100		SW846 8260B
	200	200	ug/L	100	0.55	SW846 8260B
Vinyl chloride	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.34	ug/L	93	8.2	SW846 8260B
Acetone	10.0	7.50	ug/L	75		SW846 8260B
	10.0	9.00	ug/L	90	18	SW846 8260B
Methylene chloride	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.3	ug/L	113	3.6	SW846 8260B
Carbon disulfide	10.0	9.02	ug/L	90		SW846 8260B
	10.0	8.93	ug/L	89	1.0	SW846 8260B
1,1-Dichloroethane	10.0	9.50	ug/L	95		SW846 8260B
	10.0	9.81	ug/L	98	3.1	SW846 8260B
2-Butanone	10.0	11.2	ug/L	112		SW846 8260B
	10.0	8.77 p	ug/L	88	24	SW846 8260B
Chloroform	10.0	9.38	ug/L	94		SW846 8260B
	10.0	10.2	ug/L	102	8.6	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	0.76	SW846 8260B
Propionitrile	50.0	44.3	ug/L	89		SW846 8260B
	50.0	46.3	ug/L	93	4.5	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.99	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	1.1	SW846 8260B
1,1,1-Trichloroethane	10.0	9.53	ug/L	95		SW846 8260B
	10.0	9.71	ug/L	97	1.9	SW846 8260B
Carbon tetrachloride	10.0	9.52	ug/L	95		SW846 8260B
	10.0	9.60	ug/L	96	0.75	SW846 8260B
1,2-Dichloroethane	10.0	9.40	ug/L	94		SW846 8260B
	10.0	9.83	ug/L	98	4.4	SW846 8260B
Benzene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.2	ug/L	102	2.3	SW846 8260B
Trichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.4	ug/L	104	0.38	SW846 8260B
4-Methyl-2-pentanone	10.0	9.42	ug/L	94		SW846 8260B
	10.0	10.2	ug/L	102	7.7	SW846 8260B
1,1,2-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	2.7	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL663 **Work Order #...:** JMM5A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7A090000-290 JMM5A1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**0.49**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**43.0**	**ug/L**	**86**		**SW846 8260B**
	50.0	**49.3**	**ug/L**	**99**	**14**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.59**	**ug/L**	**96**		**SW846 8260B**
	10.0	**9.54**	**ug/L**	**95**	**0.50**	**SW846 8260B**
1-Butanol	**100**	**81.5**	**ug/L**	**81**		**SW846 8260B**
	100	**82.3**	**ug/L**	**82**	**1.0**	**SW846 8260B**
Toluene	**10.0**	**9.87**	**ug/L**	**99**		**SW846 8260B**
	10.0	**9.94**	**ug/L**	**99**	**0.66**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(90 - 118)
	97	(90 - 118)
Dibromofluoromethane	98	(83 - 125)
	101	(83 - 125)
1,2-Dichloroethane-d4	94	(75 - 135)
	97	(75 - 135)
4-Bromofluorobenzene	93	(78 - 119)
	90	(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 #...: SL663 Work Order #...: JMFPL1AJ-MS Matrix.....: WATER
MS Lot-Sample #: F7A050104-002 JMFPL1AK-MSD
Date Sampled...: 01/03/07 Date Received..: 01/04/07
Prep Date.....: 01/09/07 Analysis Date..: 01/09/07
Prep Batch #...: 7009290
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.77	SW846 8260B
Ethylbenzene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.5	ug/L	105	2.5	SW846 8260B
1,4-Dioxane	ND	200	198	ug/L	99		SW846 8260B
	ND	200	195	ug/L	98	1.6	SW846 8260B
Vinyl chloride	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.5	ug/L	105	2.0	SW846 8260B
Acetone	ND	10.0	8.80	ug/L	88		SW846 8260B
	ND	10.0	9.88	ug/L	99	12	SW846 8260B
Methylene chloride	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.68	ug/L	97	6.7	SW846 8260B
Carbon disulfide	ND	10.0	9.80	ug/L	98		SW846 8260B
	ND	10.0	9.54	ug/L	95	2.7	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	9.92	ug/L	99	5.3	SW846 8260B
2-Butanone	ND	10.0	9.55	ug/L	95		SW846 8260B
	ND	10.0	11.8	ug/L	118 p	21	SW846 8260B
Chloroform	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	10.8	ug/L	108	4.6	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.0	ug/L	110	6.2	SW846 8260B
Propionitrile	ND	50.0	47.8	ug/L	96		SW846 8260B
	ND	50.0	50.3	ug/L	101	5.2	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.3	ug/L	103	6.3	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.99	ug/L	100		SW846 8260B
	ND	10.0	9.86	ug/L	99	1.2	SW846 8260B
Carbon tetrachloride	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.61	ug/L	96	5.1	SW846 8260B
1,2-Dichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.3	ug/L	103	6.1	SW846 8260B
Benzene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	10.8	ug/L	108	3.2	SW846 8260B
Trichloroethene	0.79	10.0	12.1	ug/L	113		SW846 8260B
	0.79	10.0	11.6	ug/L	108	4.4	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.4	ug/L	104	4.0	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.1	ug/L	111	2.0	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL663 **Work Order #...:** JMFPL1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A050104-002 JMFPL1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**3.8**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**50.8**	**ug/L**	**102**		**SW846 8260B**
	ND	**50.0**	**48.7**	**ug/L**	**97**	**4.3**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**3.1**	**SW846 8260B**
1-Butanol	**ND**	**100**	**88.1**	**ug/L**	**88**		**SW846 8260B**
	ND	**100**	**86.7**	**ug/L**	**87**	**1.6**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**10.3**	**ug/L**	**103**	**3.0**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
	97	(76 - 117)
Dibromofluoromethane	103	(82 - 130)
	100	(82 - 130)
1,2-Dichloroethane-d4	88	(73 - 137)
	88	(73 - 137)
4-Bromofluorobenzene	91	(75 - 114)
	89	(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.

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1LH16

GC Semivolatiles

Lot-Sample #...: F7A050102-006 **Work Order #...:** JMFNR1AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7009224
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	64	(55 - 118)
2-Fluorophenol	58	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1LFX6

GC Semivolatiles

Lot-Sample #...: F7A050102-018 **Work Order #...:** JMFN81AC **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7009224
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	69	(55 - 118)
2-Fluorophenol	60	(40 - 98)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL663 **Work Order #...:** JMKLG1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A090000-224

Prep Date.....: 01/09/07
Analysis Date..: 01/23/07 **Prep Batch #...:** 7009224
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-Trichloro-phenol	ND	5.0	ug/L	SW846 8040A
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8040A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	61 *	(66 - 99)
2-Fluorophenol	54	(50 - 82)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL663 **Work Order #...:** JMKLG1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A090000-224
Prep Date.....: 01/09/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7009224
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**68.1**	**ug/L**	**68**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**72.2**	**ug/L**	**72**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**70.3**	**ug/L**	**70**	**SW846 8040A**
2-Methylphenol	**100**	**69.0**	**ug/L**	**69**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**69.2**	**ug/L**	**69**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**70.2**	**ug/L**	**70**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**69.9**	**ug/L**	**70**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**73.2**	**ug/L**	**73**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**79.7**	**ug/L**	**80**	**SW846 8040A**
Dinoseb	**100**	**86.0**	**ug/L**	**86**	**SW846 8040A**
2-Nitrophenol	**100**	**73.0**	**ug/L**	**73**	**SW846 8040A**
4-Nitrophenol	**100**	**78.2**	**ug/L**	**78**	**SW846 8040A**
Pentachlorophenol	**100**	**74.0**	**ug/L**	**74**	**SW846 8040A**
Phenol	**100**	**68.1**	**ug/L**	**68**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**68.8**	**ug/L**	**69**	**SW846 8040A**
2,4,5-Trichloro-phenol	**100**	**71.3**	**ug/L**	**71**	**SW846 8040A**
2,4,6-Trichloro-phenol	**100**	**71.3**	**ug/L**	**71**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(66 - 99)
2-Fluorophenol	66	(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 #...: SL663 **Work Order #...:** JMFNR1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A050102-006 JMFNR1AK-MSD
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07
Prep Date.....: 01/09/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7009224
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.0	54.2	ug/L	57		SW846 8040A
	ND	94.8	56.2	ug/L	59	3.6	SW846 8040A
4-Chloro-3-methylphenol	ND	95.0	58.0	ug/L	61		SW846 8040A
	ND	94.8	59.3	ug/L	63	2.1	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.0	56.5	ug/L	59		SW846 8040A
	ND	94.8	58.7	ug/L	62	3.9	SW846 8040A
2-Methylphenol	ND	95.0	55.3	ug/L	58		SW846 8040A
	ND	94.8	57.5	ug/L	61	3.8	SW846 8040A
2,4-Dichlorophenol	ND	95.0	55.1	ug/L	58		SW846 8040A
	ND	94.8	57.1	ug/L	60	3.6	SW846 8040A
2,6-Dichlorophenol	ND	95.0	56.1	ug/L	59		SW846 8040A
	ND	94.8	58.0	ug/L	61	3.4	SW846 8040A
2,4-Dimethylphenol	ND	95.0	55.9	ug/L	59		SW846 8040A
	ND	94.8	57.7	ug/L	61	3.2	SW846 8040A
2,4-Dinitrophenol	ND	95.0	60.0	ug/L	63		SW846 8040A
	ND	94.8	59.4	ug/L	63	1.0	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.0	66.5	ug/L	70		SW846 8040A
	ND	94.8	63.1	ug/L	67	5.2	SW846 8040A
Dinoseb	ND	95.0	72.3	ug/L	76		SW846 8040A
	ND	94.8	64.1	ug/L	68	12	SW846 8040A
2-Nitrophenol	ND	95.0	57.3	ug/L	60		SW846 8040A
	ND	94.8	59.8	ug/L	63	4.2	SW846 8040A
4-Nitrophenol	ND	95.0	65.7	ug/L	69		SW846 8040A
	ND	94.8	66.0	ug/L	70	0.39	SW846 8040A
Pentachlorophenol	ND	95.0	62.0	ug/L	65		SW846 8040A
	ND	94.8	58.9	ug/L	62	5.2	SW846 8040A
Phenol	ND	95.0	54.8	ug/L	58		SW846 8040A
	ND	94.8	57.4	ug/L	61	4.6	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.0	57.4	ug/L	60		SW846 8040A
	ND	94.8	56.9	ug/L	60	1.0	SW846 8040A
2,4,5-Trichlorophenol	ND	95.0	57.2	ug/L	60		SW846 8040A
	ND	94.8	58.1	ug/L	61	1.5	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL663 **Work Order #...:** JMFNR1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A050102-006 JMFNR1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.0**	**57.2**	**ug/L**	**60**		**SW846 8040A**
	ND	**94.8**	**58.1**	**ug/L**	**61**	**1.6**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	68	(55 - 118)
	65	(55 - 118)
2-Fluorophenol	55	(40 - 98)
	57	(40 - 98)

