SEVERN TRENT STL

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

Tel: 314 298 8566 Fax: 314 298 8757
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ANALYTICAL REPORT

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W07-003

Lot #: F7C280243
SDG #: SL679

Dot Stewart

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

SEVERN TRENT LABORATORIES, INC.

Janis M. Klaus
for
Brian O'Donnell
Project Manager

247pp.

Rec 5/18/07

May 17, 2007

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CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
May 17, 2007
Attention: Dot Stewart

SDG	:	SL679
Number of Samples	:	87
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	April 11, 2007

II. Introduction

Between March 28, 2007and March 29, 2007, eighty-seven (87) water samples were received by STL St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

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

Deviation from Request: None

IV. Definitions

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

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V. Comments

General

The following SAFs are associated with this SDG: W07-003, S07-003, W07-002, G07-003.

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

Volatiles

The MS/MSD 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 MS/MSD recoveries. The MS and MSD were analyzed out of the BFB clock due to tape on one of the samples sticking on the gripper which stopped the Instrument.

Batch:
7093119
Affected Samples:
F7C290197 (3): B1ML21
F7C290197 (5): B1MKY7
F7C290219 (1): B1MM48

The LCS/LCSD RPD for 2-Butanone is not within method acceptance criteria. LCS/LCSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.

Batch:
7095131
Affected Samples:
F7C280243 (2): B1ML13
F7C280243 (3): B1MKV7
F7C280243 (31): B1MKT8
F7C280243 (56): B1ML01
F7C280310 (2): B1MFF9
F7C280310 (3): B1MFH0

The associated sample was analyzed at a dilution due to high concentrations of target analyte (carbon tetrachloride). The reporting limit has been adjusted only for those targets reported from the dilution run.

Batch:
7101152
Affected Samples:
F7C280243 (56): B1ML01

Phenols by GC

The MS/MSD RPD for 4-Nitrophenol is not within method acceptance criteria. MS/MSD recoveries are within QC limits demonstrating good extraction performance in the sample matrix.

Affected Samples:
F7C280243 (2): B1ML13
F7C290197 (3): B1ML21

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Affected Samples (continued):
F7C280243 (56): B1ML01
F7C290197 (5): B1MKY7

Ion Chromatography

The sample duplicate %RPD for Nitrite in batch 7088494 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:
F7C280243 (56): B1ML01

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Chloride in batch 7088486 and Nitrite in batches 7088489 and 7088494 is attributed to matrix interference.
Affected Samples:
F7C280243 (2): B1ML13
F7C280243 (33): B1MK59
F7C280243 (39): B1MJY1
F7C280243 (45): B1MK27
F7C280243 (47): B1MK76
F7C280243 (49): B1MKD0
F7C280243 (56): B1ML01
F7C280243 (59): B1MKM6
F7C280243 (65): B1MK40
F7C280243 (67): B1MKL6

The associated samples were analyzed at a dilution due to the presence of matrix interferences. The reporting limit has been adjusted for the dilution for Nitrite in batch 7089342.

The sample duplicate %RPD for Nitrite in batch 7089342 and Nitrate in batch 7089343 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

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 7089342 and Nitrate in batch 7089343 is attributed to matrix interference.
Affected Samples:
F7C290197 (3): B1ML21
F7C290197 (5): B1MKY7
F7C290197 (8): B1MK54
F7C290197 (10): B1MKP5
F7C290197 (12): B1MK49
F7C290223 (1): B1M8P0
F7C290304 (2): B1MD36

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 7092137 is attributed to matrix interference.

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Pacific Northwest National Laboratories
May 17, 2007
SDG: SL679

The associated samples were received with insufficient time remaining to meet the analytical holding time. The results are reported in batch 7092137 for Nitrite and 7092138 for Nitrate. Please refer to included IRF 07-047.

Affected Samples:

F7C280243 (9): B1MJV7
F7C280243 (20): B1MK15
F7C280243 (22): B1MK44
F7C280243 (24): B1MK64
F7C280243 (26): B1MK69
F7C280243 (28): B1MK81
F7C280243 (30): B1MKB6
F7C280243 (68): B1MJW9
F7C280310 (1): B1MFB5

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

Alkalinity
Cyanide
ICP Metals
ICP-MS Metals
Mercury
Total Organic Carbon
Total Organic Halogens

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:

Jon M. Klein
for
Brian O'Donnell
St. Louis Project Manager

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

PNNL TRACKING NUMBER: 07-047

Date: May 1, 2007 SAF Nos. W07-003, S07-003

SDG: **SL679** LOGIN No.: **F7C280243, F7C280310** TEST: Nitrate/Nitrite

Sample No.(s) B1MJV7, B1MK15, B1MK44, B1MK64, B1MK69, B1MK81, B1MKB6, B1MJW9, B1MFB5

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

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

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

ISSUE	PROPOSED RESOLUTION
The associated samples were received with insufficient time remaining to meet the analytical holding time.	Report results and note hold time issue in case narrative.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt for Dot Stewart 5/8/07
Signature and Date

XC: Ron Butler

METHODS SUMMARY

SL679

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
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 N	MCAWW 300.0A	MCAWW 300.0A
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Phenols by GC	SW846 8040A	SW846 3520
Phosphate, ortho as P (365.2)	MCAWW 365.2	
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

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

SL679 : F7C280243

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JRWTL	001	B1ML12	03/27/07	09:09
JRWT6	002	B1ML13	03/27/07	09:09
JRWVM	003	B1MKV7	03/26/07	09:23
JRWVQ	004	B1MJV2	03/26/07	11:31
JRWVT	005	B1MJV3	03/26/07	11:31
JRWVV	006	B1MJV4	03/26/07	11:31
JRWVX	007	B1MJV5	03/26/07	11:31
JRWV0	008	B1MJV6	03/26/07	11:31
JRWV2	009	B1MJV7	03/26/07	11:31
JRWWP	010	B1MJW4	03/26/07	12:14
JRWWQ	011	B1MJW5	03/26/07	12:14
JRWWR	012	B1MJW6	03/26/07	12:14
JRWWT	013	B1MJW7	03/26/07	12:14
JRWWV	014	B1MJW8	03/26/07	12:14
JRWWX	015	B1MK10	03/26/07	12:56
JRWW2	016	B1MK11	03/26/07	12:56
JRWW3	017	B1MK12	03/26/07	12:56
JRWW4	018	B1MK13	03/26/07	12:56
JRWW6	019	B1MK14	03/26/07	12:56
JRWW9	020	B1MK15	03/26/07	12:56
JRWXD	021	B1MK43	03/26/07	08:39
JRWXF	022	B1MK44	03/26/07	08:39
JRWXG	023	B1MK63	03/26/07	12:08
JRWXJ	024	B1MK64	03/26/07	12:08
JRWXP	025	B1MK68	03/26/07	11:08
JRWXQ	026	B1MK69	03/26/07	11:08
JRWXR	027	B1MK80	03/26/07	12:30
JRWXT	028	B1MK81	03/26/07	12:30
JRWXX	029	B1MKB5	03/26/07	09:23
JRWX1	030	B1MKB6	03/26/07	09:23
JRWX2	031	B1MKT8	03/26/07	10:08
JRWX6	032	B1MK58	03/27/07	13:04
JRWX8	033	B1MK59	03/27/07	13:04
JRW7G	034	B1MJX6	03/27/07	10:11
JRW7K	035	B1MJX7	03/27/07	10:11
JRW7L	036	B1MJX8	03/27/07	10:11

(Continued on next page)

SAMPLE SUMMARY

SL679 : F7C280243

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JRW7N	037	B1MJX9	03/27/07	10:11
JRW7P	038	B1MJY0	03/27/07	10:11
JRW7Q	039	B1MJY1	03/27/07	10:11
JRW7R	040	B1MK22	03/27/07	08:33
JRW7V	041	B1MK23	03/27/07	08:33
JRW7X	042	B1MK24	03/27/07	08:33
JRW70	043	B1MK25	03/27/07	08:33
JRW71	044	B1MK26	03/27/07	08:33
JRW75	045	B1MK27	03/27/07	08:33
JRW77	046	B1MK75	03/27/07	12:14
JRW78	047	B1MK76	03/27/07	12:14
JRW8D	048	B1MKC9	03/27/07	12:16
JRW8E	049	B1MKD0	03/27/07	12:16
JRW8F	050	B1ML08	03/27/07	09:09
JRW8G	051	B1ML09	03/27/07	09:09
JRW8P	052	B1ML10	03/27/07	09:09
JRW8Q	053	B1ML11	03/27/07	09:09
JRW8T	054	B1ML15	03/27/07	09:09
JRW87	055	B1ML00	03/27/07	10:50
JRW9A	056	B1ML01	03/27/07	10:50
JRXAM	057	B1ML03	03/27/07	10:50
JRXAQ	058	B1MKM5	03/27/07	10:30
JRXA0	059	B1MKM6	03/27/07	10:30
JRXA7	060	B1MK35	03/27/07	12:30
JRXCD	061	B1MK36	03/27/07	12:30
JRXCE	062	B1MK37	03/27/07	12:30
JRXCH	063	B1MK38	03/27/07	12:30
JRXCJ	064	B1MK39	03/27/07	12:30
JRXCK	065	B1MK40	03/27/07	12:30
JRXCL	066	B1MKL5	03/27/07	09:06
JRXCR	067	B1MKL6	03/27/07	09:06
JRXFL	068	B1MJW9	03/26/07	12:14

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

SL679 : F7C280310

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JRXDG	001	B1MFB5	03/26/07	10:08
JRXDP	002	B1MFF9	03/26/07	09:23
JRXDR	003	B1MFH0	03/27/07	09:09

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL679 : F7C290197

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JR04M	001	B1ML23	03/28/07	11:50
JR04X	002	B1ML20	03/28/07	11:50
JR047	003	B1ML21	03/28/07	11:50
JR05G	004	B1MKY6	03/28/07	13:05
JR05M	005	B1MKY7	03/28/07	13:05
JR05T	006	B1MKY9	03/28/07	13:05
JR07V	007	B1MK53	03/28/07	09:11
JR071	008	B1MK54	03/28/07	09:11
JR074	009	B1MKP4	03/28/07	10:10
JR079	010	B1MKP5	03/28/07	10:10
JR08D	011	B1MK48	03/28/07	11:30
JR08F	012	B1MK49	03/28/07	11:30

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL679 : F7C290219

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JR1A6	001	B1MM48	03/28/07	11:50

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL679 : F7C290223

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JR1C5	001	B1M8P0	03/28/07	08:53

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

SL679 : F7C290304

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JR113	001	B1MD35	03/28/07	09:48
JR116	002	B1MD36	03/28/07	09:48

NOTE(S):

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

SDG# SL679

STL ST. LOUIS

PNNL 54679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-248

Page 1 of 1

Collector: Fluor Hanford K. B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 7	Ice Chest No.: SML 442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7923 1463 1103
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
1	B1ML12 (F)		W	3-27-07	0909	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1ML12 (F)		W	↓	↓	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
	B1ML12 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
2	B1ML13		W	↓	↓	1x20-mL P	Activity Scan	None
	B1ML13		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
	B1ML13		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
	B1ML13		W	↓	↓	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE	[signature]		MAR 27 2007 1400	FEDEX			
FEDEX			3/28/07 0920	[signature]			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-516

Page 1 of 1

Collector: ~~Fluor Hanford~~ R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-7	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
B1MKV7		W	3-26-07	0923	1x20-mL P	Activity Scan	None
B1MKV7		W	1	1	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford R. T. SICKLE	MAR 2 6 2007 1430	FedEx	
FEDEX	3/28/07 0920	B-A	3/28/07 0920

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 SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-104

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-7	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
4	B1MJV2		W	3-26-07	1131	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
5	B1MJV3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
6	B1MJV4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
7	B1MJV5		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
8	B1MJV6 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MJV6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
9	B1MJV7		W			1x20-mL P	Activity Scan	None
	B1MJV7		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 R. T. SICKLE	[signature]		MAR 26 2007 1430	FedEx			
FEDEX			3-28-07 0920	[signature]			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-118

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-7	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
10	B1MJW4		W	3-26-07	1214	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
11	B1MJW5		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
12	B1MJW6		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
13	B1MJW7		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
14	B1MJW8 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MJW8 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
	B1MJW9		W			1x20-mL P	Activity Scan	None
	B1MJW9		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 R. T. SICKLE	MAR 26 2007 1430	Fed Ex	
Fed Ex	3-28-07 0920	B. [illegible]	3/28/07 0920

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

18 05 247

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-142

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-7	Ice Chest No. ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7981-3727-6811
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
15	B1MK10		W	3-26-07	1256	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
16	B1MK11		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
17	B1MK12		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
18	B1MK13		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
19	B1MK14 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MK14 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
20	B1MK15		W			1x20-mL P	Activity Scan	None
	B1MK15		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 R. T. SICKLE	[signature]		MAR 26 2007 1430	FedEx			
FEDEX			3-28-07 0920	[signature]			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-302

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
21	B1MK43 (F)		W	3/26/07	0839	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
22	B1MK44		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK44		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

J P Wall 3/26/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL			MAR 2 6 2007 1430	FEDEX			
FEDEX			3-28-07 0920				3/28/07 0920

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 SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-495

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
23	B1MK63 (F)		W	3/26/07	1208	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
24	B1MK64		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK64		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 3/26/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL	[signature]		MAR 26 2007 1430	FEDEX			
FEDEX			3-28-07 0920	[signature]			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-496

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
25	B1MK68 (F)		W	3/26/07	1108	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
26	B1MK69		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK69		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Weil 3/26/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL			MAR 26 2007 1430	FEDEX			
FEDEX			3-28-07 0920				3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-498

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 1	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
27	B1MK80 (F)		W	3-26-07	1230	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
28	B1MK81		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK81		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

3-26-07

Relinquished By	Received By
Fluor Hanford D. R. BREWINGTON Print / Sign / Date/Time 1400 MAR 26 2007	Received By: Fed Ex Print / Sign / Date/Time
Relinquished By: FEDEX Date/Time 3-28-07 0920	Received By: Date/Time 3/28/07 0920
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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-504

Page 1 of 1

Collector: ~~Floor Hanford~~ D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 1	Ice Chest No.: ERC-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-3727-6811
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
29	B1MKB5 (F)		W	3-26-07	0923	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
30	B1MKB6		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MKB6		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

3-26-06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Floor Hanford~~ D. R. BREWINGTON	D. R. Brewington		MAR 26 2007 1400	Fed Ex			
FEDEX			3-28-07 0920				3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-513

Page 1 of 1

Collector Fluor Hanford R. T. SICKLE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MARCH 2007	HNF-N-506-7	Ice Chest No. ERC-1 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7981-3727-6811
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
31 B1MKT8		W	3-26-7	1005	1x20-mL P	Activity Scan	None
B1MKT8		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE	[signature]		MAR 26 2007 1430	FedEx			
FEDEX			3-28-07 0920	B-[illegible]			3/28/07 0920

Matrix *

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

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

SDG# SL69

STL ST. LOUIS

PNNL 52679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-494

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056	MSIN / FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code	
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERCFS001	Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 6302 7103	
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
32	B1MK58 (F)		W	3/27/07	1304	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
33	B1MK59		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK59		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

L Walo 3/27/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			MAR 27 2007 1430	FEDEX			
FEDEX			3-28-07 0920	B-R			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-126

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERC FS001 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 6302 7103
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
34	B1MJX6		W	3/27/07	1011	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
35	B1MJX7		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
36	B1MJX8		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
37	B1MJX9		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
38	B1MJY0 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MJY0 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
39	B1MJY1		W			1x20-mL P	Activity Scan	None
	B1MJY1		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R Wells 3/27/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			MAR 27 2007 1430	FEDEX			
FEDEX			3-28-07 0920				3/28/07 0920

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-150

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No. ERC FS 001 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7912 6302 7103
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
40	B1MK22		W	3/27/07	0833	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
41	B1MK23		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
42	B1MK24		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
43	B1MK25		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
44	B1MK26 (F)		W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MK26 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
45	B1MK27		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MK27		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

L. Wall 3/27/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE	[signature]		MAR 27 2007 1430	FEDEX			
FEDEX			3-28-07 0920	[signature]			3/28/07 0920

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL S2679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-497

Page 1 of 1

Collector: ~~Fluor Hanford~~ R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	Logbook: HNF-N-506-6	Ice Chest No.: ERC FS 001 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 6302 7103
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
B1MK75 (F)		W	3/27/07	1214	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MK76		W	↓	↓	1x20-mL P	Activity Scan	None
B1MK76		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

RWell 3/27/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			MAR 27 2007 1430	FEDEX			
FEDEX			3-28-07 0920	B-A			3/28/07 0920

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

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SDG# SL679

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-501

Page 1 of 1

Collector: Fluor Hanford K. B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 7	Ice Chest No. SMC442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7923 1463 1103
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
48	B1MKC9 (F)		W	3-27-07	1216	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
49	B1MKD0		W	↓	↓	1x20-mL P	Activity Scan	None
	B1MKD0		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 K. B. HULSE	MAR 27 2007 1400	FEDEX	
FEDEX	3-28-07 0920	B-A-P	3/28/07 0920

Matrix *

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

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

STL ST. LOUIS

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SDG# SL679

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-561

Page 1 of 1

Collector: Fluor Hanford ~~K. B. HULSE~~	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-5067	Ice Chest No.: SML442 Temp.
Shipped To (Lab): ~~Waste Sampling & Characterization~~ SEVERN TRENT ST. LOUIS 3-27-07	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7923 1463 1103
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)

AIR IN SAMPLES

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
50	B1ML08		W	3-27-07	0909	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
	B1ML08		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
51	B1ML09		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
	B1ML09		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
52	B1ML10		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
	B1ML10		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
53	B1ML11		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
	B1ML11		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
54	B1ML15		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford ~~K. B. HULSE~~	MAR 27 2007 ~~3-27-07~~ 1400	FED EX	MAR 27 2007 ~~3-27-07~~
FEDEX	3-28-07 0920		3/28/07 0920

Matrix *

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

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

STL ST. LOUIS

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SDG # SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-242

Page 1 of 1

Collector: Fluor Hanford ~~K. B. HULSE~~	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 7	Ice Chest No.: TJZ Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7907 0286 4583
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
55	B1ML00 (F)		W	3-27-07	1050	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1ML00 (F)		W	↓	↓	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
	B1ML00 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
56	B1ML01		W	↓	↓	1x20-mL P	Activity Scan	None
	B1ML01		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
	B1ML01		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
	B1ML01		W	↓	↓	3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Fluor Hanford~~ K. B. HULSE			MAR 27 2007 1400	FEDEX			
FEDEX			3-28-07 0926				3/28/07 0920

Matrix *

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

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

SDG# SL679

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-560

Page 1 of 1

Collector: Fluor Hanford K. B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056	MSIN / FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code	
Project Title: RCRA, MARCH 2007	HNF-N-506 7	Ice Chest No.: TJ2	Temp.
Shipped To (Lab): SEVERN TRENT ST LOUIS ~~Waste Sampling & Characterization~~ 3-27-07	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7907 0286 4583	
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)

AIR IN SAMPLES

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
B1ML03		W	3-27-07	1050	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1ML03		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML03		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			MAR 27 2007 1400	FED EX			~~MAR 27 2007~~
FEDEX			3-28-07 0920				3/28/07 0920

Matrix *

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

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

STL ST. LOUIS

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SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-230

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HWF-N-506 1	Ice Chest No.: J-2 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7907 0286 4583
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
58	B1MKM5 (F)		W	3-27-07	1030	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
59	B1MKM6		W			1x20-mL P	Activity Scan	None
	B1MKM6		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
	B1MKM6		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C

3-27-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		MAR 27 2007 1400	Fed Ex			
FEDEX			3-28-07 0920				3/28/07 0920

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

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SDG# SL679

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-158

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506 1	Ice Chest No.: N-2 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7907 0286 4583
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
60	B1MK35		W	3-27-07	1230	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
61	B1MK36		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
62	B1MK37		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
63	B1MK38		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
64	B1MK39 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
	B1MK39 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
65	B1MK40		W			1x20-mL P	Activity Scan	None
	B1MK40		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

3-27-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford	D.R. Brewington	for	MAR 27 2007 1400	Fed Ex			
FEDEX			3-28-07 0920				3/28/07 0920

Matrix *

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

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

STL ST. LOUIS

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SDG# SL679

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-214

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF. N-504 1	Ice Chest No. TJ-2 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7907 0286 4583
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
B1MKL5 (F)		W	3-27-07	0906	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MKL6		W			1x20-mL P	Activity Scan	None
B1MKL6		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MKL6		W			1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C

3-27-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		MAR 27 2007 1400	Fed Ex			
FEDEX			3-28-07 0920				3/28/07 0920

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

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STL ST. LOUIS

Track Shipments
Summary Results

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL St. Louis

Lot #(s): F7C280243, 310, 330

- 6279 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 74597, 74337, 74679
COC/RFA No: see below
Initiated By: BD
Date: 3/28/07
Time: 0920

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7923 1463 1103
2. 7981 3727 6811
3. 7912 6302 7103
4. 7912 6267 4570
5. 7907 0286 4583
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. Rec'd in Temp
2.
3.
4.
5.
6.
7.
8.
9.
10.

JHW 05-17-07

*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:
1. S07-003-356, W07-003-561, 248, 301, 501 JHW 05-17-07
2. S07-003-137, 355, W07-003-104, 118, 142, 302, 495, 496, 498, 504, 513, 516
3. W07-003-494, 126, 150, 497
4. X07-016-19, 18, 17, 2, 29, 20, 21, 22, 23, 26, 28, 27, 24, 25, 30
5. W07-003-242, 560, 230, 158, 214

1 LG for BIML01 received broken

~~BIML01~~

~~1 LG for BIML03 received broken 1 LG for BIMC13~~

BD 3/29

The following samples were received out of hold: BIMCJ8, BIMCJ6, BIMCJ2

BIMCJ4, BIMKV7, BIMJV7, ~~A~~ BD BIMJW9, BIMK15, BIMK44, BIMK64, BIMK69

BIMKB1, BIMKB6, BIMFB5

BIMCK2 & BIMCJ4 did not have sample dates & times on COC's. Used time on sample label.

Corrective Action:
- ☐ Client Contact Name:
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until:

Informed by:

If released, notify:

Project Management Review: [signature]

Date: 3/29/07

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-137

Page 1 of 1

Collector Fluor Hanford ~~R. T. SICKLE~~	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-003	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, MARCH 2007	HNF-N-506-7	**Ice Chest No.** ERC-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7981-3727-6811
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
B1MFB5		W	3-26-07	1000	1x20-mL P	Activity Scan	None
B1MFB5		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MFB5		W	↓	↓	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford R. T. SICKLE			MAR 26 2007 1430	Fed Ex			
FEDEX			3-28-07 0920				3/28/07 0920

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 SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-355

Page 1 of 1

Collector R Sickle	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV, MARCH 2007	HNF-N-506-7	Ice Chest No. ERC-1 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7981-3727-6811
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
B1MFF9		W	3-26-07	0923	1x20-mL P	Activity Scan	None
B1MFF9		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R Sickle	[signature]		MAR 26 2007 1430	Fed Ex			
FEDEX			3-28-07 0920	[signature]			3/28/07 0920

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 SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-003-356

Page 1 of 1

Collector: Fluor Hanford K. B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MARCH 2007	HNF-N-506 7	Ice Chest No. SML442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7923 1463 1103
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
B1MFH0		W	3-27-07	0909	1x20-mL P	Activity Scan	None
B1MFH0		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE	K B Hulse		MAR 27 2007 1400	FEDEX			
FEDEX		3-28-07	0920 3-27-07	B-[illegible]			3/28/07 0920

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

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL St. Louis

Lot #(s): F7C280243, 310, 330

- 6279 -

Condition Upon Receipt Form

Client: Hanford
Quote No: 74597, 74337, 74679
COC/RFA No: see below
Initiated By: BD
Date: 3/28/07
Time: 0920

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7923 1463 1103
2. 7981 3727 6811
3. 7912 6302 7103
4. 7912 6247 4570
5. 7907 0286 4583
6.
7.
8.
9.
10.

Multiple Packages Y N N/A

Sample Temperature (s):**

1. Rec'd in Temp
2.
3.
4.
5.
6.
7.
8.
9.
10.

JHW 05-17-07

*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:
1. S07-003-356, W07-003-561, 248, 301, 501 JHW 05-17-07
2. S07-003-137, 355, W07-003-104, 118, 142, 302, 495, 496, 498, 504, 513, 516
3. W07-003-494, 126, 150, 497
4. X07-016-19, 18, 17, 2, 29, 20, 21, 22, 23, 26, 28, 27, 24, 25, 30
5. W07-003-242, 560, 230, 158, 214

1 LG for BIMLO1 received broken

~~BIMLO1~~

~~1 LG for BIMLO3 received broken 1 LG for BIMLC13~~

BD 3/29

The following samples were received out of hold: BIMCJ8, BIMCJ6, BIMCJ2

BIMCJ4, BIMKV7, BIMJV7, ~~A~~ BD BIMJW9, BIMK15, BIMK44, BIMK64, BIMK69

BIMKB1, BIMKB6, BIMFB5

BIMCK2 & BIMCJ4 did not have sample dates & times on COC's. Used time on sample label.