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 #...: SL663 Work Order #...: JMJL71A4-MS Matrix.....: WATER
MS Lot-Sample #: F7A080182-004 JMJL71A5-MSD
Date Sampled...: 01/05/07 Date Received..: 01/06/07
Prep Date.....: 01/09/07 Analysis Date..: 01/23/07
Prep Batch #...: 7009224
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	94.8	59.5	ug/L	63		SW846 8040A
	ND	95.1	58.0	ug/L	61	2.6	SW846 8040A
4-Chloro-3-methylphenol	ND	94.8	62.6	ug/L	66		SW846 8040A
	ND	95.1	61.1	ug/L	64	2.3	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	94.8	61.2	ug/L	65		SW846 8040A
	ND	95.1	59.9	ug/L	63	2.1	SW846 8040A
2-Methylphenol	ND	94.8	60.0	ug/L	63		SW846 8040A
	ND	95.1	58.6	ug/L	62	2.4	SW846 8040A
2,4-Dichlorophenol	ND	94.8	59.9	ug/L	63		SW846 8040A
	ND	95.1	58.7	ug/L	62	1.9	SW846 8040A
2,6-Dichlorophenol	ND	94.8	60.7	ug/L	64		SW846 8040A
	ND	95.1	59.3	ug/L	62	2.2	SW846 8040A
2,4-Dimethylphenol	ND	94.8	57.4	ug/L	61		SW846 8040A
	ND	95.1	56.2	ug/L	59	2.2	SW846 8040A
2,4-Dinitrophenol	ND	94.8	63.2	ug/L	67		SW846 8040A
	ND	95.1	61.4	ug/L	65	2.9	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	94.8	68.7	ug/L	72		SW846 8040A
	ND	95.1	66.1	ug/L	70	3.8	SW846 8040A
Dinoseb	ND	94.8	73.8	ug/L	78		SW846 8040A
	ND	95.1	71.7	ug/L	75	2.9	SW846 8040A
2-Nitrophenol	ND	94.8	62.4	ug/L	66		SW846 8040A
	ND	95.1	61.5	ug/L	65	1.6	SW846 8040A
4-Nitrophenol	ND	94.8	67.8	ug/L	71		SW846 8040A
	ND	95.1	66.3	ug/L	70	2.2	SW846 8040A
Pentachlorophenol	ND	94.8	63.6	ug/L	67		SW846 8040A
	ND	95.1	61.7	ug/L	65	3.0	SW846 8040A
Phenol	ND	94.8	59.9	ug/L	63		SW846 8040A
	ND	95.1	58.7	ug/L	62	1.9	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	94.8	59.5	ug/L	63		SW846 8040A
	ND	95.1	57.7	ug/L	61	3.0	SW846 8040A
2,4,5-Trichlorophenol	ND	94.8	61.6	ug/L	65		SW846 8040A
	ND	95.1	60.5	ug/L	64	1.9	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL663 **Work Order #...:** JMJL71A4-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A080182-004 JMJL71A5-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**94.8**	**61.7**	**ug/L**	**65**		**SW846 8040A**
	ND	**95.1**	**60.3**	**ug/L**	**63**	**2.2**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	71	(55 - 118)
	68	(55 - 118)
2-Fluorophenol	61	(40 - 98)
	59	(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: B1LJ65

DISSOLVED Metals

Lot-Sample #...: F6L290154-001 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**38.6 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL80L1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**37200**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL80L1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**276**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL80L1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JL80L1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**13000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL80L1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4010 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL80L1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJ65

DISSOLVED Metals

Lot-Sample #...: F6L290154-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	26500	5000	ug/L	SW846 6010B	01/05-01/16/07	JL80L1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	157	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	25.7 B	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	12.6 B	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL80L1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJ75

DISSOLVED Metals

Lot-Sample #...: F6L290154-003 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**36.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8011AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29200**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8011AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.1 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8011AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**27.4 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8011AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9770**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8011AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8011AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4100 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8011AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJ75

DISSOLVED Metals

Lot-Sample #...: F6L290154-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	29400	5000	ug/L	SW846 6010B	01/05-01/16/07	JL8011AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	129	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	27.6 B	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	9.9 B	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL8011AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJ80

DISSOLVED Metals

Lot-Sample #...: F6L290154-005 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**35.0 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29400**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**83.8**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JL8051AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10100**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2600 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8051AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJ80

DISSOLVED Metals

Lot-Sample #...: F6L290154-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**27900**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8051AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**125**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**29.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8051AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL8051AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJ85

DISSOLVED Metals

Lot-Sample #...: F6L290154-007 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**26.7 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81A1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**25000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81A1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**8.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81A1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JL81A1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8230**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81A1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**3.1 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81A1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3670 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81A1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJ85

DISSOLVED Metals

Lot-Sample #...: F6L290154-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	23000	5000	ug/L	SW846 6010B	01/05-01/16/07	JL81A1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	107	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	30.2 B	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	11.0 B	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL81A1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJJ0

DISSOLVED Metals

Lot-Sample #...: F6L290154-009 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**23.5 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**25900**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**27.6 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81G1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8840**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2380 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81G1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJJ0

DISSOLVED Metals

Lot-Sample #...: F6L290154-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81G1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**152**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**33.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81G1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL81G1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7005250						
Arsenic	**4.8 B**	**10.0**	**ug/L**	**SW846 6020**	**01/05-01/08/07**	**JL81G1AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJ95

DISSOLVED Metals

Lot-Sample #...: F6L290154-011 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**21.4 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**20800**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**29.4 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81M1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7500**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.7 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**1590 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81M1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJ95

DISSOLVED Metals

Lot-Sample #...: F6L290154-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81M1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**85.6**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**31.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81M1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL81M1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJB0

DISSOLVED Metals

Lot-Sample #...: F6L290154-013 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**34.8 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81Q1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**28000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81Q1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**12.7**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81Q1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**43.0 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81Q1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8910**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81Q1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**3.0 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81Q1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4620 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81Q1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJB0

DISSOLVED Metals

Lot-Sample #...: F6L290154-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	28300	5000	ug/L	SW846 6010B	01/05-01/16/07	JL81Q1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	123	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	27.3 B	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	10.4 B	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL81Q1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJD3

DISSOLVED Metals

Lot-Sample #...: F6L290154-015 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**22.9 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**23000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**26.2**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JL81X1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7760**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2810 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81X1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJD3

DISSOLVED Metals

Lot-Sample #...: F6L290154-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**23700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL81X1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**96.0**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**32.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL81X1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL81X1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJJ5

DISSOLVED Metals

Lot-Sample #...: F6L290154-017 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**16.9 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8151AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**18400**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8151AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JL8151AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6190**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8151AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3170 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8151AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJJ5

DISSOLVED Metals

Lot-Sample #...: F6L290154-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18100**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8151AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**88.7**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8151AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**33.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8151AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL8151AV
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7005250

Arsenic	**4.3 B**	**10.0**	**ug/L**	**SW846 6020**	**01/05-01/08/07**	**JL8151AW**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJD8

DISSOLVED Metals

Lot-Sample #...: F6L290154-019 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**27.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8181AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**21200**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8181AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**26.4 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8181AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7070**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8181AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4040 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8181AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJD8

DISSOLVED Metals

Lot-Sample #...: F6L290154-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18100**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JL8181AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**90.8**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8181AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**31.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JL8181AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JL8181AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LH15

DISSOLVED Metals

Lot-Sample #...: F7A050102-005 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**77.9 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**42100**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**35.0 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFNP1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**14000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5050**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFNP1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LH15

DISSOLVED Metals

Lot-Sample #...: F7A050102-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**23100**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFNP1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**240**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**19.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFNP1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JMFNP1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7005250						
Lead	ND	3.0	ug/L	SW846 6020	01/05-01/08/07	JMFNP1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7008126						
Mercury	ND	0.20	ug/L	SW846 7470A	01/08/07	JMFNP1AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LF38

DISSOLVED Metals

Lot-Sample #...: F7A050102-011 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**20.8 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN11AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**19600**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN11AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**6.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN11AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JMFN11AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**4240 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN11AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN11AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2690 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFN11AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LF38

DISSOLVED Metals

Lot-Sample #...: F7A050102-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	156000	5000	ug/L	SW846 6010B	01/05-01/16/07	JMFN11AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	103	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	19.3 B	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	12.0 B	20.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN11AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LFX5

DISSOLVED Metals

Lot-Sample #...: F7A050102-017 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**64.0 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**59600**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**46.0 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFN71AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**18500**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7760**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFN71AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LFX5

DISSOLVED Metals

Lot-Sample #...: F7A050102-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**27700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/16/07**	**JMFN71AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**321**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**15.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/15/07**	**JMFN71AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JMFN71AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7005250						
Lead	ND	3.0	ug/L	SW846 6020	01/05-01/08/07	JMFN71AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7008126						
Mercury	ND	0.20	ug/L	SW846 7470A	01/08/07	JMFN71AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LD27