Corrective Action:

☐ Client Contact Name:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until:

Informed by:

If released, notify:

Project Management Review: [signature]

Date: 3/29/07

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

SDG# SL679

STL ST. LOUIS

PNNL SL 679

FTC 290197

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-586

Page 1 of 1

Collector: ~~Fluor Hanford~~ D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HWF-N-506-1	Ice Chest No.: SWS-1 Temp.
Shipped To (Lab): ~~Waste Sampling & Characterization~~ SEVERN TRENT ST LOUIS 3-28-07	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 3943 1509
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
B1ML23		W	3-28-07	1150	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1ML23		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1ML23		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

3-28-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		MAR 28 2007 1400	Fed Ex			~~MAR 28 2007~~ 3-28-07
Relinquished By: Fed Ex			Date/Time	Received By			Date/Time 03.29.07 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-505

Page 1 of 1

Collector: Fluor Hanford ~~D. R. BREWINGTON~~	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HWF-N-506-1	Ice Chest No.: SWS-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 3943 1509
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
B1ML20 (F)		W	3-28-07	1150	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1ML20 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1ML20 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1ML21		W			1x20-mL P	Activity Scan	None
B1ML21		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1ML21		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1ML21		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

DP 3-28-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		MAR 28 2007 1400	Fed Ex			~~MAR 28 2007~~ 3-28-07
Relinquished By: Fed Ex			Date/Time	Received By			Date/Time: 03-29-07 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL 679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-236

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-1	Ice Chest No.: SAWS 102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 5855 9381 57
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
B1MKY6 (F)		W	3-28-07	1305	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MKY6 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1MKY6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1MKY7		W			1x20-mL P	Activity Scan	None
B1MKY7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MKY7		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MKY7		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

3-28-07

Relinquished By	Received By
Fluor Hanford D. R. BREWINGTON (Print) D. R. Brewington (Sign) Date/Time 1400 MAR 28 2007	Fed Ex (Print) (Sign) Date/Time
Relinquished By: Fed Ex Date/Time	Received By: 03.29.07 0900 Date/Time
Relinquished By Date/Time	Received By Date/Time
Relinquished By Date/Time	Received By Date/Time

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

#PNNL SL679

C.O.C. # W07-003-559

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-003	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, MARCH 2007	HNF-N-506 1	**Ice Chest No.** SAWS-107 **Temp.**
Shipped To (Lab) SEVERN TRENT ST. LOUIS ~~Waste Sampling & Characterization~~ MA 3-27-07	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7929 5855 9381
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
B1MKY9		W	3-28-07	1305	1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1MKY9		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MKY9		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

3-28-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		MAR 28 2007 1400	Fed Ex			
Fed Ex							03-29-07 0900

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-492

Page 1 of 1

Collector Fluor Hanford F. M. HALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MARCH 2007	HNF-N-506-2	Ice Chest No. STI-1 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7991-1223-5722
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
B1MK53 (F)		W	3/28/7	0911	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MK54		W	↓	↓	1x20-mL P	Activity Scan	None
B1MK54		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	MAR 28 2007 / 1400	FED EX	MAR 28 2007
Fed Ex			03.29.07 0900

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL 679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.# W07-003-284

Page 1 of 1

Collector Fluor Hanford F. M. HALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MARCH 2007	HNF - N - 506 - 2	Ice Chest No. STL - 1 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7991 - 1223 - 5722
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
B1MKP4 (F)		W	3/28/7	1010	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MKP5		W	↓	↓	1x20-mL P	Activity Scan	None
B1MKP5		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			MAR 28 2007/1400	FED EX			MAR 28 2007
Fed Ex							03-29-07 0900

Matrix *

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

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

SDG# SL679

STL ST. LOUIS

PNNL SL679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-003-491

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MARCH 2007	HNF-N-506-2	Ice Chest No.: STL-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7991-1223-5722
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
B1MK48 (F)		W	3/28/7	1130	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MK49		W	↓	↓	1x20-mL P	Activity Scan	None
B1MK49		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		MAR 28 2007	1400	FED EX		MAR 28 2007	
Fed Ex						03-29-07	0900

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

50 of 247

Track Shipments
Summary Results

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL ST. LOUIS

STL St. Louis

BD 3/29

Lot #(s): ~~F7C29019~~, F7C290223, F7C290304, F7C290197, 219

- 6281 -

Condition Upon Receipt Form

Client: PNNL
Quote No: 74597, 74337, 74036, 74707
COC/RFA No: below
Initiated By: [illegible]
Date: 03.29.07
Time: 0900

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1.	7986 3943 1509	6.	
2.	7929 5855 9381	7.	
3.	7991 1223 5722	8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

W07-003-586, 505, 236, 559, 492, 284, 491
W07-002-240
G07-003
S07-003

Corrective Action:

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

Project Management Review: [illegible] Date: 3/30/07

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

ADMIN-0004, REVISED 03/01/06\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004030106.doc

SDG# SL679

STL ST. LOUIS

PNNL SL 679

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F7C290219

C.O.C. # S07-003-358

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-003	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MARCH 2007	HWC N-506-1	Ice Chest No.: SWS-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 3943 1509 59
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
B1MM48		W	3-28-07	1150	1x20-mL P	Activity Scan	None
B1MM48		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

3-28-07

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington	MAR 28 2007 1400	Fed EX		
Fed Ex				03.29.07	0900

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

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL ST. LOUIS

STL St. Louis

Lot #(s): ~~F7C29019~~ DD 3/29, F7C290223, F7C290304, F7C290197, 219

- 6281 -

Condition Upon Receipt Form

Client: PNNL
Quote No: 74597, 74337, 74036, 74707
COC/RFA No: below
Initiated By: SV
Date: 03.29.07
Time: 0900

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1.	7986 5943 1509	6.	
2.	7929 5855 9381	7.	
3.	7991 1223 5722	8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

W07-003-586, 505, 236, 559, 492, 284, 491
W07-002-240
G07-003
S07-003-358
JW 05-17-07

Corrective Action:

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

Project Management Review: [signature] Date: 3/30/07

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 SL679 | cut 6281 | F7C290223

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-240

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 /	Ice Chest No.: SWS-1 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7986 3943 1509
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
B1M8P0		W	3-28-07	0853	1x20-mL P	Activity Scan	None
B1M8P0		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

DP 3-28-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	DR Brewington		1400 MAR 28 2007	Fed Ex			
Fed Ex				[signature]			03.29.07 0900

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

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL St. Louis

Lot #(s): ~~F7C29019~~ 03/29, F7C290223, F7C290304, F7C290197, 219

- 6281 -

Condition Upon Receipt Form

Client: PNNL
Quote No: 74597, 74337, 74036, 74707
COC/RFA No: below
Initiated By: [illegible]
Date: 03.29.07
Time: 0900

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1.	7986 3943 1509	6.	
2.	7929 5855 9381	7.	
3.	7991 1223 5722	8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

W07-003-586, 505, 236, 559, 492, 284, 491
W07-002-240
G07-003
S07-003

Corrective Action:

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

Project Management Review: [illegible] Date: 3/30/07

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

ADMIN-0004, REVISED 03/01/06\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004030106.doc

STL ST. LOUIS

SDG# SL679

PNNL SL679

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F7C290304

C.O.C. # G07-003-72

Page 1 of 1

Collector M.R. WEIL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. G07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 1NR2-RB, MARCH 2007	Logbook: HNF-N-506-7	Ice Chest No. SAWS-102 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 792958559381
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
B1MD35 (F)		W	3/28/07	0948	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MD36		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1MD36		W	↓	↓	1x20-mL P	Activity Scan	None
B1MD36		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: Citrate (1)	Cool 4C

L. Weil 3/28/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL	[signature]		MAR 28 2007 1430	FEDEX			
Fed Ex				[signature]			03.29.07 0900

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

Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service	Signature Proof Image	Signature Proof View
792314631103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798137276811	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
791263027103	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
790702864583	Delivered	Mar 28, 2007 9:17 AM	Earth City, MO	FedEx Express	Yes	☑
798639431509	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
792958559381	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑
799112235722	Delivered	Mar 29, 2007 9:03 AM	Earth City, MO	FedEx Express	Yes	☑

Account number
(Required for detailed Signature POD only)
Click here if you have more than one account number for these shipments.

Signature Proof - view all selected | Track more shipments

STL St. Louis

Lot #(s): ~~F7C29019~~ 03 3129, F7C290223, F7C290304, F7C290197, 219

- 6281 -

Condition Upon Receipt Form

Client: PNNL
Quote No: 74597, 74337, 74036, 74707
COC/RFA No: Belgin
Initiated By: [illegible]
Date: 03.29.07
Time: 0900

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1.	7986 3943 1509	6.	
2.	7929 5855 9381	7.	
3.	7991 1223 5722	8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

W07-003-586, 505, 236, 559, 492, 284, 491
W07-002-240
G07-003-72 JW 05-17-07
S07-003

Corrective Action:

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

Project Management Review: [illegible] Date: 3/30/07

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.

VOLATILES

Pacific Northwest National Laboratory

Client Sample ID: B1ML13

GC/MS Volatiles

Lot-Sample #...: F7C280243-002 **Work Order #...:** JRWT61AC **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	**0.33 J**	**1.0**	**ug/L**	**0.045**
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**0.97 J**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	**16**	**1.0**	**ug/L**	**0.039**
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.22 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	**1.1**	**1.0**	**ug/L**	**0.17**
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	102	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1ML13

GC/MS Volatiles

Lot-Sample #: F7C280243-002 **Work Order #:** JRWT61AC **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: B1MKV7

GC/MS Volatiles

Lot-Sample #...: F7C280243-003 **Work Order #...:** JRWVM1AC **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	102	(75 - 114)

Pacific Northwest National Laboratory

B1MKV7

GC/MS Volatiles

Lot-Sample #: F7C280243-003 **Work Order #:** JRWVM1AC **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: B1MKT8

GC/MS Volatiles

Lot-Sample #...: F7C280243-031 **Work Order #...:** JRWX21AC **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.20 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
Dibromofluoromethane	92	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	104	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MKT8

GC/MS Volatiles

Lot-Sample #: F7C280243-031 **Work Order #:** JRWX21AC **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: B1ML01

GC/MS Volatiles

Lot-Sample #...: F7C280243-056 **Work Order #...:** JRW9A1AD **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**1.6**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.25 J**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
1,2-Dichloroethane-d4	102	(73 - 137)
4-Bromofluorobenzene	105	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1ML01

GC/MS Volatiles

Lot-Sample #: F7C280243-056 **Work Order #:** JRW9A1AD **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: B1ML01

GC/MS Volatiles

Lot-Sample #...:	F7C280243-056	**Work Order #...:**	JRW9A2AD	**Matrix.....:**	WATER
Date Sampled...:	03/27/07	**Date Received..:**	03/28/07		
Prep Date.....:	04/10/07	**Analysis Date..:**	04/10/07		
Prep Batch #...:	7101152				
Dilution Factor:	10	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**79 D**	**10**	**ug/L**	**0.39**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 117)
Dibromofluoromethane	98	(82 - 130)
1,2-Dichloroethane-d4	110	(73 - 137)
4-Bromofluorobenzene	100	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MFF9

GC/MS Volatiles

Lot-Sample #...: F7C280310-002 **Work Order #...:** JRXDP1AC **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**5.4**	**1.0**	**ug/L**	**0.60**
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(76 - 117)
Dibromofluoromethane	92	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	103	(75 - 114)

Pacific Northwest National Laboratory

B1MFF9

GC/MS Volatiles

Lot-Sample #: F7C280310-002 **Work Order #:** JRXDP1AC **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: B1MFH0

GC/MS Volatiles

Lot-Sample #...: F7C280310-003 **Work Order #...:** JRXDR1AC **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07
Prep Date.....: 04/04/07 **Analysis Date..:** 04/05/07
Prep Batch #...: 7095131
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(76 - 117)
Dibromofluoromethane	91	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	103	(75 - 114)

Pacific Northwest National Laboratory

B1MFH0

GC/MS Volatiles

Lot-Sample #: F7C280310-003 **Work Order #:** JRXDR1AC **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: B1ML21

GC/MS Volatiles

Lot-Sample #...: F7C290197-003 **Work Order #...:** JR0471AD **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/02/07
Prep Batch #...: 7093119
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**0.67 J**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND N	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 117)
Dibromofluoromethane	106	(82 - 130)
1,2-Dichloroethane-d4	114	(73 - 137)
4-Bromofluorobenzene	93	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1ML21

GC/MS Volatiles

Lot-Sample #: F7C290197-003 **Work Order #:** JR0471AD **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: B1MKY7

GC/MS Volatiles

Lot-Sample #...: F7C290197-005 **Work Order #...:** JR05M1AD **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/02/07
Prep Batch #...: 7093119
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
Dibromofluoromethane	108	(82 - 130)
1,2-Dichloroethane-d4	111	(73 - 137)
4-Bromofluorobenzene	90	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1MKY7

GC/MS Volatiles

Lot-Sample #: F7C290197-005 **Work Order #:** JR05M1AD **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: B1MM48

GC/MS Volatiles

Lot-Sample #...: F7C290219-001 **Work Order #...:** JR1A61AC **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/02/07
Prep Batch #...: 7093119
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**4.0**	**1.0**	**ug/L**	**0.60**
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND N	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
Dibromofluoromethane	114	(82 - 130)
1,2-Dichloroethane-d4	115	(73 - 137)
4-Bromofluorobenzene	92	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1MM48

GC/MS Volatiles

Lot-Sample #: F7C290219-001 **Work Order #:** JR1A61AC **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 #...: SL679
MB Lot-Sample #: F7D030000-119
Work Order #...: JR8D81AA
Matrix.....: WATER
Prep Date.....: 04/02/07
Analysis Date..: 04/02/07
Prep Batch #...: 7093119
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	**0.12 J**	**1.0**	**ug/L**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	102	(76 - 117)
Dibromofluoromethane	100	(82 - 130)
1,2-Dichloroethane-d4	95	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)

NOTE(S):

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

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7D030000-119 B **Work Order #:** JR8D81AA **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 #...: SL679 **Work Order #...:** JTEHR1AA **Matrix.....:** WATER
MB Lot-Sample #: F7D050000-131

Prep Date.....: 04/04/07
Analysis Date..: 04/04/07 **Prep Batch #...:** 7095131
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	94	(76 - 117)
Dibromofluoromethane	97	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	97	(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 #: F7D050000-131 B **Work Order #:** JTEHR1AA **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 #...: SL679 **Work Order #...:** JTNMG1AA **Matrix.....:** WATER
MB Lot-Sample #: F7D110000-152

Prep Date.....: 04/10/07
Analysis Date..: 04/10/07 **Prep Batch #...:** 7101152
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
Dibromofluoromethane	93	(82 - 130)
1,2-Dichloroethane-d4	103	(73 - 137)
4-Bromofluorobenzene	100	(75 - 114)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 Work Order #...: JR8D81AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7D030000-119 JR8D81AD-LCSD
Prep Date.....: 04/02/07 Analysis Date..: 04/02/07
Prep Batch #...: 7093119
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.37	ug/L	94		SW846 8260B
	10.0	10.1	ug/L	101	7.7	SW846 8260B
Ethylbenzene	10.0	11.8	ug/L	118		SW846 8260B
	10.0	11.6	ug/L	116	1.9	SW846 8260B
1,4-Dioxane	200	97.8	ug/L	49		SW846 8260B
	200	112	ug/L	56	14	SW846 8260B
Vinyl chloride	10.0	11.2	ug/L	112		SW846 8260B
	10.0	10.4	ug/L	104	7.2	SW846 8260B
Acetone	10.0	5.31	ug/L	53		SW846 8260B
	10.0	6.25	ug/L	62	16	SW846 8260B
Methylene chloride	10.0	9.01	ug/L	90		SW846 8260B
	10.0	9.69	ug/L	97	7.2	SW846 8260B
Carbon disulfide	10.0	8.37	ug/L	84		SW846 8260B
	10.0	8.42	ug/L	84	0.53	SW846 8260B
1,1-Dichloroethane	10.0	9.80	ug/L	98		SW846 8260B
	10.0	9.62	ug/L	96	1.8	SW846 8260B
2-Butanone	10.0	8.59	ug/L	86		SW846 8260B
	10.0	10.1	ug/L	101	16	SW846 8260B
Chloroform	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.91	ug/L	99	0.40	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.94	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	2.1	SW846 8260B
Propionitrile	50.0	43.1	ug/L	86		SW846 8260B
	50.0	41.0	ug/L	82	4.9	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.64	ug/L	96		SW846 8260B
	10.0	9.90	ug/L	99	2.6	SW846 8260B
1,1,1-Trichloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.6	ug/L	106	0.28	SW846 8260B
Carbon tetrachloride	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.1	ug/L	111	2.9	SW846 8260B
1,2-Dichloroethane	10.0	9.27	ug/L	93		SW846 8260B
	10.0	9.41	ug/L	94	1.6	SW846 8260B
Benzene	10.0	9.82	ug/L	98		SW846 8260B
	10.0	9.76	ug/L	98	0.61	SW846 8260B
Trichloroethene	10.0	9.45	ug/L	95		SW846 8260B
	10.0	9.32	ug/L	93	1.4	SW846 8260B
4-Methyl-2-pentanone	10.0	8.14	ug/L	81		SW846 8260B
	10.0	8.81	ug/L	88	8.0	SW846 8260B
1,1,2-Trichloroethane	10.0	9.08	ug/L	91		SW846 8260B
	10.0	9.24	ug/L	92	1.8	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JR8D81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D030000-119 JR8D81AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**10.9**	**ug/L**	**109**		**SW846 8260B**
	10.0	**11.4**	**ug/L**	**114**	**4.1**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**37.0**	**ug/L**	**74**		**SW846 8260B**
	50.0	**39.4**	**ug/L**	**79**	**6.3**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.63**	**ug/L**	**96**		**SW846 8260B**
	10.0	**9.38**	**ug/L**	**94**	**2.7**	**SW846 8260B**
1-Butanol	**100**	**53.0**	**ug/L**	**53**		**SW846 8260B**
	100	**63.8**	**ug/L**	**64**	**18**	**SW846 8260B**
Toluene	**10.0**	**11.1**	**ug/L**	**111**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**2.6**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	115	(90 - 118)
	110	(90 - 118)
Dibromofluoromethane	108	(83 - 125)
	107	(83 - 125)
1,2-Dichloroethane-d4	97	(75 - 135)
	96	(75 - 135)
4-Bromofluorobenzene	103	(78 - 119)
	101	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 Work Order #...: JTEHR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7D050000-131 JTEHR1AD-LCSD
Prep Date.....: 04/04/07 Analysis Date..: 04/04/07
Prep Batch #...: 7095131
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.6	ug/L	106	0.85	SW846 8260B
Ethylbenzene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.7	ug/L	107	1.7	SW846 8260B
1,4-Dioxane	200	213	ug/L	106		SW846 8260B
	200	204	ug/L	102	4.4	SW846 8260B
Vinyl chloride	10.0	9.19	ug/L	92		SW846 8260B
	10.0	9.21	ug/L	92	0.27	SW846 8260B
Acetone	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.2	ug/L	112	0.90	SW846 8260B
Methylene chloride	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.3	ug/L	113	1.7	SW846 8260B
Carbon disulfide	10.0	9.42	ug/L	94		SW846 8260B
	10.0	9.64	ug/L	96	2.3	SW846 8260B
1,1-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.4	ug/L	104	0.48	SW846 8260B
2-Butanone	10.0	7.68	ug/L	77		SW846 8260B
	10.0	10.1 p	ug/L	101	27	SW846 8260B
Chloroform	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.6	ug/L	106	1.0	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.8	ug/L	108	0.73	SW846 8260B
Propionitrile	50.0	56.6	ug/L	113		SW846 8260B
	50.0	54.7	ug/L	109	3.3	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.6	ug/L	106	0.47	SW846 8260B
1,1,1-Trichloroethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.4	ug/L	104	0.19	SW846 8260B
Carbon tetrachloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.1	ug/L	101	1.6	SW846 8260B
1,2-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.3	ug/L	103	0.96	SW846 8260B
Benzene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	1.2	SW846 8260B
Trichloroethene	10.0	9.94	ug/L	99		SW846 8260B
	10.0	9.86	ug/L	99	0.77	SW846 8260B
4-Methyl-2-pentanone	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.5	ug/L	115	4.2	SW846 8260B
1,1,2-Trichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.6	ug/L	106	1.6	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JTEHR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D050000-131 JTEHR1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**8.69**	**ug/L**	**87**		**SW846 8260B**
	10.0	**8.88**	**ug/L**	**89**	**2.2**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**52.6**	**ug/L**	**105**		**SW846 8260B**
	50.0	**52.4**	**ug/L**	**105**	**0.49**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**0.0**	**SW846 8260B**
1-Butanol	**100**	**103**	**ug/L**	**103**		**SW846 8260B**
	100	**102**	**ug/L**	**102**	**0.68**	**SW846 8260B**
Toluene	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	10.0	**10.5**	**ug/L**	**105**	**0.47**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(90 - 118)
	105	(90 - 118)
Dibromofluoromethane	107	(83 - 125)
	105	(83 - 125)
1,2-Dichloroethane-d4	105	(75 - 135)
	102	(75 - 135)
4-Bromofluorobenzene	103	(78 - 119)
	101	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JTNMG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7D110000-152 JTNMG1AD-LCSD
Prep Date.....: 04/10/07 **Analysis Date..:** 04/10/07
Prep Batch #...: 7101152
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon tetrachloride	**10.0**	**9.71**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**5.0**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(90 - 118)
	111	(90 - 118)
Dibromofluoromethane	97	(83 - 125)
	102	(83 - 125)
1,2-Dichloroethane-d4	104	(75 - 135)
	107	(75 - 135)
4-Bromofluorobenzene	112	(78 - 119)
	110	(78 - 119)

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/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JRJR51AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7C220175-011 JRJR51AE-MSD
Date Sampled...: 03/21/07 **Date Received..:** 03/22/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/02/07
Prep Batch #...: 7093119
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	8.02	ug/L	80		SW846 8260B
	ND	10.0	8.73	ug/L	87	8.4	SW846 8260B
Ethylbenzene	ND	10.0	9.22	ug/L	92		SW846 8260B
	ND	10.0	9.67	ug/L	97	4.8	SW846 8260B
1,4-Dioxane	ND	200	93.8	ug/L	47		SW846 8260B
	ND	200	102	ug/L	51	8.3	SW846 8260B
Vinyl chloride	ND	10.0	9.51	ug/L	95		SW846 8260B
	ND	10.0	10.3	ug/L	103	8.1	SW846 8260B
Acetone	ND	10.0	8.48	ug/L	85		SW846 8260B
	ND	10.0	8.36	ug/L	84	1.4	SW846 8260B
Methylene chloride	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	9.04	ug/L	90	1.2	SW846 8260B
Carbon disulfide	0.24	10.0	8.77	ug/L	85		SW846 8260B
	0.24	10.0	8.97	ug/L	87	2.2	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.28	SW846 8260B
2-Butanone	ND	10.0	9.08	ug/L	91		SW846 8260B
	ND	10.0	8.69	ug/L	87	4.3	SW846 8260B
Chloroform	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.70	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.9	ug/L	109	4.3	SW846 8260B
Propionitrile	ND	50.0	53.8	ug/L	108		SW846 8260B
	ND	50.0	51.4	ug/L	103	4.7	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.32	ug/L	93		SW846 8260B
	ND	10.0	9.99	ug/L	100	7.0	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.90	SW846 8260B
Carbon tetrachloride	0.11	10.0	16.7	ug/L	166		SW846 8260B
	Qualifiers: a,N						
	0.11	10.0	16.9	ug/L	168	1.4	SW846 8260B
	Qualifiers: a,N						
1,2-Dichloroethane	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	10.9	ug/L	109	1.6	SW846 8260B
Benzene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.77	SW846 8260B
Trichloroethene	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	9.82	ug/L	98	2.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	7.14	ug/L	71		SW846 8260B
	ND	10.0	7.47	ug/L	75	4.6	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JRJR51AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7C220175-011 JRJR51AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1,2-Trichloroethane	**ND**	**10.0**	**7.49**	**ug/L**	**75**		**SW846 8260B**
	ND	**10.0**	**8.00**	**ug/L**	**80**	**6.6**	**SW846 8260B**
Tetrachloroethene	**ND**	**10.0**	**8.29**	**ug/L**	**83**		**SW846 8260B**
	ND	**10.0**	**8.61**	**ug/L**	**86**	**3.8**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**50.4**	**ug/L**	**101**		**SW846 8260B**
	ND	**50.0**	**51.3**	**ug/L**	**103**	**1.7**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**7.45**	**ug/L**	**75**		**SW846 8260B**
	ND	**10.0**	**7.56**	**ug/L**	**76**	**1.4**	**SW846 8260B**
1-Butanol	**ND**	**100**	**83.7**	**ug/L**	**84**		**SW846 8260B**
	ND	**100**	**68.8**	**ug/L**	**69**	**20**	**SW846 8260B**
Toluene	**ND**	**10.0**	**8.71**	**ug/L**	**87**		**SW846 8260B**
	ND	**10.0**	**8.68**	**ug/L**	**87**	**0.34**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	84	(76 - 117)
	85	(76 - 117)
Dibromofluoromethane	102	(82 - 130)
	99	(82 - 130)
1,2-Dichloroethane-d4	107	(73 - 137)
	114	(73 - 137)
4-Bromofluorobenzene	86	(75 - 114)
	87	(75 - 114)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679
MS Lot-Sample #: F7C280243-002
Date Sampled...: 03/27/07
Prep Date.....: 04/04/07
Prep Batch #...: 7095131
Dilution Factor: 1