DISSOLVED Metals

Lot-Sample #...: F7A050104-004 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**58.8 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPN1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**62500 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPN1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/09/07	JMFPN1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**13700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPN1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5880**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPN1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD27

DISSOLVED Metals

Lot-Sample #...: F7A050104-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**25200**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPN1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**289**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPN1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**8.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPN1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPN1AV
		Dilution Factor: 1		MDL.....: 9.6		

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: B1LD31

DISSOLVED Metals

Lot-Sample #...: F7A050104-006 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**58.2 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPQ1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**62200 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPQ1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**29.0 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPQ1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**13700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPQ1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.8 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPQ1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6380**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPQ1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD31

DISSOLVED Metals

Lot-Sample #...: F7A050104-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	24100	5000	ug/L	SW846 6010B	01/05-01/09/07	JMFPQ1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	286	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.1 B	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	11.4 B	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPQ1AV
		Dilution Factor: 1		MDL.....: 9.6		

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: B1LD36

DISSOLVED Metals

Lot-Sample #...: F7A050104-008 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**39.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**46500 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**8.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**26.2 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPX1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9710**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3890 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPX1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD36

DISSOLVED Metals

Lot-Sample #...: F7A050104-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**15000**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPX1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**189**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**8.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPX1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPX1AV
		Dilution Factor: 1		MDL.....: 9.6		

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: B1LDC9

DISSOLVED Metals

Lot-Sample #...: F7A050104-011 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**103 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**18900 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/09/07	JMFP21AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6830**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6780**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFP21AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LDC9

DISSOLVED Metals

Lot-Sample #...: F7A050104-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**26800**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFP21AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**212**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**36.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFP21AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFP21AV
		Dilution Factor: 1		MDL.....: 9.6		

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: B1LJW7

DISSOLVED Metals

Lot-Sample #...: F7A050106-001 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**40.0 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPE1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**67000 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPE1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPE1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/05-01/09/07	JMFPE1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12500**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPE1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/05-01/09/07	JMFPE1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJW7

DISSOLVED Metals

Lot-Sample #...: F7A050106-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**4610 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPE1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**322**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPE1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPE1AV
		Dilution Factor: 1		MDL.....: 9.6		

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: B1LJV7

DISSOLVED Metals

Lot-Sample #...: F7A050106-003 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7005249						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**51.6 B**	**200**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPJ1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**65300 C**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPJ1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPJ1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**26.4 B**	**100**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPJ1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**11700**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPJ1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/05-01/09/07	JMFPJ1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJV7

DISSOLVED Metals

Lot-Sample #...: F7A050106-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**4320 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/09/07**	**JMFPJ1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**307**	**50.0**	**ug/L**	**SW846 6010B**	**01/05-01/11/07**	**JMFPJ1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/11/07	JMFPJ1AV
		Dilution Factor: 1		MDL.....: 9.6		

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.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7A050000-247 **Prep Batch #...:** 7005247						
Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	01/05-01/16/07	JMGAX1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	01/05-01/16/07	JMGAX1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	01/05-01/16/07	JMGAX1AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/15/07	JMGAX1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7A050000-249 **Prep Batch #...:** 7005249

Antimony	ND	60.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31AW
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	01/05-01/10/07	JMGC31AX
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A0
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A1
		Dilution Factor: 1				
Calcium	**42.7 B**	**5000**	**ug/L**	**SW846 6010B**	**01/05-01/10/07**	**JMGC31A2**
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A3
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A4
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A5
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	01/05-01/09/07	JMGC31A6
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A7
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31A9
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6010B	01/05-01/09/07	JMGC31CA
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31CC
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	01/05-01/09/07	JMGC31CD
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31CE
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31CF
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	01/05-01/10/07	JMGC31CG
		Dilution Factor: 1				

MB Lot-Sample #: F7A050000-250 **Prep Batch #...:** 7005250

Arsenic	ND	10.0	ug/L	SW846 6020	01/05-01/08/07	JMGC71AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6020	01/05-01/08/07	JMGC71AC
		Dilution Factor: 1				

MB Lot-Sample #: F7A080000-126 **Prep Batch #...:** 7008126

Mercury	ND	0.20	ug/L	SW846 7470A	01/08/07	JMHWP1AA
		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 #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7A050000-247 **Prep Batch #...:** 7005247							
Antimony	500	515	ug/L	103	SW846 6010B	01/05-01/15/07	JMGAX1AW
			Dilution Factor: 1				
Barium	500	505	ug/L	101	SW846 6010B	01/05-01/15/07	JMGAX1AX
			Dilution Factor: 1				
Beryllium	500	537	ug/L	107	SW846 6010B	01/05-01/15/07	JMGAX1A0
			Dilution Factor: 1				
Cadmium	500	525	ug/L	105	SW846 6010B	01/05-01/15/07	JMGAX1A1
			Dilution Factor: 1				
Calcium	10000	10300	ug/L	103	SW846 6010B	01/05-01/15/07	JMGAX1A2
			Dilution Factor: 1				
Chromium	500	513	ug/L	103	SW846 6010B	01/05-01/15/07	JMGAX1A3
			Dilution Factor: 1				
Cobalt	500	508	ug/L	102	SW846 6010B	01/05-01/15/07	JMGAX1A4
			Dilution Factor: 1				
Copper	500	496	ug/L	99	SW846 6010B	01/05-01/15/07	JMGAX1A5
			Dilution Factor: 1				
Iron	500	534	ug/L	107	SW846 6010B	01/05-01/16/07	JMGAX1A6
			Dilution Factor: 1				
Magnesium	10000	10400	ug/L	104	SW846 6010B	01/05-01/15/07	JMGAX1A7
			Dilution Factor: 1				
Manganese	500	515	ug/L	103	SW846 6010B	01/05-01/15/07	JMGAX1A8
			Dilution Factor: 1				
Nickel	500	508	ug/L	102	SW846 6010B	01/05-01/15/07	JMGAX1A9
			Dilution Factor: 1				
Potassium	10000	10300	ug/L	103	SW846 6010B	01/05-01/16/07	JMGAX1CA
			Dilution Factor: 1				
Silver	125	126	ug/L	101	SW846 6010B	01/05-01/15/07	JMGAX1CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10700	ug/L	107	SW846 6010B	01/05-01/16/07	JMGAX1CD
			Dilution Factor: 1				
Strontium	500	539	ug/L	108	SW846 6010B	01/05-01/15/07	JMGAX1CE
			Dilution Factor: 1				
Vanadium	500	508	ug/L	102	SW846 6010B	01/05-01/15/07	JMGAX1CF
			Dilution Factor: 1				
Zinc	500	497	ug/L	99	SW846 6010B	01/05-01/15/07	JMGAX1CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7A050000-249 **Prep Batch #...:** 7005249							
Antimony	500	523	ug/L	105	SW846 6010B	01/05-01/10/07	JMGC31C4
			Dilution Factor: 1				
Barium	500	513	ug/L	103	SW846 6010B	01/05-01/10/07	JMGC31C5
			Dilution Factor: 1				
Beryllium	500	556	ug/L	111	SW846 6010B	01/05-01/10/07	JMGC31C6
			Dilution Factor: 1				
Cadmium	500	530	ug/L	106	SW846 6010B	01/05-01/10/07	JMGC31C7
			Dilution Factor: 1				
Calcium	10000	10600	ug/L	106	SW846 6010B	01/05-01/10/07	JMGC31C8
			Dilution Factor: 1				
Chromium	500	525	ug/L	105	SW846 6010B	01/05-01/10/07	JMGC31C9
			Dilution Factor: 1				
Cobalt	500	519	ug/L	104	SW846 6010B	01/05-01/10/07	JMGC31DA
			Dilution Factor: 1				
Copper	500	508	ug/L	102	SW846 6010B	01/05-01/10/07	JMGC31DC
			Dilution Factor: 1				
Iron	500	534	ug/L	107	SW846 6010B	01/05-01/09/07	JMGC31DD
			Dilution Factor: 1				
Magnesium	10000	10700	ug/L	107	SW846 6010B	01/05-01/10/07	JMGC31DE
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	500	527	ug/L	105	SW846 6010B	01/05-01/10/07	JMGC31DF
			Dilution Factor: 1				
Nickel	500	520	ug/L	104	SW846 6010B	01/05-01/10/07	JMGC31DG
			Dilution Factor: 1				
Potassium	10000	9810	ug/L	98	SW846 6010B	01/05-01/09/07	JMGC31DH
			Dilution Factor: 1				
Silver	125	127	ug/L	101	SW846 6010B	01/05-01/10/07	JMGC31DJ
			Dilution Factor: 1				
Sodium	10000	10800	ug/L	108	SW846 6010B	01/05-01/09/07	JMGC31DK
			Dilution Factor: 1				
Strontium	500	526	ug/L	105	SW846 6010B	01/05-01/10/07	JMGC31DL
			Dilution Factor: 1				
Vanadium	500	519	ug/L	104	SW846 6010B	01/05-01/10/07	JMGC31DM
			Dilution Factor: 1				
Zinc	500	503	ug/L	101	SW846 6010B	01/05-01/10/07	JMGC31DN
			Dilution Factor: 1				
LCS Lot-Sample#: F7A050000-250 **Prep Batch #...:** 7005250							
Arsenic	500	468	ug/L	94	SW846 6020	01/05-01/08/07	JMGC71AD
			Dilution Factor: 1				
Lead	500	520	ug/L	104	SW846 6020	01/05-01/08/07	JMGC71AE
			Dilution Factor: 1				
LCS Lot-Sample#: F7A080000-126 **Prep Batch #...:** 7008126							
Mercury	1.00	1.20	ug/L	120	SW846 7470A	01/08/07	JMHWP1AC
			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 #...: SL663 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

MS Lot-Sample #: F6L290154-009 **Prep Batch #...:** 7005247

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	250	ug/L	100		SW846 6010B	01/05-01/15/07	JL81G1AX
	ND	250	240	ug/L	96	4.0	SW846 6010B	01/05-01/15/07	JL81G1A0
			Dilution Factor: 1						
Barium									
	23.5	1000	993	ug/L	97		SW846 6010B	01/05-01/15/07	JL81G1A1
	23.5	1000	1000	ug/L	98	0.86	SW846 6010B	01/05-01/15/07	JL81G1A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	26.2	ug/L	105		SW846 6010B	01/05-01/15/07	JL81G1A3
	ND	25.0	26.4	ug/L	105	0.80	SW846 6010B	01/05-01/15/07	JL81G1A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.1	ug/L	100		SW846 6010B	01/05-01/15/07	JL81G1A5
	ND	25.0	25.0	ug/L	100	0.16	SW846 6010B	01/05-01/15/07	JL81G1A6
			Dilution Factor: 1						
Calcium									
	25900	25000	49500	ug/L	94		SW846 6010B	01/05-01/15/07	JL81G1A7
	25900	25000	49600	ug/L	95	0.19	SW846 6010B	01/05-01/15/07	JL81G1A8
			Dilution Factor: 1						
Chromium									
	3.2	100	102	ug/L	98		SW846 6010B	01/05-01/15/07	JL81G1A9
	3.2	100	102	ug/L	99	0.23	SW846 6010B	01/05-01/15/07	JL81G1CA
			Dilution Factor: 1						
Cobalt									
	ND	250	242	ug/L	97		SW846 6010B	01/05-01/15/07	JL81G1CC
	ND	250	243	ug/L	97	0.48	SW846 6010B	01/05-01/15/07	JL81G1CD
			Dilution Factor: 1						
Copper									
	ND	125	121	ug/L	97		SW846 6010B	01/05-01/15/07	JL81G1CE
	ND	125	122	ug/L	98	0.70	SW846 6010B	01/05-01/15/07	JL81G1CF
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	27.6	500	555	ug/L	105		SW846 6010B	01/05-01/16/07	JL81G1CG
	27.6	500	549	ug/L	104	0.95	SW846 6010B	01/05-01/16/07	JL81G1CH
			Dilution Factor: 1						
Magnesium									
	8840	25000	33200	ug/L	97		SW846 6010B	01/05-01/15/07	JL81G1CJ
	8840	25000	33300	ug/L	98	0.41	SW846 6010B	01/05-01/15/07	JL81G1CK
			Dilution Factor: 1						
Manganese									
	4.5	250	249	ug/L	98		SW846 6010B	01/05-01/15/07	JL81G1CL
	4.5	250	251	ug/L	99	0.79	SW846 6010B	01/05-01/15/07	JL81G1CM
			Dilution Factor: 1						
Nickel									
	ND	250	242	ug/L	97		SW846 6010B	01/05-01/15/07	JL81G1CN
	ND	250	243	ug/L	97	0.68	SW846 6010B	01/05-01/15/07	JL81G1CP
			Dilution Factor: 1						
Potassium									
	2380	25000	29300	ug/L	108		SW846 6010B	01/05-01/16/07	JL81G1CQ
	2380	25000	30100	ug/L	111	2.7	SW846 6010B	01/05-01/16/07	JL81G1CR
			Dilution Factor: 1						
Silver									
	ND	25.0	25.0	ug/L	100		SW846 6010B	01/05-01/15/07	JL81G1CT
	ND	25.0	23.7	ug/L	95	5.5	SW846 6010B	01/05-01/15/07	JL81G1CU
			Dilution Factor: 1						
Sodium									
	18700	25000	44100	ug/L	102		SW846 6010B	01/05-01/16/07	JL81G1CV
	18700	25000	43900	ug/L	101	0.54	SW846 6010B	01/05-01/16/07	JL81G1CW
			Dilution Factor: 1						
Strontium									
	152	500	669	ug/L	103		SW846 6010B	01/05-01/15/07	JL81G1CX
	152	500	673	ug/L	104	0.61	SW846 6010B	01/05-01/15/07	JL81G1C0
			Dilution Factor: 1						
Vanadium									
	33.2	250	278	ug/L	98		SW846 6010B	01/05-01/15/07	JL81G1C1
	33.2	250	279	ug/L	98	0.15	SW846 6010B	01/05-01/15/07	JL81G1C2
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	239	ug/L	96		SW846 6010B	01/05-01/15/07	JL81G1C3
	ND	250	242	ug/L	97	1.0	SW846 6010B	01/05-01/15/07	JL81G1C4

Dilution Factor: 1

MS Lot-Sample #: F6L290154-009 **Prep Batch #...:** 7005250

Arsenic									
	4.8	1000	878	ug/L	87		SW846 6020	01/05-01/08/07	JL81G1C5
	4.8	1000	953	ug/L	95	8.2	SW846 6020	01/05-01/08/07	JL81G1C6

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 #...: SL663 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A050102-017 **Prep Batch #...:** 7008126									
Mercury									
	ND	1.00	1.11	ug/L	111		SW846 7470A	01/08/07	JMFN71A0
	ND	1.00	1.18	ug/L	118	6.1	SW846 7470A	01/08/07	JMFN71A1

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 #...: SL663 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

MS Lot-Sample #: F7A050104-004 **Prep Batch #...:** 7005249

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	237	ug/L	95		SW846 6010B	01/05-01/11/07	JMFPN1AW
	ND	250	238	ug/L	95	0.55	SW846 6010B	01/05-01/11/07	JMFPN1AX
			Dilution Factor: 1						
Barium									
	58.8	1000	1050	ug/L	99		SW846 6010B	01/05-01/11/07	JMFPN1A0
	58.8	1000	1040	ug/L	99	0.78	SW846 6010B	01/05-01/11/07	JMFPN1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	26.4	ug/L	106		SW846 6010B	01/05-01/11/07	JMFPN1A2
	ND	25.0	26.3	ug/L	105	0.53	SW846 6010B	01/05-01/11/07	JMFPN1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	24.9	ug/L	99		SW846 6010B	01/05-01/11/07	JMFPN1A4
	ND	25.0	24.7	ug/L	99	0.48	SW846 6010B	01/05-01/11/07	JMFPN1A5
			Dilution Factor: 1						
Calcium									
	62500	25000	87500	ug/L	100		SW846 6010B	01/05-01/11/07	JMFPN1A6
	62500	25000	86500	ug/L	96	1.2	SW846 6010B	01/05-01/11/07	JMFPN1A7
			Dilution Factor: 1						
Chromium									
	ND	100	102	ug/L	102		SW846 6010B	01/05-01/11/07	JMFPN1A8
	ND	100	102	ug/L	102	0.95	SW846 6010B	01/05-01/11/07	JMFPN1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	245	ug/L	98		SW846 6010B	01/05-01/11/07	JMFPN1CA
	ND	250	243	ug/L	97	0.50	SW846 6010B	01/05-01/11/07	JMFPN1CC
			Dilution Factor: 1						
Copper									
	ND	125	126	ug/L	100		SW846 6010B	01/05-01/11/07	JMFPN1CD
	ND	125	125	ug/L	100	0.47	SW846 6010B	01/05-01/11/07	JMFPN1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	524	ug/L	105		SW846 6010B	01/05-01/09/07	JMFPN1CF
	ND	500	532	ug/L	106	1.4	SW846 6010B	01/05-01/09/07	JMFPN1CG
			Dilution Factor: 1						
Magnesium									
	13700	25000	38800	ug/L	100		SW846 6010B	01/05-01/11/07	JMFPN1CH
	13700	25000	38500	ug/L	99	0.77	SW846 6010B	01/05-01/11/07	JMFPN1CJ
			Dilution Factor: 1						
Manganese									
	ND	250	251	ug/L	100		SW846 6010B	01/05-01/11/07	JMFPN1CK
	ND	250	249	ug/L	100	0.70	SW846 6010B	01/05-01/11/07	JMFPN1CL
			Dilution Factor: 1						
Nickel									
	ND	250	246	ug/L	98		SW846 6010B	01/05-01/11/07	JMFPN1CM
	ND	250	245	ug/L	98	0.16	SW846 6010B	01/05-01/11/07	JMFPN1CN
			Dilution Factor: 1						
Potassium									
	5880	25000	32100	ug/L	105		SW846 6010B	01/05-01/09/07	JMFPN1CP
	5880	25000	29300	ug/L	94	9.4	SW846 6010B	01/05-01/09/07	JMFPN1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	23.5	ug/L	94		SW846 6010B	01/05-01/11/07	JMFPN1CR
	ND	25.0	22.7	ug/L	91	3.8	SW846 6010B	01/05-01/11/07	JMFPN1CT
			Dilution Factor: 1						
Sodium									
	25200	25000	50700	ug/L	102		SW846 6010B	01/05-01/09/07	JMFPN1CU
	25200	25000	51700	ug/L	106	2.0	SW846 6010B	01/05-01/09/07	JMFPN1CV
			Dilution Factor: 1						
Strontium									
	289	500	797	ug/L	102		SW846 6010B	01/05-01/11/07	JMFPN1CW
	289	500	790	ug/L	100	0.88	SW846 6010B	01/05-01/11/07	JMFPN1CX
			Dilution Factor: 1						
Vanadium									
	8.7	250	255	ug/L	99		SW846 6010B	01/05-01/11/07	JMFPN1C0
	8.7	250	258	ug/L	100	1.2	SW846 6010B	01/05-01/11/07	JMFPN1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL663 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	242	ug/L	97		SW846 6010B	01/05-01/11/07	JMFPN1C2
	ND	250	241	ug/L	96	0.50	SW846 6010B	01/05-01/11/07	JMFPN1C3