Work Order #...: JRWT61AK-MS
JRWT61AL-MSD
Date Received..: 03/28/07
Analysis Date..: 04/04/07

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	0.33	10.0	12.4	ug/L	121		SW846 8260B
	0.33	10.0	12.1	ug/L	118	2.4	SW846 8260B
Ethylbenzene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.7	SW846 8260B
1,4-Dioxane	ND	200	167	ug/L	84		SW846 8260B
	ND	200	166	ug/L	83	0.90	SW846 8260B
Vinyl chloride	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	11.0	ug/L	110	5.2	SW846 8260B
Acetone	ND	10.0	9.81	ug/L	98		SW846 8260B
	ND	10.0	10.4	ug/L	104	5.6	SW846 8260B
Methylene chloride	ND	10.0	9.90	ug/L	99		SW846 8260B
	ND	10.0	9.71	ug/L	97	1.9	SW846 8260B
Carbon disulfide	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	10.8	ug/L	108	2.5	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	11.8	ug/L	118	4.0	SW846 8260B
2-Butanone	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.28	ug/L	93	8.4	SW846 8260B
Chloroform	0.97	10.0	13.4	ug/L	124		SW846 8260B
	0.97	10.0	12.6	ug/L	117	5.9	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	11.8	ug/L	118	3.1	SW846 8260B
Propionitrile	ND	50.0	55.8	ug/L	112		SW846 8260B
	ND	50.0	54.4	ug/L	109	2.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	11.8	ug/L	118	2.9	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	11.8	ug/L	118	3.2	SW846 8260B
Carbon tetrachloride	16	10.0	27.4	ug/L	119		SW846 8260B
	16	10.0	26.8	ug/L	113	2.3	SW846 8260B
1,2-Dichloroethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	10.9	ug/L	109	3.9	SW846 8260B
Benzene	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	11.6	ug/L	116	3.9	SW846 8260B
Trichloroethene	0.22	10.0	11.2	ug/L	110		SW846 8260B
	0.22	10.0	10.8	ug/L	105	3.9	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.4	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.9	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL679 **Work Order #...:** JRWT61AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F7C280243-002 JRWT61AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**1.1**	**10.0**	**9.67**	**ug/L**	**86**		**SW846 8260B**
	1.1	**10.0**	**9.71**	**ug/L**	**86**	**0.37**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**49.9**	**ug/L**	**100**		**SW846 8260B**
	ND	**50.0**	**49.6**	**ug/L**	**99**	**0.62**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**9.84**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**10.1**	**ug/L**	**101**	**2.4**	**SW846 8260B**
1-Butanol	**ND**	**100**	**118**	**ug/L**	**118**		**SW846 8260B**
	ND	**100**	**112**	**ug/L**	**112**	**5.9**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.8**	**ug/L**	**108**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**1.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	96	(76 - 117)
	96	(76 - 117)
Dibromofluoromethane	98	(82 - 130)
	97	(82 - 130)
1,2-Dichloroethane-d4	95	(73 - 137)
	95	(73 - 137)
4-Bromofluorobenzene	97	(75 - 114)
	99	(75 - 114)

NOTE(S):

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

Bold print denotes control parameters

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1ML13

GC Semivolatiles

Lot-Sample #...: F7C280243-002 **Work Order #...:** JRWT61AJ **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/11/07
Prep Batch #...: 7092182
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(55 - 118)
2-Fluorophenol	74	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1ML01

GC Semivolatiles

Lot-Sample #...: F7C280243-056 **Work Order #...:** JRW9A1AC **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/11/07
Prep Batch #...: 7092182
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	71	(55 - 118)
2-Fluorophenol	66	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1ML21

GC Semivolatiles

Lot-Sample #...: F7C290197-003 **Work Order #...:** JR0471AC **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/11/07
Prep Batch #...: 7092182
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	78	(55 - 118)
2-Fluorophenol	75	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1MKY7

GC Semivolatiles

Lot-Sample #...: F7C290197-005 **Work Order #...:** JR05M1AC **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07
Prep Date.....: 04/02/07 **Analysis Date..:** 04/11/07
Prep Batch #...: 7092182
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	63	(55 - 118)
2-Fluorophenol	66	(40 - 98)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL679
MB Lot-Sample #: F7D020000-182

Work Order #...: JR6QA1AA
Prep Date.....: 04/02/07
Prep Batch #...: 7092182

Matrix.....: WATER

Analysis Date..: 04/11/07
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	66	(55 - 118)
2-Fluorophenol	67	(40 - 98)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL679 Work Order #...: JR6QA1AC Matrix.....: WATER
LCS Lot-Sample#: F7D020000-182
Prep Date.....: 04/02/07 Analysis Date..: 04/11/07
Prep Batch #...: 7092182
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**87.3**	**ug/L**	**87**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**93.2**	**ug/L**	**93**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**88.0**	**ug/L**	**88**	**SW846 8040A**
2-Methylphenol	**100**	**88.1**	**ug/L**	**88**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**89.5**	**ug/L**	**90**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**89.3**	**ug/L**	**89**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**88.3**	**ug/L**	**88**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**97.4**	**ug/L**	**97**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**99.4**	**ug/L**	**99**	**SW846 8040A**
Dinoseb	**100**	**107**	**ug/L**	**107**	**SW846 8040A**
2-Nitrophenol	**100**	**92.9**	**ug/L**	**93**	**SW846 8040A**
4-Nitrophenol	**100**	**97.1**	**ug/L**	**97**	**SW846 8040A**
Pentachlorophenol	**100**	**89.1**	**ug/L**	**89**	**SW846 8040A**
Phenol	**100**	**84.0**	**ug/L**	**84**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**98.9**	**ug/L**	**99**	**SW846 8040A**
2,4,5-Trichlorophenol	**100**	**93.6**	**ug/L**	**94**	**SW846 8040A**
2,4,6-Trichlorophenol	**100**	**95.8**	**ug/L**	**96**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	89	(66 - 99)
2-Fluorophenol	75	(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 #...: SL679
MS Lot-Sample #: F7C280243-002
Date Sampled...: 03/27/07
Prep Date.....: 04/02/07
Prep Batch #...: 7092182
Dilution Factor: 1

Work Order #...: JRWT61A0-MS
JRWT61A1-MSD
Date Received..: 03/28/07
Analysis Date..: 04/11/07

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.0	74.3	ug/L	78		SW846 8040A
	ND	95.1	82.9	ug/L	87	11	SW846 8040A
4-Chloro-3-methylphenol	ND	95.0	78.5	ug/L	83		SW846 8040A
	ND	95.1	88.5	ug/L	93	12	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.0	73.6	ug/L	77		SW846 8040A
	ND	95.1	83.9	ug/L	88	13	SW846 8040A
2-Methylphenol	ND	95.0	74.4	ug/L	78		SW846 8040A
	ND	95.1	83.8	ug/L	88	12	SW846 8040A
2,4-Dichlorophenol	ND	95.0	75.6	ug/L	80		SW846 8040A
	ND	95.1	84.9	ug/L	89	12	SW846 8040A
2,6-Dichlorophenol	ND	95.0	75.8	ug/L	80		SW846 8040A
	ND	95.1	84.4	ug/L	89	11	SW846 8040A
2,4-Dimethylphenol	ND	95.0	72.5	ug/L	76		SW846 8040A
	ND	95.1	82.0	ug/L	86	12	SW846 8040A
2,4-Dinitrophenol	ND	95.0	83.5	ug/L	88		SW846 8040A
	ND	95.1	92.5	ug/L	97	10	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.0	85.3	ug/L	90		SW846 8040A
	ND	95.1	94.5	ug/L	99	10	SW846 8040A
Dinoseb	ND	95.0	93.9	ug/L	99		SW846 8040A
	ND	95.1	101	ug/L	106	7.0	SW846 8040A
2-Nitrophenol	ND	95.0	77.9	ug/L	82		SW846 8040A
	ND	95.1	88.8	ug/L	93	13	SW846 8040A
4-Nitrophenol	ND	95.0	77.1	ug/L	81		SW846 8040A
	ND	95.1	94.8	ug/L	100 p	21	SW846 8040A
Pentachlorophenol	ND	95.0	79.0	ug/L	83		SW846 8040A
	ND	95.1	84.5	ug/L	89	6.8	SW846 8040A
Phenol	ND	95.0	70.5	ug/L	74		SW846 8040A
	ND	95.1	82.2	ug/L	86	15	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.0	84.1	ug/L	89		SW846 8040A
	ND	95.1	98.5	ug/L	104	16	SW846 8040A
2,4,5-Trichlorophenol	ND	95.0	79.2	ug/L	83		SW846 8040A
	ND	95.1	89.5	ug/L	94	12	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL679 **Work Order #...:** JRWT61A0-MS **Matrix.....:** WATER
MS Lot-Sample #: F7C280243-002 JRWT61A1-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.0**	**83.8**	**ug/L**	**88**		**SW846 8040A**
	ND	**95.1**	**92.2**	**ug/L**	**97**	**9.5**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	81	(55 - 118)
	89	(55 - 118)
2-Fluorophenol	67	(40 - 98)
	76	(40 - 98)

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.

METALS

Pacific Northwest National Laboratory

Client Sample ID: B1ML12

DISSOLVED Metals

Lot-Sample #...: F7C280243-001 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**41.6 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWTL1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**51200**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWTL1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**61.6 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/17/07**	**JRWTL1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWTL1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4340 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/17/07**	**JRWTL1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1ML12

DISSOLVED Metals

Lot-Sample #...: F7C280243-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	12600	5000	ug/L	SW846 6010B	03/29-04/17/07	JRWTL1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	201	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	26.9 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	13.1 B	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWTL1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRWTL1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7093065						
Mercury	ND	0.20	ug/L	SW846 7470A	04/03/07	JRWTL1AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MJV6

DISSOLVED Metals

Lot-Sample #...: F7C280243-008 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**27.7 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWV01AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**42100**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWV01AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/17/07	JRWV01AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12300**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWV01AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6650**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/17/07**	**JRWV01AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MJV6

DISSOLVED Metals

Lot-Sample #...: F7C280243-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19800**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/17/07**	**JRWV01AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**204**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWV01AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**28.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWV01AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWV01AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRWV01AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MJW8

DISSOLVED Metals

Lot-Sample #...: F7C280243-014 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**45.3 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWWV1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**61000**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWWV1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWWV1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7570**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWWV1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MJW8

DISSOLVED Metals

Lot-Sample #...: F7C280243-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	18300	5000	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	294	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	18.8 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	11.1 B	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWWV1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRWWV1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK14

DISSOLVED Metals

Lot-Sample #...: F7C280243-019 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**39.3 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**57000**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**32.5 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16500**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6290**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWW61AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK14

DISSOLVED Metals

Lot-Sample #...: F7C280243-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**16600**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**296**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**13.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWW61AV**
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRWW61AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK43

DISSOLVED Metals

Lot-Sample #...: F7C280243-021 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**35.4 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**30800**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**83.5**	**10.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**27.0 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10600**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**5.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3570 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK43

DISSOLVED Metals

Lot-Sample #...: F7C280243-021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**28300**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**121**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**30.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXD1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXD1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK63

DISSOLVED Metals

Lot-Sample #...: F7C280243-023 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**35.5 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29900**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**11.3**	**10.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**28.4 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9520**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**3.7 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4730 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXG1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK63

DISSOLVED Metals

Lot-Sample #...: F7C280243-023

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	29200	5000	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	121	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	28.5 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXG1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK68

DISSOLVED Metals

Lot-Sample #...: F7C280243-025 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**39.4 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**27400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9060**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3070 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK68

DISSOLVED Metals

Lot-Sample #...: F7C280243-025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**25800**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**113**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXP1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXP1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK80

DISSOLVED Metals

Lot-Sample #...: F7C280243-027 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**36.3 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXR1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**31000**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXR1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXR1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4690 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXR1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK80

DISSOLVED Metals

Lot-Sample #...: F7C280243-027 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	31300	5000	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	123	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	31.0 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	10.5 B	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXR1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKB5

DISSOLVED Metals

Lot-Sample #...: F7C280243-029 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**20.7 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXX1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXX1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6580**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXX1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3100 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWXX1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MKB5

DISSOLVED Metals

Lot-Sample #...: F7C280243-029 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	25200	5000	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	71.4	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	31.9 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWXX1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK58

DISSOLVED Metals

Lot-Sample #...: F7C280243-032 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**22.6 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**22500**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**25.9 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8130**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**3.3 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3560 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRWX61AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK58

DISSOLVED Metals

Lot-Sample #...: F7C280243-032 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	19300	5000	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	84.2	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	31.7 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	12.0 B	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRWX61AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MJY0

DISSOLVED Metals

Lot-Sample #...: F7C280243-038 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**34.9 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**54500**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**104**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**15600**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7140**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW7P1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MJY0

DISSOLVED Metals

Lot-Sample #...: F7C280243-038 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**15600**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**286**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**26.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**9.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW7P1AV**
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRW7P1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK26

DISSOLVED Metals

Lot-Sample #...: F7C280243-044 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**52.2 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**70100**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRW711AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**20300**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7590**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK26

DISSOLVED Metals

Lot-Sample #...: F7C280243-044 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19300**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**344**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**25.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW711AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRW711AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRW711AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK75

DISSOLVED Metals

Lot-Sample #...: F7C280243-046 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**31.2 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW771AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**26200**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW771AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRW771AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9040**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW771AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3220 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW771AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK75

DISSOLVED Metals

Lot-Sample #...: F7C280243-046 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	25700	5000	ug/L	SW846 6010B	03/29-04/18/07	JRW771AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	98.3	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	31.2 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	10.3 B	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRW771AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKC9

DISSOLVED Metals

Lot-Sample #...: F7C280243-048 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088237						
Arsenic	ND	10.0	ug/L	SW846 6020	03/29-04/12/07	JRW8D1AC
		Dilution Factor: 1		MDL.....: 2.0		

Pacific Northwest National Laboratory

Client Sample ID: B1ML00

DISSOLVED Metals

Lot-Sample #...: F7C280243-055 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**37.8 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**43700**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/29-04/18/07	JRW871AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**13900**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**5.4 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4310 B**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1ML00

DISSOLVED Metals

Lot-Sample #...: F7C280243-055 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**10900**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**165**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRW871AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRW871AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRW871AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7093065						
Mercury	ND	0.20	ug/L	SW846 7470A	04/03/07	JRW871AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKM5

DISSOLVED Metals

Lot-Sample #...: F7C280243-058 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**52.9 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXAQ1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**91600**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXAQ1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**39.1 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXAQ1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**26400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXAQ1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**9710**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXAQ1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MKM5

DISSOLVED Metals

Lot-Sample #...: F7C280243-058 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	16900	5000	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	474	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	14.1 B	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRXAQ1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK39

DISSOLVED Metals

Lot-Sample #...: F7C280243-064 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	03/29-04/18/07	JRXCJ1AA
Barium	**47.0 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**03/29-04/18/07**	**JRXCJ1AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	03/29-04/18/07	JRXCJ1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	03/29-04/18/07	JRXCJ1AE
Calcium	**60300**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**03/29-04/18/07**	**JRXCJ1AF**
Chromium	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 3.1	03/29-04/18/07	JRXCJ1AG
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	03/29-04/18/07	JRXCJ1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	03/29-04/18/07	JRXCJ1AJ
Iron	ND	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	03/29-04/18/07	JRXCJ1AK
Magnesium	**17800**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**03/29-04/18/07**	**JRXCJ1AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	03/29-04/18/07	JRXCJ1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	03/29-04/18/07	JRXCJ1AN
Potassium	**7730**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**03/29-04/18/07**	**JRXCJ1AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	03/29-04/18/07	JRXCJ1AQ

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Pacific Northwest National Laboratory

Client Sample ID: B1MK39

DISSOLVED Metals

Lot-Sample #...: F7C280243-064 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCJ1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**305**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCJ1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**21.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCJ1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCJ1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7088237						
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JRXCJ1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKL5

DISSOLVED Metals

Lot-Sample #...: F7C280243-066 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**35.9 B**	**200**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	**0.57 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AD**
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**56100**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**29.6 B**	**100**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16400**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6940**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MKL5

DISSOLVED Metals

Lot-Sample #...: F7C280243-066 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**13900**	**5000**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**271**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**23.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/29-04/18/07**	**JRXCL1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JRXCL1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML20

DISSOLVED Metals

Lot-Sample #...: F7C290197-002 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**32.7 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**33500**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**38.9 B,C**	**100**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR04X1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12700**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.9 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4510 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR04X1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR04X1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1ML20

DISSOLVED Metals

Lot-Sample #...: F7C290197-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**14700**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR04X1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**147**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**19.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**12.3 B**	**20.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR04X1AV**
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7089209						
Lead	ND	3.0	ug/L	SW846 6020	03/30-04/12/07	JR04X1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7093065						
Mercury	ND	0.20	ug/L	SW846 7470A	04/03/07	JR04X1AX
		Dilution Factor: 1		MDL.....: 0.093		

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: B1MKY6

DISSOLVED Metals

Lot-Sample #...: F7C290197-004 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**78.0 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**37400**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**5.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**65.5 B,C**	**100**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR05G1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**13700**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4400 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR05G1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR05G1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MKY6

DISSOLVED Metals

Lot-Sample #...: F7C290197-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**17200**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR05G1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**197**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**33.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**18.5 B**	**20.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR05G1AV**
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7089209						
Lead	ND	3.0	ug/L	SW846 6020	03/30-04/12/07	JR05G1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7093065						
Mercury	ND	0.20	ug/L	SW846 7470A	04/03/07	JR05G1AX
		Dilution Factor: 1		MDL.....: 0.093		

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: B1MK53

DISSOLVED Metals

Lot-Sample #...: F7C290197-007 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**25.2 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR07V1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**24500**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR07V1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/30-04/20/07	JR07V1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8120**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR07V1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2650 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR07V1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK53

DISSOLVED Metals

Lot-Sample #...: F7C290197-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19200**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR07V1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**104**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR07V1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**34.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR07V1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/30-04/18/07	JR07V1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKP4

DISSOLVED Metals

Lot-Sample #...: F7C290197-009 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**40.5 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR0741AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**41300**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR0741AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**295**	**10.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR0741AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/30-04/20/07	JR0741AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**14500**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR0741AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4830 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR0741AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MKP4

DISSOLVED Metals

Lot-Sample #...: F7C290197-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	27100	5000	ug/L	SW846 6010B	03/30-04/20/07	JR0741AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	160	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	27.2 B	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	12.6 B	20.0	ug/L	SW846 6010B	03/30-04/18/07	JR0741AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MK48

DISSOLVED Metals

Lot-Sample #...: F7C290197-011 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**27.9 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	**0.75 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AD**
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**26900**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**11.0**	**10.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	03/30-04/20/07	JR08D1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8940**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**4.5 B**	**15.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4230 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR08D1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MK48

DISSOLVED Metals

Lot-Sample #...: F7C290197-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**23400**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR08D1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**107**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**32.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR08D1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	03/30-04/18/07	JR08D1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MD35

DISSOLVED Metals

Lot-Sample #...: F7C290304-001 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**47.7 B**	**200**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29700**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	**5.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AH**
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**31.2 B,C**	**100**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR1131AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6530**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**422**	**15.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**2160 B**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR1131AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1MD35

DISSOLVED Metals

Lot-Sample #...: F7C290304-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**204000**	**5000**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR1131AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**162**	**50.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR1131AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**19.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**03/30-04/18/07**	**JR1131AV**
		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 #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7C290000-234 **Prep Batch #...:** 7088234						
Antimony	ND	60.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	03/29-04/17/07	JR1C31AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	03/29-04/17/07	JR1C31AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	03/29-04/17/07	JR1C31AR
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	03/29-04/18/07	JR1C31AV
		Dilution Factor: 1				
MB Lot-Sample #: F7C290000-237 **Prep Batch #...:** 7088237						
Arsenic	ND	10.0	ug/L	SW846 6020	03/29-04/12/07	JR1DE1AC
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6020	03/29-04/12/07	JR1DE1AA
		Dilution Factor: 1				
MB Lot-Sample #: F7C300000-207 **Prep Batch #...:** 7089207						
Antimony	ND	60.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AJ
		Dilution Factor: 1				
Iron	**61.5 B**	**100**	**ug/L**	**SW846 6010B**	**03/30-04/20/07**	**JR3L91AK**
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	ND	5000	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	03/30-04/20/07	JR3L91AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	03/30-04/20/07	JR3L91AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	03/30-04/18/07	JR3L91AV
		Dilution Factor: 1				