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: B1LJ66

General Chemistry

Lot-Sample #...: F6L290154-002 **Work Order #...:** JL80P **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**6.9 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.39**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**26.6 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**18.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LJ76

General Chemistry

Lot-Sample #...: F6L290154-004 **Work Order #...:** JL803 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**11.1 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.37**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**15.7 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**20.1 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LJ81

General Chemistry

Lot-Sample #...: F6L290154-006 **Work Order #...:** JL807 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**7.2 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.39**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**15.9 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**18.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LJ86

General Chemistry

Lot-Sample #...: F6L290154-008 **Work Order #...:** JL81C **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**6.8 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.47**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.9 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**20.2 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LJJ1

General Chemistry

Lot-Sample #...: F6L290154-010 **Work Order #...:** JL81J **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**3.4**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.55**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.4 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**15.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LJ96

General Chemistry

Lot-Sample #...: F6L290154-012 **Work Order #...:** JL81N **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**5.0**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.50**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**1.4 D**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 5		MDL.....: 0.020		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**14.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LJB1

General Chemistry

Lot-Sample #...: F6L290154-014 **Work Order #...:** JL81T **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.3 D	2.0	mg/L	MCAWW 300.0A	12/29/06	6364033
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.42	0.10	mg/L	MCAWW 300.0A	12/29/06	6364034
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	6.1 D	0.20	mg/L	MCAWW 300.0A	12/29/06	6364037
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.15 N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	29.8 D	5.0	mg/L	MCAWW 300.0A	12/29/06	6364035
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LJD4

General Chemistry

Lot-Sample #...: F6L290154-016 **Work Order #...:** JL811 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**5.4 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.44**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.7 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**14.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LJJ6

General Chemistry

Lot-Sample #...: F6L290154-018 **Work Order #...:** JL816 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**1.7**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.56**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.59**	**0.020**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**12.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		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: B1LJD9

General Chemistry

Lot-Sample #...: F6L290154-020 **Work Order #...:** JL819 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**4.8**	**0.20**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364033**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.43**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364034**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**1.5 D**	**0.10**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364037**
		Dilution Factor: 5		MDL.....: 0.020		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**14.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**12/29/06**	**6364035**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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: B1LH07

General Chemistry

Lot-Sample #...: F7A050102-001 **Work Order #...:** JMFNJ **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	01/25/07	7030422

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LH08

General Chemistry

Lot-Sample #...: F7A050102-002 **Work Order #...:** JMFNK **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LH09

General Chemistry

Lot-Sample #...: F7A050102-003 **Work Order #...:** JMFNM **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	01/25/07	7030422

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LH10

General Chemistry

Lot-Sample #...: F7A050102-004 **Work Order #...:** JMFNN **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LH16

General Chemistry

Lot-Sample #...: F7A050102-006 **Work Order #...:** JMFNR **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	13.3 D	2.0	mg/L	MCAWW 300.0A	01/04/07	7005104
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.54	0.10	mg/L	MCAWW 300.0A	01/04/07	7005105
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	11.2 D	0.40	mg/L	MCAWW 300.0A	01/04/07	7005108
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	0.12 N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	35.7 D	5.0	mg/L	MCAWW 300.0A	01/04/07	7005106
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LF30

General Chemistry

Lot-Sample #...: F7A050102-007 **Work Order #...:** JMFNV **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**10.3**	**5.0**	**ug/L**	**SW846 9020B**	**01/29/07**	**7030423**

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LF31

General Chemistry

Lot-Sample #...: F7A050102-008 **Work Order #...:** JMFNW **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**13.3**	**5.0**	**ug/L**	**SW846 9020B**	**01/29/07**	**7030423**

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LF32

General Chemistry

Lot-Sample #...: F7A050102-009 **Work Order #...:** JMFNX **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**11.3**	**5.0**	**ug/L**	**SW846 9020B**	**01/29/07**	**7030423**

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LF33

General Chemistry

Lot-Sample #...: F7A050102-010 **Work Order #...:** JMFN0 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	**11.0**	**5.0**	**ug/L**	**SW846 9020B**	**01/29/07**	**7030423**

Dilution Factor: 1 MDL.....: 2.6

Pacific Northwest National Laboratory

Client Sample ID: B1LF39

General Chemistry

Lot-Sample #...: F7A050102-012 **Work Order #...:** JMFN2 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**63.7 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005104**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.76**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**14.4 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005108**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**118 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005106**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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: B1LFX1

General Chemistry

Lot-Sample #...: F7A050102-013 **Work Order #...:** JMFN3 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	01/15/07	7009436
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LFX2

General Chemistry

Lot-Sample #...: F7A050102-014 **Work Order #...:** JMFN4 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	01/15/07	7009436
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LFX3

General Chemistry

Lot-Sample #...: F7A050102-015 **Work Order #...:** JMFN5 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	01/15/07	7009436
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LFX4

General Chemistry

Lot-Sample #...: F7A050102-016 **Work Order #...:** JMFN6 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	01/15/07	7009436
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LFX6

General Chemistry

Lot-Sample #...: F7A050102-018 **Work Order #...:** JMFN8 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**14.5 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.42**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**15.2 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005108**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**79.7 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LBW5

General Chemistry

Lot-Sample #...: F7A050104-001 **Work Order #...:** JMFPA **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**6.6 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.20**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**10.2 D**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005108**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**35.0 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LCL6

General Chemistry

Lot-Sample #...: F7A050104-002 Work Order #...: JMFPL Matrix.....: WATER
Date Sampled...: 01/03/07 Date Received..: 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	12.3 D	2.0	mg/L	MCAWW 300.0A	01/04/07	7005104
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.41	0.10	mg/L	MCAWW 300.0A	01/04/07	7005105
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	4.7 D	0.20	mg/L	MCAWW 300.0A	01/04/07	7005108
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.15 N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	36.1 D	5.0	mg/L	MCAWW 300.0A	01/04/07	7005106
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LCW1

General Chemistry

Lot-Sample #...: F7A050104-003 **Work Order #...:** JMFPM **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.2 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.37**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.1 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005108**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.19 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005107**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**42.8 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LD28

General Chemistry

Lot-Sample #...: F7A050104-005 **Work Order #...:** JMFPP **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**23.9 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.26**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**15.3 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005108**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**42.7 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LD32

General Chemistry

Lot-Sample #...: F7A050104-007 **Work Order #...:** JMFPR **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**23.0 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.32**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**15.3 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005108**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	**0.25 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005107**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**41.7 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LD37

General Chemistry

Lot-Sample #...: F7A050104-009 **Work Order #...:** JMFP0 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**16.2 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.26**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.7 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005108**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**33.0 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LDD0

General Chemistry

Lot-Sample #...: F7A050104-012 **Work Order #...:** JMFP3 **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**10.9 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.24**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.98 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005108**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**31.4 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1LJW8

General Chemistry

Lot-Sample #...: F7A050106-002 **Work Order #...:** JMFPF **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**12.9 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005109**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.068 B,C,N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005110**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**22.3 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005113**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04-01/05/07	7005112
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	01/04-01/05/07	7005114
		Dilution Factor: 1		MDL.....: 0.10		
Sulfate	**77.5 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04-01/05/07**	**7005111**
		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.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LJV8