MB Lot-Sample #: F7C300000-209 **Prep Batch #...:** 7089209

Lead	ND	3.0	ug/L	SW846 6020	03/30-04/12/07	JR3MP1AA
		Dilution Factor: 1				

MB Lot-Sample #: F7D030000-065 **Prep Batch #...:** 7093065

Mercury	ND	0.20	ug/L	SW846 7470A	04/03/07	JR7XE1AA
		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 #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7C290000-234 **Prep Batch #...:** 7088234							
Antimony	500	545	ug/L	109	SW846 6010B	03/29-04/18/07	JR1C31AW
			Dilution Factor: 1				
Barium	500	529	ug/L	106	SW846 6010B	03/29-04/18/07	JR1C31AX
			Dilution Factor: 1				
Beryllium	500	568	ug/L	114	SW846 6010B	03/29-04/18/07	JR1C31A0
			Dilution Factor: 1				
Cadmium	500	549	ug/L	110	SW846 6010B	03/29-04/18/07	JR1C31A1
			Dilution Factor: 1				
Calcium	10000	11300	ug/L	113	SW846 6010B	03/29-04/18/07	JR1C31A2
			Dilution Factor: 1				
Chromium	500	537	ug/L	107	SW846 6010B	03/29-04/18/07	JR1C31A3
			Dilution Factor: 1				
Cobalt	500	536	ug/L	107	SW846 6010B	03/29-04/18/07	JR1C31A4
			Dilution Factor: 1				
Copper	500	524	ug/L	105	SW846 6010B	03/29-04/18/07	JR1C31A5
			Dilution Factor: 1				
Iron	500	568	ug/L	114	SW846 6010B	03/29-04/17/07	JR1C31A6
			Dilution Factor: 1				
Magnesium	10000	11300	ug/L	113	SW846 6010B	03/29-04/18/07	JR1C31A7
			Dilution Factor: 1				
Manganese	500	542	ug/L	108	SW846 6010B	03/29-04/18/07	JR1C31A8
			Dilution Factor: 1				
Nickel	500	532	ug/L	106	SW846 6010B	03/29-04/18/07	JR1C31A9
			Dilution Factor: 1				
Potassium	10000	11600	ug/L	116	SW846 6010B	03/29-04/17/07	JR1C31CA
			Dilution Factor: 1				
Silver	125	133	ug/L	106	SW846 6010B	03/29-04/18/07	JR1C31CC
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10900	ug/L	109	SW846 6010B	03/29-04/17/07	JR1C31CD
			Dilution Factor: 1				
Strontium	500	545	ug/L	109	SW846 6010B	03/29-04/18/07	JR1C31CE
			Dilution Factor: 1				
Vanadium	500	538	ug/L	108	SW846 6010B	03/29-04/18/07	JR1C31CF
			Dilution Factor: 1				
Zinc	500	511	ug/L	102	SW846 6010B	03/29-04/18/07	JR1C31CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7C290000-237 **Prep Batch #...:** 7088237							
Lead	500	511	ug/L	102	SW846 6020	03/29-04/12/07	JR1DE1AD
			Dilution Factor: 1				
Arsenic	500	482	ug/L	96	SW846 6020	03/29-04/12/07	JR1DE1AE
			Dilution Factor: 1				
LCS Lot-Sample#: F7C300000-207 **Prep Batch #...:** 7089207							
Antimony	500	536	ug/L	107	SW846 6010B	03/30-04/18/07	JR3L91AW
			Dilution Factor: 1				
Barium	500	513	ug/L	103	SW846 6010B	03/30-04/18/07	JR3L91AX
			Dilution Factor: 1				
Beryllium	500	554	ug/L	111	SW846 6010B	03/30-04/18/07	JR3L91A0
			Dilution Factor: 1				
Cadmium	500	538	ug/L	108	SW846 6010B	03/30-04/18/07	JR3L91A1
			Dilution Factor: 1				
Calcium	10000	11100	ug/L	111	SW846 6010B	03/30-04/18/07	JR3L91A2
			Dilution Factor: 1				
Chromium	500	525	ug/L	105	SW846 6010B	03/30-04/18/07	JR3L91A3
			Dilution Factor: 1				
Cobalt	500	526	ug/L	105	SW846 6010B	03/30-04/18/07	JR3L91A4
			Dilution Factor: 1				
Copper	500	505	ug/L	101	SW846 6010B	03/30-04/18/07	JR3L91A5
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	500	572	ug/L	114	SW846 6010B	03/30-04/20/07	JR3L91A6
			Dilution Factor: 1				
Magnesium	10000	11200	ug/L	112	SW846 6010B	03/30-04/18/07	JR3L91A7
			Dilution Factor: 1				
Manganese	500	533	ug/L	107	SW846 6010B	03/30-04/18/07	JR3L91A8
			Dilution Factor: 1				
Nickel	500	521	ug/L	104	SW846 6010B	03/30-04/18/07	JR3L91A9
			Dilution Factor: 1				
Potassium	10000	9670	ug/L	97	SW846 6010B	03/30-04/20/07	JR3L91CA
			Dilution Factor: 1				
Silver	125	130	ug/L	104	SW846 6010B	03/30-04/18/07	JR3L91CC
			Dilution Factor: 1				
Sodium	10000	10600	ug/L	106	SW846 6010B	03/30-04/20/07	JR3L91CD
			Dilution Factor: 1				
Strontium	500	526	ug/L	105	SW846 6010B	03/30-04/18/07	JR3L91CE
			Dilution Factor: 1				
Vanadium	500	527	ug/L	105	SW846 6010B	03/30-04/18/07	JR3L91CF
			Dilution Factor: 1				
Zinc	500	504	ug/L	101	SW846 6010B	03/30-04/18/07	JR3L91CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7C300000-209 **Prep Batch #...:** 7089209							
Lead	500	497	ug/L	99	SW846 6020	03/30-04/12/07	JR3MP1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7D030000-065 **Prep Batch #...:** 7093065							
Mercury	1.00	0.987	ug/L	99	SW846 7470A	04/03/07	JR7XE1AC
			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 #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7C280243-001 **Prep Batch #...:** 7088234									
Antimony									
	ND	250	268	ug/L	107		SW846 6010B	03/29-04/18/07	JRWTL1A0
	ND	250	262	ug/L	105	2.0	SW846 6010B	03/29-04/18/07	JRWTL1A1
			Dilution Factor: 1						
Barium									
	41.6	1000	1070	ug/L	103		SW846 6010B	03/29-04/18/07	JRWTL1A2
	41.6	1000	1050	ug/L	101	1.6	SW846 6010B	03/29-04/18/07	JRWTL1A3
			Dilution Factor: 1						
Beryllium									
	ND	25.0	28.3	ug/L	113		SW846 6010B	03/29-04/18/07	JRWTL1A4
	ND	25.0	27.8	ug/L	111	1.8	SW846 6010B	03/29-04/18/07	JRWTL1A5
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.5	ug/L	102		SW846 6010B	03/29-04/18/07	JRWTL1A6
	ND	25.0	25.1	ug/L	100	1.7	SW846 6010B	03/29-04/18/07	JRWTL1A7
			Dilution Factor: 1						
Calcium									
	51200	25000	77800	ug/L	106		SW846 6010B	03/29-04/18/07	JRWTL1A8
	51200	25000	76000	ug/L	99	2.3	SW846 6010B	03/29-04/18/07	JRWTL1A9
			Dilution Factor: 1						
Chromium									
	ND	100	108	ug/L	108		SW846 6010B	03/29-04/18/07	JRWTL1CA
	ND	100	105	ug/L	105	2.3	SW846 6010B	03/29-04/18/07	JRWTL1CC
			Dilution Factor: 1						
Cobalt									
	ND	250	257	ug/L	103		SW846 6010B	03/29-04/18/07	JRWTL1CD
	ND	250	252	ug/L	101	2.1	SW846 6010B	03/29-04/18/07	JRWTL1CE
			Dilution Factor: 1						
Copper									
	ND	125	129	ug/L	103		SW846 6010B	03/29-04/18/07	JRWTL1CF
	ND	125	126	ug/L	101	1.7	SW846 6010B	03/29-04/18/07	JRWTL1CG
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	61.6	500	569	ug/L	102		SW846 6010B	03/29-04/17/07	JRWTL1CH
	61.6	500	571	ug/L	102	0.32	SW846 6010B	03/29-04/17/07	JRWTL1CJ
			Dilution Factor: 1						
Magnesium									
	16400	25000	43300	ug/L	108		SW846 6010B	03/29-04/18/07	JRWTL1CK
	16400	25000	42300	ug/L	104	2.2	SW846 6010B	03/29-04/18/07	JRWTL1CL
			Dilution Factor: 1						
Manganese									
	ND	250	261	ug/L	104		SW846 6010B	03/29-04/18/07	JRWTL1CM
	ND	250	256	ug/L	102	1.8	SW846 6010B	03/29-04/18/07	JRWTL1CN
			Dilution Factor: 1						
Nickel									
	ND	250	255	ug/L	102		SW846 6010B	03/29-04/18/07	JRWTL1CP
	ND	250	251	ug/L	100	1.4	SW846 6010B	03/29-04/18/07	JRWTL1CQ
			Dilution Factor: 1						
Potassium									
	4340	25000	31900	ug/L	110		SW846 6010B	03/29-04/17/07	JRWTL1CR
	4340	25000	32300	ug/L	112	1.3	SW846 6010B	03/29-04/17/07	JRWTL1CT
			Dilution Factor: 1						
Silver									
	ND	25.0	26.0	ug/L	104		SW846 6010B	03/29-04/18/07	JRWTL1CU
	ND	25.0	24.8	ug/L	99	4.7	SW846 6010B	03/29-04/18/07	JRWTL1CV
			Dilution Factor: 1						
Sodium									
	12600	25000	39700	ug/L	108		SW846 6010B	03/29-04/17/07	JRWTL1CW
	12600	25000	39500	ug/L	108	0.51	SW846 6010B	03/29-04/17/07	JRWTL1CX
			Dilution Factor: 1						
Strontium									
	201	500	730	ug/L	106		SW846 6010B	03/29-04/18/07	JRWTL1C0
	201	500	717	ug/L	103	1.8	SW846 6010B	03/29-04/18/07	JRWTL1C1
			Dilution Factor: 1						
Vanadium									
	26.9	250	290	ug/L	105		SW846 6010B	03/29-04/18/07	JRWTL1C2
	26.9	250	284	ug/L	103	1.8	SW846 6010B	03/29-04/18/07	JRWTL1C3
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	13.1	250	253	ug/L	96		SW846 6010B	03/29-04/18/07	JRWTL1C4
	13.1	250	248	ug/L	94	1.9	SW846 6010B	03/29-04/18/07	JRWTL1C5
			Dilution Factor: 1						

MS Lot-Sample #: F7C280243-001 **Prep Batch #...:** 7088237

Lead									
	ND	250	253	ug/L	101		SW846 6020	03/29-04/12/07	JRWTL1C6
	ND	250	249	ug/L	100	1.6	SW846 6020	03/29-04/12/07	JRWTL1C7
			Dilution Factor: 1						

MS Lot-Sample #: F7C280243-001 **Prep Batch #...:** 7093065

Mercury									
	ND	1.00	0.962	ug/L	96		SW846 7470A	04/03/07	JRWTL1C8
	ND	1.00	0.922	ug/L	92	4.2	SW846 7470A	04/03/07	JRWTL1C9
			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 #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7C280243-048 **Prep Batch #...:** 7088237									
Arsenic									
	ND	1000	993	ug/L	99		SW846 6020	03/29-04/12/07	JRW8D1AD
	ND	1000	1030	ug/L	103	3.5	SW846 6020	03/29-04/12/07	JRW8D1AE

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 #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7C290197-002 **Prep Batch #...:** 7089209									
Lead									
	ND	250	248	ug/L	99		SW846 6020	03/30-04/12/07	JR04X1A0
	ND	250	246	ug/L	99	0.78	SW846 6020	03/30-04/12/07	JR04X1A1

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 #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

MS Lot-Sample #: F7C290197-007 **Prep Batch #...:** 7089207

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	264	ug/L	106		SW846 6010B	03/30-04/18/07	JR07V1AW
	ND	250	263	ug/L	105	0.28	SW846 6010B	03/30-04/18/07	JR07V1AX
			Dilution Factor: 1						
Barium									
	25.2	1000	1050	ug/L	103		SW846 6010B	03/30-04/18/07	JR07V1A0
	25.2	1000	1020	ug/L	100	2.8	SW846 6010B	03/30-04/18/07	JR07V1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.9	ug/L	112		SW846 6010B	03/30-04/18/07	JR07V1A2
	ND	25.0	27.1	ug/L	108	3.1	SW846 6010B	03/30-04/18/07	JR07V1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.7	ug/L	103		SW846 6010B	03/30-04/18/07	JR07V1A4
	ND	25.0	24.9	ug/L	99	3.4	SW846 6010B	03/30-04/18/07	JR07V1A5
			Dilution Factor: 1						
Calcium									
	24500	25000	50700	ug/L	105		SW846 6010B	03/30-04/18/07	JR07V1A6
	24500	25000	49800	ug/L	101	1.7	SW846 6010B	03/30-04/18/07	JR07V1A7
			Dilution Factor: 1						
Chromium									
	ND	100	107	ug/L	107		SW846 6010B	03/30-04/18/07	JR07V1A8
	ND	100	104	ug/L	104	2.4	SW846 6010B	03/30-04/18/07	JR07V1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	259	ug/L	104		SW846 6010B	03/30-04/18/07	JR07V1CA
	ND	250	251	ug/L	100	3.1	SW846 6010B	03/30-04/18/07	JR07V1CC
			Dilution Factor: 1						
Copper									
	ND	125	128	ug/L	102		SW846 6010B	03/30-04/18/07	JR07V1CD
	ND	125	125	ug/L	100	2.0	SW846 6010B	03/30-04/18/07	JR07V1CE
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	550	ug/L	110		SW846 6010B	03/30-04/20/07	JR07V1CF
	ND	500	551	ug/L	110	0.06	SW846 6010B	03/30-04/20/07	JR07V1CG
			Dilution Factor: 1						
Magnesium									
	8120	25000	35200	ug/L	108		SW846 6010B	03/30-04/18/07	JR07V1CH
	8120	25000	34300	ug/L	105	2.6	SW846 6010B	03/30-04/18/07	JR07V1CJ
			Dilution Factor: 1						
Manganese									
	ND	250	262	ug/L	105		SW846 6010B	03/30-04/18/07	JR07V1CK
	ND	250	254	ug/L	102	3.1	SW846 6010B	03/30-04/18/07	JR07V1CL
			Dilution Factor: 1						
Nickel									
	ND	250	256	ug/L	103		SW846 6010B	03/30-04/18/07	JR07V1CM
	ND	250	249	ug/L	100	2.9	SW846 6010B	03/30-04/18/07	JR07V1CN
			Dilution Factor: 1						
Potassium									
	2650	25000	29900	ug/L	109		SW846 6010B	03/30-04/20/07	JR07V1CP
	2650	25000	29500	ug/L	108	1.1	SW846 6010B	03/30-04/20/07	JR07V1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	24.9	ug/L	99		SW846 6010B	03/30-04/18/07	JR07V1CR
	ND	25.0	24.0	ug/L	96	3.6	SW846 6010B	03/30-04/18/07	JR07V1CT
			Dilution Factor: 1						
Sodium									
	19200	25000	44900	ug/L	103		SW846 6010B	03/30-04/20/07	JR07V1CU
	19200	25000	44500	ug/L	101	0.92	SW846 6010B	03/30-04/20/07	JR07V1CV
			Dilution Factor: 1						
Strontium									
	104	500	628	ug/L	105		SW846 6010B	03/30-04/18/07	JR07V1CW
	104	500	613	ug/L	102	2.4	SW846 6010B	03/30-04/18/07	JR07V1CX
			Dilution Factor: 1						
Vanadium									
	34.7	250	294	ug/L	104		SW846 6010B	03/30-04/18/07	JR07V1C0
	34.7	250	287	ug/L	101	2.3	SW846 6010B	03/30-04/18/07	JR07V1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	252	ug/L	101		SW846 6010B	03/30-04/18/07	JR07V1C2
	ND	250	245	ug/L	98	2.7	SW846 6010B	03/30-04/18/07	JR07V1C3