General Chemistry

Lot-Sample #...: F7A050106-004 **Work Order #...:** JMFPK **Matrix.....:** WATER
Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**12.0 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005104**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.061 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005105**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**14.1 D**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005108**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	01/04-01/05/07	7005114
		Dilution Factor: 1		MDL.....: 0.10		
Sulfate	**76.7 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005106**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JMHTF1AA		MB Lot-Sample #:	F7A050000-104	
	ND	0.20	mg/L	MCAWW 300.0A	01/04/07	7005104
		Dilution Factor: 1				
Chloride		Work Order #: JMGTX1AA		MB Lot-Sample #:	F7A050000-109	
	0.049 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005109**
		Dilution Factor: 1				
Chloride		Work Order #: JMA4H1AA		MB Lot-Sample #:	F6L300000-033	
	ND	0.20	mg/L	MCAWW 300.0A	12/29/06	6364033
		Dilution Factor: 1				
Fluoride		Work Order #: JMHTJ1AA		MB Lot-Sample #:	F7A050000-105	
	ND	0.10	mg/L	MCAWW 300.0A	01/04/07	7005105
		Dilution Factor: 1				
Fluoride		Work Order #: JMGT11AA		MB Lot-Sample #:	F7A050000-110	
	0.033 B	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/04/07**	**7005110**
		Dilution Factor: 1				
Fluoride		Work Order #: JMA4J1AA		MB Lot-Sample #:	F6L300000-034	
	ND	0.10	mg/L	MCAWW 300.0A	12/29/06	6364034
		Dilution Factor: 1				
Nitrate		Work Order #: JMHTQ1AA		MB Lot-Sample #:	F7A050000-108	
	ND	0.020	mg/L	MCAWW 300.0A	01/04/07	7005108
		Dilution Factor: 1				
Nitrate		Work Order #: JMGT81AA		MB Lot-Sample #:	F7A050000-113	
	ND	0.020	mg/L	MCAWW 300.0A	01/04/07	7005113
		Dilution Factor: 1				
Nitrate		Work Order #: JMA4M1AA		MB Lot-Sample #:	F6L300000-037	
	ND	0.020	mg/L	MCAWW 300.0A	12/29/06	6364037
		Dilution Factor: 1				
Nitrite		Work Order #: JMHTP1AA		MB Lot-Sample #:	F7A050000-107	
	ND	0.020	mg/L	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1				
Nitrite		Work Order #: JMGT61AA		MB Lot-Sample #:	F7A050000-112	
	ND	0.020	mg/L	MCAWW 300.0A	01/04/07	7005112
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite		Work Order #: JMA4L1AA		MB Lot-Sample #:	F6L300000-036	
	ND	0.020	mg/L	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1				
Phosphate as P, Ortho		Work Order #: JMGVA1AA		MB Lot-Sample #:	F7A050000-114	
	ND	0.50	mg/L	MCAWW 300.0A	01/04/07	7005114
		Dilution Factor: 1				
Sulfate		Work Order #: JMHTL1AA		MB Lot-Sample #:	F7A050000-106	
	ND	0.50	mg/L	MCAWW 300.0A	01/04/07	7005106
		Dilution Factor: 1				
Sulfate		Work Order #: JMGT31AA		MB Lot-Sample #:	F7A050000-111	
	ND	0.50	mg/L	MCAWW 300.0A	01/04/07	7005111
		Dilution Factor: 1				
Sulfate		Work Order #: JMA4K1AA		MB Lot-Sample #:	F6L300000-035	
	ND	0.50	mg/L	MCAWW 300.0A	12/29/06	6364035
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JMV441AA		MB Lot-Sample #:	F7A090000-436	
	ND	1.0	mg/L	SW846 9060	01/15/07	7009436
		Dilution Factor: 1				
TOX		Work Order #: JNLQD1AA		MB Lot-Sample #:	F7A300000-422	
	ND	5.0	ug/L	SW846 9020B	01/25/07	7030422
		Dilution Factor: 1				
TOX		Work Order #: JNLQW1AA		MB Lot-Sample #:	F7A300000-423	
	ND	5.0	ug/L	SW846 9020B	01/29/07	7030423
		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 #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:JMA4H1AC-LCS/JMA4H1AD-LCSD				LCS Lot-Sample#: F6L300000-033		
	2.00	1.80	mg/L	90		MCAWW 300.0A	12/29/06	6364033
	2.00	1.82	mg/L	91	0.76	MCAWW 300.0A	12/29/06	6364033
			Dilution Factor: 1					
Chloride		WO#:JMGTX1AC-LCS/JMGTX1AD-LCSD				LCS Lot-Sample#: F7A050000-109		
	2.00	2.10	mg/L	105		MCAWW 300.0A	01/04/07	7005109
	2.00	2.11	mg/L	105	0.34	MCAWW 300.0A	01/04/07	7005109
			Dilution Factor: 1					
Chloride		WO#:JMHTF1AC-LCS/JMHTF1AD-LCSD				LCS Lot-Sample#: F7A050000-104		
	2.00	1.88	mg/L	94		MCAWW 300.0A	01/04/07	7005104
	2.00	1.92	mg/L	96	2.3	MCAWW 300.0A	01/04/07	7005104
			Dilution Factor: 1					
Fluoride		WO#:JMA4J1AC-LCS/JMA4J1AD-LCSD				LCS Lot-Sample#: F6L300000-034		
	1.00	0.927	mg/L	93		MCAWW 300.0A	12/29/06	6364034
	1.00	0.971	mg/L	97	4.6	MCAWW 300.0A	12/29/06	6364034
			Dilution Factor: 1					
Fluoride		WO#:JMGT11AC-LCS/JMGT11AD-LCSD				LCS Lot-Sample#: F7A050000-110		
	1.00	0.980	mg/L	98		MCAWW 300.0A	01/04/07	7005110
	1.00	0.960	mg/L	96	2.1	MCAWW 300.0A	01/04/07	7005110
			Dilution Factor: 1					
Fluoride		WO#:JMHTJ1AC-LCS/JMHTJ1AD-LCSD				LCS Lot-Sample#: F7A050000-105		
	1.00	0.989	mg/L	99		MCAWW 300.0A	01/04/07	7005105
	1.00	0.961	mg/L	96	2.9	MCAWW 300.0A	01/04/07	7005105
			Dilution Factor: 1					
Nitrate		WO#:JMA4M1AC-LCS/JMA4M1AD-LCSD				LCS Lot-Sample#: F6L300000-037		
	0.400	0.426	mg/L	107		MCAWW 300.0A	12/29/06	6364037
	0.400	0.409	mg/L	102	4.0	MCAWW 300.0A	12/29/06	6364037
			Dilution Factor: 1					
Nitrate		WO#:JMGT81AC-LCS/JMGT81AD-LCSD				LCS Lot-Sample#: F7A050000-113		
	0.400	0.437	mg/L	109		MCAWW 300.0A	01/04/07	7005113
	0.400	0.431	mg/L	108	1.5	MCAWW 300.0A	01/04/07	7005113
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:JMHTQ1AC-LCS/JMHTQ1AD-LCSD				LCS Lot-Sample#: F7A050000-108		
	0.400	0.362	mg/L	90		MCAWW 300.0A	01/04/07	7005108
	0.400	0.430	mg/L	108	17	MCAWW 300.0A	01/04/07	7005108
		Dilution Factor: 1						
Nitrite		WO#:JMA4L1AC-LCS/JMA4L1AD-LCSD				LCS Lot-Sample#: F6L300000-036		
	0.160	0.150	mg/L	94		MCAWW 300.0A	12/29/06	6364036
	0.160	0.152	mg/L	95	1.4	MCAWW 300.0A	12/29/06	6364036
		Dilution Factor: 1						
Nitrite		WO#:JMGT61AC-LCS/JMGT61AD-LCSD				LCS Lot-Sample#: F7A050000-112		
	0.160	0.166	mg/L	104		MCAWW 300.0A	01/04/07	7005112
	0.160	0.159	mg/L	99	4.6	MCAWW 300.0A	01/04/07	7005112
		Dilution Factor: 1						
Nitrite		WO#:JMHTP1AC-LCS/JMHTP1AD-LCSD				LCS Lot-Sample#: F7A050000-107		
	0.160	0.150	mg/L	93		MCAWW 300.0A	01/04/07	7005107
	0.160	0.170	mg/L	106	13	MCAWW 300.0A	01/04/07	7005107
		Dilution Factor: 1						
Phosphate as P, Ortho		WO#:JMGVA1AC-LCS/JMGVA1AD-LCSD				LCS Lot-Sample#: F7A050000-114		
	8.00	8.39	mg/L	105		MCAWW 300.0A	01/04/07	7005114
	8.00	8.24	mg/L	103	1.8	MCAWW 300.0A	01/04/07	7005114
		Dilution Factor: 1						
Sulfate		WO#:JMA4K1AC-LCS/JMA4K1AD-LCSD				LCS Lot-Sample#: F6L300000-035		
	8.00	7.57	mg/L	95		MCAWW 300.0A	12/29/06	6364035
	8.00	7.83	mg/L	98	3.3	MCAWW 300.0A	12/29/06	6364035
		Dilution Factor: 1						
Sulfate		WO#:JMGT31AC-LCS/JMGT31AD-LCSD				LCS Lot-Sample#: F7A050000-111		
	8.00	8.07	mg/L	101		MCAWW 300.0A	01/04/07	7005111
	8.00	7.97	mg/L	100	1.2	MCAWW 300.0A	01/04/07	7005111
		Dilution Factor: 1						
Sulfate		WO#:JMHTL1AC-LCS/JMHTL1AD-LCSD				LCS Lot-Sample#: F7A050000-106		
	8.00	7.50	mg/L	94		MCAWW 300.0A	01/04/07	7005106
	8.00	7.82	mg/L	98	4.1	MCAWW 300.0A	01/04/07	7005106
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL663 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #:	JMV441AE	LCS Lot-Sample#:	F7A090000-436	
	6.00	6.37	mg/L	106	SW846 9060	01/15/07	7009436
			Dilution Factor: 1				
TOX			Work Order #:	JNLQD1AC	LCS Lot-Sample#:	F7A300000-422	
	100	101	ug/L	101	SW846 9020B	01/25/07	7030422
			Dilution Factor: 1				
TOX			Work Order #:	JNLQW1AC	LCS Lot-Sample#:	F7A300000-423	
	100	108	ug/L	108	SW846 9020B	01/29/07	7030423
			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 #...: SL663 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		JL8161AH		MS Lot-Sample #:	F6L290154-018
	1.7	2.00	3.67	mg/L	98	MCAWW 300.0A	12/29/06	6364033
			Dilution Factor: 1					
Chloride			Work Order #...:		JMFPM1AJ		MS Lot-Sample #:	F7A050104-003
	17.2	20.0	36.5 D	mg/L	97	MCAWW 300.0A	01/04/07	7005104
			Dilution Factor: 10					
Chloride			Work Order #...:		JMFPF1AL		MS Lot-Sample #:	F7A050106-002
	12.9	20.0	33.4 D	mg/L	103	MCAWW 300.0A	01/04-01/05/07	7005109
			Dilution Factor: 10					
Fluoride			Work Order #...:		JL8161AK		MS Lot-Sample #:	F6L290154-018
	0.56	2.00	2.60	mg/L	102	MCAWW 300.0A	12/29/06	6364034
			Dilution Factor: 1					
Fluoride			Work Order #...:		JMFPM1AL		MS Lot-Sample #:	F7A050104-003
	0.37	2.00	2.34	mg/L	98	MCAWW 300.0A	01/04/07	7005105
			Dilution Factor: 1					
Fluoride			Work Order #...:		JMFPF1AN		MS Lot-Sample #:	F7A050106-002
	0.068	2.00	2.35 N	mg/L	114	MCAWW 300.0A	01/04-01/05/07	7005110
			Dilution Factor: 1					
Nitrate			Work Order #...:		JL8161AR		MS Lot-Sample #:	F6L290154-018
	0.59	0.400	1.00	mg/L	104	MCAWW 300.0A	12/29/06	6364037
			Dilution Factor: 1					
Nitrate			Work Order #...:		JMFPM1AT		MS Lot-Sample #:	F7A050104-003
	6.1	4.00	10.1 D	mg/L	99	MCAWW 300.0A	01/04/07	7005108
			Dilution Factor: 10					
Nitrate			Work Order #...:		JMFPF1AV		MS Lot-Sample #:	F7A050106-002
	22.3	20.0	44.4 D	mg/L	110	MCAWW 300.0A	01/04-01/05/07	7005113
			Dilution Factor: 50					
Nitrite			Work Order #...:		JL8161AP		MS Lot-Sample #:	F6L290154-018
	ND	0.100	0.0707 N	mg/L	71	MCAWW 300.0A	12/29/06	6364036
			Dilution Factor: 1					
Nitrite			Work Order #...:		JMFPM1AQ		MS Lot-Sample #:	F7A050104-003
	0.19	0.100	0.268 N	mg/L	76	MCAWW 300.0A	01/04/07	7005107
			Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL663 **Matrix.....:** WATER
Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite			Work Order #...:		JMFPF1AT	MS Lot-Sample #: F7A050106-002		
	ND	0.100	0.0713 N	mg/L	71	MCAWW 300.0A	01/04-01/05/07	7005112
			Dilution Factor: 1					
Phosphate as P, Ortho			Work Order #...:		JMFPF1AJ	MS Lot-Sample #: F7A050106-002		
	ND	4.00	3.88	mg/L	97	MCAWW 300.0A	01/04-01/05/07	7005114
			Dilution Factor: 1					
Sulfate			Work Order #...:		JL8161AM	MS Lot-Sample #: F6L290154-018		
	12.6	4.00	17.0	mg/L	109	MCAWW 300.0A	12/29/06	6364035
			Dilution Factor: 1					
Sulfate			Work Order #...:		JMFPM1AN	MS Lot-Sample #: F7A050104-003		
	42.8	40.0	82.5 D	mg/L	99	MCAWW 300.0A	01/04/07	7005106
			Dilution Factor: 10					
Sulfate			Work Order #...:		JMFPF1AQ	MS Lot-Sample #: F7A050106-002		
	77.5	40.0	117 D	mg/L	99	MCAWW 300.0A	01/04-01/05/07	7005111
			Dilution Factor: 10					
Total Organic Carbon			Work Order #...:		JMGV81AD	MS Lot-Sample #: F7A050284-001		
	ND	5.00	5.89	mg/L	118	SW846 9060	01/15/07	7009436
			Dilution Factor: 1					
TOX			Work Order #...:		JMFNJ1AC	MS Lot-Sample #: F7A050102-001		
	ND	100	112	ug/L	112	SW846 9020B	01/25/07	7030422
			Dilution Factor: 1					
TOX			Work Order #...:		JMFNK1AC	MS Lot-Sample #: F7A050102-002		
	ND	100	113	ug/L	113	SW846 9020B	01/29/07	7030423
			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.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L290154 **Work Order #...:** JL816-SMP JL816-DUP **Matrix.....:** WATER

Date Sampled...: 12/28/06 **Date Received..:** 12/29/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F6L290154-018	
	1.7	2.0	mg/L	18	(0-20)	MCAWW 300.0A	12/29/06	6364033
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F6L290154-018	
	0.56	0.60	mg/L	7.4	(0-20)	MCAWW 300.0A	12/29/06	6364034
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F6L290154-018	
	12.6	12.7	mg/L	0.27	(0-20)	MCAWW 300.0A	12/29/06	6364035
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F6L290154-018	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	12/29/06	6364036
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F6L290154-018	
	0.59	0.57	mg/L	3.5	(0-20)	MCAWW 300.0A	12/29/06	6364037
			Dilution Factor: 1					

02-21-07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L290154 **Work Order #...:** JMFPM-SMP JMFPM-DUP **Matrix.....:** WATER

Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A050104-003	
	17.2 D	16.9 D	mg/L	1.8	(0-20)	MCAWW 300.0A	01/04/07	7005104
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7A050104-003	
	0.37	0.34	mg/L	8.4	(0-20)	MCAWW 300.0A	01/04/07	7005105
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A050104-003	
	42.8 D	42.2 D	mg/L	1.4	(0-20)	MCAWW 300.0A	01/04/07	7005106
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7A050104-003	
	0.19 N	ND N 02-21-07	mg/L	200	(0-20)	MCAWW 300.0A	01/04/07	7005107
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A050104-003	
	6.1 D	6.0 D	mg/L	2.7	(0-20)	MCAWW 300.0A	01/04/07	7005108
			Dilution Factor: 10					

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 #...: F6L290154 **Work Order #...:** JMFPF-SMP JMFPF-DUP **Matrix.....:** WATER

Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A050106-002	
	12.9 C,D	11.8 DC	mg/L	8.6	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005109
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7A050106-002	
	0.068 B,C,N	0.091 B,CN	mg/L	30	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005110
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A050106-002	
	77.5 D	76.2 D	mg/L	1.7	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005111
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7A050106-002	
	ND N JW 02-21-07	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005112
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A050106-002	
	22.3 D	22.3 D	mg/L	0.17	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005113
			Dilution Factor: 50					
Phosphate as P, Ortho						SD Lot-Sample #:	F7A050106-002	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/04-01/05/07	7005114
			Dilution Factor: 1					

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.

B Estimated result. Result is less than RL.

CN Result in method blank above MDL/RL; associated MS/MSD recovery outside limits.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L290154 **Work Order #...:** JMGV8-SMP JMGV8-DUP **Matrix.....:** WATER

Date Sampled...: 01/04/07 **Date Received..:** 01/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7A050284-001	
	ND	ND	mg/L	0	(0-20)	SW846 9060	01/15/07	7009436

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L290154 **Work Order #...:** JMFNJ-SMP JMFNJ-DUP **Matrix.....:** WATER

Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7A050102-001	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	01/25/07	7030422

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F6L290154 **Work Order #...:** JMFNK-SMP JMFNK-DUP **Matrix.....:** WATER

Date Sampled...: 01/03/07 **Date Received..:** 01/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7A050102-002	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	01/29/07	7030423

Dilution Factor: 1

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-10

Page 1 of 1

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** 6610-06-05 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980-7771-9202
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
B1LBW5		W	1/3/7	1300	1x20-mL P	Activity Scan	None
B1LBW5		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 F. M. HALL		JAN 0 3 2007	1400	FED EX		JAN 0 3 2007	
Fed ex			1-4-07 0915	B. [illegible]			1/4/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-334

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GWO-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6574
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
B1LCL6		W	1-3-07	1147	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LCL6		W	↓	↓	1x20-mL P	Activity Scan	None
B1LCL6		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. P. CONNOLLY			1400 JAN 03 2007	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
[illegible]			1-4-07 0915	[illegible]			1/4/07 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

PNNL S2663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-350**

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** Cwo-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6514
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
B1LCW1		W	1-3-07	1314	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LCW1		W	↓	↓	1x20-mL P	Activity Scan	None
B1LCW1		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. P. CONNOLLY			JAN 03 2007 1400	FED EX			
Fedex			1-4-07				1/4/07 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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-446**

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GW0-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6514
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
B1LD27 (F)		W	1-3-07	1027	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD28		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LD28		W	↓	↓	1x20-mL P	Activity Scan	None
B1LD28		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. P. CONNOLLY		[signature]	JAN 03 2007 1400	FED EX			
Fed ex			01-04-07 0915	[signature]			1/4/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-447**

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GWO-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6514
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
B1LD31 (F)		W	1-3-07	1027	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD32		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LD32		W	↓	↓	1x20-mL P	Activity Scan	None
B1LD32		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. P. CONNOLLY	DS		JAN 03 2007 1400	FED EX			
Fed ex			01-04-07 0915	B-[illegible]			1/4/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
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

PNNL SLLd3

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-454**

Page 1 of 1

Collector D. Connolly	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GW0-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6514
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
B1LD36 (F)		W	1-3-07	0923	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD37		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LD37		W			1x20-mL P	Activity Scan	None
B1LD37		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
D. Connolly			JAN 03 2007 1400	FED EX			
Fed ex			01-04-07 0915	S-A-T			1/4/07 0915

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
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

PNNL S L663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-672**

Page 1 of 1

Collector D. Connolly	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GWD-06-14 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906-4233-6514
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
B1LM17		W	1-3-07	0923	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LM17		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Connolly		[signature]	JAN 03 2007 1400	FED Ex			
Relinquished By			Date/Time	Received By			Date/Time
Fed ex			01-04-07 0915	[signature]			1/4/07 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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-3

Page 1 of 1

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** 6W0-06-05 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980-7771-9202
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
B1LDC9 (F)		W	1/3/7	0927	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LDD0		W	↓	↓	1x20-mL P	Activity Scan	None
B1LDD0		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 F. M. HALL			JAN 0 3 2007 1400	FED EX			JAN 0 3 2007
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex			01-04-07 0915	B-D			1/4/07 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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790642336514	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express
798077719202	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express
799063692810	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express

Track more shipments

Wrong Address?
Reduce future mistak
FedEx Address Checl

Tracking a FedEx Sm
Shipment?
Go to shipper login

Take 15% off
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STL St. Louis

Lot #(s): F7A050102, 104, 106

- 5459 -

Condition Upon Receipt Form

Client: DNOL
Quote No: 73499, 73443, 73609
COC/RFA No: See below
Initiated By: BO
Date: 1/4/07
Time: 0915

Shipping Information

Shipper Name: FG

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7906 4233 6514
2. 7980 7771 9202
3. 7990 6369 2910
4. 792 6680 2944
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 4
2. 8
3. 3
4. 3
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 the cooler frisked after opening	14.	Y N (NA)	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. S07-012-334, 350, 446, 447, 454, 672
2. S07-012-3, 10
3. W07-012-222
4. W07-012-202, 12, G07-012-7, 72

#4 shipping tag was torn in transit and not all numbers were identified

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: _____ Date: 01-04-07

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.

PNNL 52463

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-202

Page 1 of 1

Collector L.D. WALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-012	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, DECEMBER 2006	HNF-N-506	Ice Chest No. SML 519 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7922-6680-2894
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
B1LH07		W	1-7-06	1222	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LH08		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LH09		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LH10		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LH15 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LH15 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LH15 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LH16		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LH16		W			1x20-mL P	Activity Scan	None
B1LH16		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
L.D. WALL		L.D. Wall	JAN 03 2007 1400	Fed Ex			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex			01-04-07 0915	B-2			1/4/07 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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-12**

Page 1 of 1

Collector L.D. WALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	#NF-N-573	**Ice Chest No.** SMC-579 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
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
B1LF30		W	1-3-07	0914	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LF31		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LF32		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LF33		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LF38 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LF39		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LF39		W	✓	✓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. WALL	L.D. Wall		JAN 0 3 2007 1400	[illegible]			
[illegible]			01-04-07 0915	[illegible]			1/4/07 0915

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-222

Collector L.D. WALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF N-506 3	**Ice Chest No.** SAW3 335 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6369-2810
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
B1LFX1		W	1-3-07	1316	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFX1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFX2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFX2		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFX3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFX3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFX4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFX4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFX5 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LFX5 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LFX5 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LFX6		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LFX6		W			1x20-mL P	Activity Scan	None
B1LFX6		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
L.D. WALL		L.D. Wall	JAN 03 2007 1400	FedEx			
Relinquished By			Date/Time	Received By			Date/Time
fedex			01-04-07 0915	B-2			1/4/07 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	= 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

Track Shipments
Summary Results

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
792266802894	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express
799063692810	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express

Track more shipments

STL St. Louis

Lot #(s): F7A050102, 104, 106

- 5459 -

Condition Upon Receipt Form

Client: ONWL
Quote No: 73499, 73443, 73609
COC/RFA No: See below
Initiated By: BO
Date: 1/4/07
Time: 0915

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7906 4233 6514
2. 7990 7771 9202
3. 7990 6369 2840
4. 742 6680 2844
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 4
2. 3
3. 3
4. 3
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 the cooler frisked after opening	14.	Y N (NA)	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. S07-012-334, 350, 446, 447, 454, 672
2. S07-012-3, 10
3. W07-012-222
4. W07-012-202, 12, G07-012-7, 72

#4 shipping tag was torn in transit and not all numbers were identified

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: _____ Date: 01-04-07

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.

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-296**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-509 1	**Ice Chest No.** 6000-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7992-6145-3365
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
B1LJ65 (F)		W	12-28-06	0821	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJ66		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJ66		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN			1400 DEC 28 2006	FED EX			12-28-06 1400
Fed Ex			12-29-06 9:15 AM	Carla Bridge	CARLA BRIDGE		12-29-06 9:15 AM

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liqui		
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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-312**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506-3	**Ice Chest No.** 6W0-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990 6145 3365
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
B1LJ75 (F)		W	122806	1133	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJ76		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJ76		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		DEC 2 8 2006 1430	Fed Ex		12-28-06	14:00 AM
Fed Ex		12-29-06	9:15 AM	Carla Brelje	CARLA BRELJE		12-29-06 9:15 AM

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-320**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506-3	**Ice Chest No.** GW0-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990 6145 3365
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
B1LJ80 (F)		W	122806	1103	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJ81		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJ81		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		DEC 2 8 2006 1430	Fed Ex		12-28-06	1400
Fed Ex	12-29-06		9:15 AM	Carla Bulge	CARLA BREJE		9:15 AM 12-29-06

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-328**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 1	**Ice Chest No.** GWO-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6145-3365
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
B1LJ85 (F)		W	12-28-06	0921	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJ86		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJ86		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN	[signature]		DEC 28 2006 1400	FED EX		12-28-06	14 00
Fed Ex	12-29-06		9 15 AM	Carla Breitje	CARLA BREITJE		12-29-06 9 15 AM

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-344**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506-3	**Ice Chest No.** GW0-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7940 6145 3365
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
B1LJJ0 (F)		W	122806	0937	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJJ0 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LJJ1		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJJ1		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		DEC 28 2006 / 143	Fed Ex			12-28-06 1400
Fed Ex			12-29-06 9:15 AM	Carla Brelje	CARLA BRELJE		12-29-06 9:15 AM

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-352**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506-3	**Ice Chest No.** GW0-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 79906145 3365
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
B1LJ95 (F)		W	122806	1032	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJ96		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJ96		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	DEC 28 2006	1430	FedEx		12-28-06	1400
Fed Ex		12-29-06	9:15AM	CARLA BRELJE	Carla Brelje	12-29-06	9:15AM
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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-360**

Page 1 of 1

Collector D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HWF-N-506 2	**Ice Chest No.** GWO-06-~~14~~ 1 **Temp.** 12-28-06
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6145-3365
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
B1LJB0 (F)		W	12-28-06	1140	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJB1		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJB1		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. P. CONNOLLY		[signature]	DEC 28 2006 1400	Fed Ex		12-28-06	1400
Fed Ex		12-29-06	9:15 AM	Carla Bridge		CARLA BRELJE 12-29-06	9:15 AM

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-398**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 1	**Ice Chest No.** GWO-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6145-3365
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
B1LJD3 (F)		W	12-28-06	1010	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJD4		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJD4		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN	[signature]		1400 DEC 28 2006	FED Ex	12-28-06		14:00 9:15AM 12-29-06
Fed Ex 12-29-06			9:15AM	Carla Brelje	CARLA BRELJE	12-29-06	9:15AM

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

PNNL SL663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-406**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 1	**Ice Chest No.** GW0-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6145.3365
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
B1LJJ5 (F)		W	12-28-06	1104	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJJ5 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LJJ6		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJJ6		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN		[signature]	DEC 28 2006 1400	FED EX		12-28-06	1400
Fed Ex		12-29-06	9:15AM	Carla Bridge		12-29-06 CARLA BRELJE	9:15AM

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

PNNL 5L663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

CR5703

C.O.C. # **W07-012-414**

Page 1 of 1

Collector D.P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 2	**Ice Chest No.** GW0-06-~~14~~ 1 **Temp.** 2 12-28-06
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7990-6145-3365
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
B1LJD8 (F)		W	12-28-06	1007	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJD9		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJD9		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D.P. CONNOLLY		DEC 28 2006 1400		FED EX		12-28-06 1400
Relinquished By	Fed Ex		12-29-06 9:15 AM	Received By	Carla Brelje	CARLA BRELJE	12-29-06 9:15AM
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

Tracking number	799061453365	**Reference**	GW0-06-1
Signed for by	J.CLARKE	**Destination**	Earth City, MO
Ship date	Dec 28, 2006	**Delivered to**	Shipping/Receiving
Delivery date	Dec 29, 2006 9:08 AM	**Service type**	Priority Overnight
		Weight	47.0 lbs.
Status	Delivered		

Wrong Address?
Reduce future mistak
FedEx Address Chec

Tracking a FedEx Sn
Shipment?
Go to shipper login

Date/Time		Activity	Location	Details
Dec 29, 2006	9:08 AM	**Delivered**	Earth City, MO	
	6:21 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:15 AM	At local FedEx facility	EARTH CITY, MO	
	5:04 AM	At dest sort facility	BERKELEY, MO	
	4:11 AM	Departed FedEx location	MEMPHIS, TN	
	1:00 AM	Arrived at FedEx location	MEMPHIS, TN	
Dec 28, 2006	5:34 PM	Left origin	PASCO, WA	
	3:55 PM	Picked up	PASCO, WA	
	2:21 PM	Package data transmitted to FedEx		

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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.

STL St. Louis

Lot #(s): F6L290154

- 5703 -

Condition Upon Receipt Form

Client: Olin Hanford COC/RFA No: SEE BELOW Date 12-29-06

Quote No: Initiated By: Time: 9:15 AM

Shipping Information

Shipper Name: Fed Ex

Multiple Packages Y (N) N/A

Shipping # (s):*

1. 7990 6145 3365
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2°C
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 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: COC W07-012-296
312
320
328
344
352
360
398
406
414

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: Date: 1-5-07

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.

PNNL

S2663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **G07-012-7**

Page 1 of 1

Collector L.D. WALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. G07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 1NR2-RB, DECEMBER 2006	HNF--N506-3	**Ice Chest No.** SML-515 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
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
B1LJW7 (F)		W	13-07	1104	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJW8		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1LJW8		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. WALL	L.D. Wall		JAN 0 3 2007 1400	FedEx			
Relinquished By			Date/Time	Received By			Date/Time
fed ex			01-04-07 0915	B—			1/4/07 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

PNNL S 21663

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # G07-012-72

Page 1 of 1

Collector L.D. WALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. G07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 1NR2-RB, DECEMBER 2006	HNF-N-5063	**Ice Chest No.** SML 579 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
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
B1LJV7 (F)		W	1-3-07	1015	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJV8		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1LJV8		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
L.D. WALL		L.D. Wall	JAN 0 3 2007 1400	FedEx			
Fedex			01-04-07 0915				1/4/07 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

Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790642336514	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express
798077719202	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express
799063692810	Delivered	Jan 4, 2007 9:15 AM	Earth City, MO	FedEx Express

Track more shipments

Wrong Address?
Reduce future mistak
FedEx Address Checl

Tracking a FedEx Sm
Shipment?
Go to shipper login

Take 15% off
list rates on eligible
FedEx Express®
online shipments.

Learn more >>

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STL St. Louis

Lot #(s): F7A050102, 104, 106

- 5459 -

Condition Upon Receipt Form

Client: DNUL
Quote No: 73499, 73443, 73409
COC/RFA No: See below
Initiated By: BD
Date: 1/4/07
Time: 0915

Shipping Information

Shipper Name: FG

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7906 4233 6514
2. 7980 7771 9202
3. 7990 6369 2810
4. 792 6680 2994
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 4
2. 3
3. 3
4. 3
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 the cooler frisked after opening	14.	Y N (NA)	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. S07-012-334, 350, 446, 447, 454, 672
2. S07-012-3, 10
3. W07-012-222
4. W07-012-202, 12, G07-012-7, 72

#4 shipping tag was torn in transit and not all numbers were identified

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: _____ Date: 01-04-07

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.