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: B1ML13

General Chemistry

Lot-Sample #...: F7C280243-002 Work Order #...: JRWT6 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.2 C,DN	2.0	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.29	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	5.5 D	0.20	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.34 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	40.5 D	5.0	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MJV2

General Chemistry

Lot-Sample #...: F7C280243-004 **Work Order #...:** JRWVQ **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJV3

General Chemistry

Lot-Sample #...: F7C280243-005 Work Order #...: JRWVT Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJV4

General Chemistry

Lot-Sample #...: F7C280243-006 **Work Order #...:** JRWVV **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJV5

General Chemistry

Lot-Sample #...: F7C280243-007 Work Order #...: JRWVX Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJV7

General Chemistry

Lot-Sample #...: F7C280243-009 Work Order #...: JRWV2 Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	13.2 C,D	2.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.28	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	2.3 D	0.20	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.20 N	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	60.9 D	5.0	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MJW4

General Chemistry

Lot-Sample #...: F7C280243-010 Work Order #...: JRWWP Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196
		Dilution Factor: 1		MDL.....: 0.76		

Pacific Northwest National Laboratory

Client Sample ID: B1MJW5

General Chemistry

Lot-Sample #...: F7C280243-011 Work Order #...: JRWWQ Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJW6

General Chemistry

Lot-Sample #...: F7C280243-012 **Work Order #...:** JRWWR **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJW7

General Chemistry

Lot-Sample #...: F7C280243-013 Work Order #...: JRWWT Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/30/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK10

General Chemistry

Lot-Sample #...: F7C280243-015 Work Order #...: JRWWX Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK11

General Chemistry

Lot-Sample #...: F7C280243-016 Work Order #...: JRWW2 Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK12

General Chemistry

Lot-Sample #...: F7C280243-017 **Work Order #...:** JRWW3 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK13

General Chemistry

Lot-Sample #...: F7C280243-018 **Work Order #...:** JRWW4 **Matrix.....:** WATER
Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK15

General Chemistry

Lot-Sample #...: F7C280243-020 Work Order #...: JRWW9 Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	14.0 C,D	2.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.21	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	5.4 D	0.20	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.21 N	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	95.2 D	5.0	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK44

General Chemistry

Lot-Sample #...: F7C280243-022 Work Order #...: JRWXF Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	7.3 C,D	2.0	mg/L	MCAWW 300.0A	03/30-03/31/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.41	0.10	mg/L	MCAWW 300.0A	03/30-03/31/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	17.2 D	0.40	mg/L	MCAWW 300.0A	04/02/07	7092220
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	03/30-03/31/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	18.5	0.50	mg/L	MCAWW 300.0A	03/30-03/31/07	7092136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK64

General Chemistry

Lot-Sample #...: F7C280243-024 Work Order #...: JRWXJ Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.5 C,D	2.0	mg/L	MCAWW 300.0A	03/30-03/31/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.39	0.10	mg/L	MCAWW 300.0A	03/30-03/31/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	6.0 D	0.20	mg/L	MCAWW 300.0A	03/30-03/31/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.27 N	0.020	mg/L	MCAWW 300.0A	03/30-03/31/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	31.1 D	5.0	mg/L	MCAWW 300.0A	03/30-03/31/07	7092136
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK69

General Chemistry

Lot-Sample #...: F7C280243-026 Work Order #...: JRWXQ Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	10.7 C,D	4.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.47	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	10 D	0.40	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	0.13 N	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	18.5	0.50	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK81

General Chemistry

Lot-Sample #...: F7C280243-028 Work Order #...: JRWXT Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.5 C,D	4.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.42	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	14.0 D	0.40	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	0.19 N	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	20.6 D	10.0	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MKB6

General Chemistry

Lot-Sample #...: F7C280243-030 Work Order #...: JRWX1 Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	4.8 C	0.20	mg/L	MCAWW 300.0A	03/30-03/31/07	7092134
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.41	0.10	mg/L	MCAWW 300.0A	03/30-03/31/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	2.0 D	0.20	mg/L	MCAWW 300.0A	03/30-03/31/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	03/30-03/31/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	14.2	0.50	mg/L	MCAWW 300.0A	03/30-03/31/07	7092136
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK59

General Chemistry

Lot-Sample #...: F7C280243-033 Work Order #...: JRWX8 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	4.9 C,N	0.20	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.47	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	1.4 D	0.20	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.066 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	13.8	0.50	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MJX6

General Chemistry

Lot-Sample #...: F7C280243-034 Work Order #...: JRW7G Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJX7

General Chemistry

Lot-Sample #...: F7C280243-035 **Work Order #...:** JRW7K **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJX8

General Chemistry

Lot-Sample #...: F7C280243-036 Work Order #...: JRW7L Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJX9

General Chemistry

Lot-Sample #...: F7C280243-037 Work Order #...: JRW7N Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MJY1

General Chemistry

Lot-Sample #...: F7C280243-039 Work Order #...: JRW7Q Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	19.6 C,DN	2.0	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.21	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	3.5 D	0.20	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.32 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	78.2 D	5.0	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MK22

General Chemistry

Lot-Sample #...: F7C280243-040 **Work Order #...:** JRW7R **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK23

General Chemistry

Lot-Sample #...: F7C280243-041 **Work Order #...:** JRW7V **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK24

General Chemistry

Lot-Sample #...: F7C280243-042 Work Order #...: JRW7X Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK25

General Chemistry

Lot-Sample #...: F7C280243-043 Work Order #...: JRW70 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089196

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK27

General Chemistry

Lot-Sample #...: F7C280243-045 Work Order #...: JRW75 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	21.6 C,DN	4.0	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.22	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	11.2 D	0.40	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	0.38 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	110 D	10.0	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MK76

General Chemistry

Lot-Sample #...: F7C280243-047 Work Order #...: JRW78 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	9.1 C,DN	2.0	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.41	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	5.8 D	0.20	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.14 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	20.5 D	5.0	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MKD0

General Chemistry

Lot-Sample #...: F7C280243-049 Work Order #...: JRW8E Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	2.0 C,N	0.20	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.56	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	0.58	0.020	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	12.4	0.50	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1ML08

General Chemistry

Lot-Sample #...: F7C280243-050 Work Order #...: JRW8F Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	19.0	5.0	ug/L	SW846 9020B	04/11/07	7108331
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML09

General Chemistry

Lot-Sample #...: F7C280243-051 Work Order #...: JRW8G Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	15.4	5.0	ug/L	SW846 9020B	04/11/07	7108331
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML10

General Chemistry

Lot-Sample #...: F7C280243-052 **Work Order #...:** JRW8P **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**14.3**	**5.0**	**ug/L**	**SW846 9020B**	**04/11/07**	**7108331**
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML11

General Chemistry

Lot-Sample #...: F7C280243-053 Work Order #...: JRW8Q Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	15.0	5.0	ug/L	SW846 9020B	04/11/07	7108331
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1ML15

General Chemistry

Lot-Sample #...: F7C280243-054 Work Order #...: JRW8T Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	110 C	5.0	mg/L	MCAWW 310.1	03/29/07	7088089
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML01

General Chemistry

Lot-Sample #...: F7C280243-056 Work Order #...: JRW9A Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.7 C,D	2.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088491
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.28	0.10	mg/L	MCAWW 300.0A	03/28/07	7088492
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	4.0 D	0.20	mg/L	MCAWW 300.0A	03/28-03/29/07	7088495
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.38 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088494
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	26.1 D	5.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088493
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1ML03

General Chemistry

Lot-Sample #...: F7C280243-057 **Work Order #...:** JRXAM **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	**108 C**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/29/07**	**7088089**
		Dilution Factor: 1		MDL.....: 0.85		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**46.0**	**5.0**	**ug/L**	**SW846 9020B**	**04/11/07**	**7108331**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

Pacific Northwest National Laboratory

Client Sample ID: B1MKM6

General Chemistry

Lot-Sample #...: F7C280243-059 Work Order #...: JRXA0 Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	41.6 C,DN	2.0	mg/L	MCAWW 300.0A	03/28/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.17	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	7.1 D	0.20	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	1.9 DN	0.20	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	194 D	5.0	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		
Total Cyanide	11.5	5.0	ug/L	SW846 9012	03/30/07	7089256
		Dilution Factor: 1		MDL.....: 2.4		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MK35

General Chemistry

Lot-Sample #...: F7C280243-060 **Work Order #...:** JRXA7 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK36

General Chemistry

Lot-Sample #...: F7C280243-061 **Work Order #...:** JRXCD **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK37

General Chemistry

Lot-Sample #...: F7C280243-062 **Work Order #...:** JRXCE **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK38

General Chemistry

Lot-Sample #...: F7C280243-063 **Work Order #...:** JRXCH **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197

Dilution Factor: 1 MDL.....: 0.76

Pacific Northwest National Laboratory

Client Sample ID: B1MK40

General Chemistry

Lot-Sample #...: F7C280243-065 Work Order #...: JRXCK Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	19.1 C,DN	2.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.23	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	8.3 D	0.20	mg/L	MCAWW 300.0A	03/28-03/29/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.36 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	97.5 D	5.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MKL6

General Chemistry

Lot-Sample #...: F7C280243-067 Work Order #...: JRXCR Matrix.....: WATER
Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	13.9 C,DN	2.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088486
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.24	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	6.1 D	0.20	mg/L	MCAWW 300.0A	03/28-03/29/07	7088490
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.17 N	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	90.6 D	5.0	mg/L	MCAWW 300.0A	03/28-03/29/07	7088488
		Dilution Factor: 10		MDL.....: 0.50		
Total Cyanide	ND	5.0	ug/L	SW846 9012	03/30/07	7089256
		Dilution Factor: 1		MDL.....: 2.4		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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: B1MJW9

General Chemistry

Lot-Sample #...: F7C280243-068 Work Order #...: JRXFL Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	19.7 C,D	2.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.25	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	5.0 D	0.20	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.39 N	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	112 D	5.0	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MFB5

General Chemistry

Lot-Sample #...: F7C280310-001 Work Order #...: JRXDG Matrix.....: WATER
Date Sampled...: 03/26/07 Date Received..: 03/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	20.5 C,D	2.0	mg/L	MCAWW 300.0A	03/30/07	7092134
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.32	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	5.9 D	0.20	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND D,N	0.20	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	51.5 D	5.0	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 10		MDL.....: 0.50		
Total Alkalinity	125 C	5.0	mg/L	MCAWW 310.1	03/29/07	7088089
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1ML23

General Chemistry

Lot-Sample #...: F7C290197-001 Work Order #...: JR04M Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	**123**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/04/07**	**7094155**
		Dilution Factor: 1		MDL.....: 0.85		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**3.0 B**	**5.0**	**ug/L**	**SW846 9020B**	**04/11/07**	**7108331**
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1ML21

General Chemistry

Lot-Sample #...: F7C290197-003 Work Order #...: JR047 Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	6.2 C,D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.28	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	2.5 DN	0.20	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	20.5 D	5.0	mg/L	MCAWW 300.0A	03/29/07	7089341
		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.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MKY7

General Chemistry

Lot-Sample #...: F7C290197-005 Work Order #...: JR05M Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	10.1 C,D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.29	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	4.8 DN	0.20	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.15 N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	21.2 D	5.0	mg/L	MCAWW 300.0A	03/29/07	7089341
		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.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MKY9

General Chemistry

Lot-Sample #...: F7C290197-006 **Work Order #...:** JR05T **Matrix.....:** WATER
Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity	**113**	**5.0**	**mg/L**	**MCAWW 310.1**	**04/04/07**	**7094155**
		Dilution Factor: 1		MDL.....: 0.85		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	04/11/07	7108331
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MK54

General Chemistry

Lot-Sample #...: F7C290197-008 Work Order #...: JR071 Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	4.0 C	0.20	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.52	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	2.6 DN	0.20	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.025 N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	15.8	0.50	mg/L	MCAWW 300.0A	03/29/07	7089341
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MKP5

General Chemistry

Lot-Sample #...: F7C290197-010 Work Order #...: JR079 Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	6.5 C,D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.40	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	12.7 DN	1.0	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	0.057 N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	18.2	0.50	mg/L	MCAWW 300.0A	03/29/07	7089341
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MK49

General Chemistry

Lot-Sample #...: F7C290197-012 Work Order #...: JR08F Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	6.5 C,D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.46	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	6.6 DN	0.20	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.071 N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	21.4 D	5.0	mg/L	MCAWW 300.0A	03/29/07	7089341
		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.

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1M8P0

General Chemistry

Lot-Sample #...: F7C290223-001 Work Order #...: JR1C5 Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	20.2 C,D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	3.4 D	1.0	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 10		MDL.....: 0.20		
Nitrite	ND D,N	0.20	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	44.3 DN	2.0	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 100		MDL.....: 0.40		
Sulfate	60.4 D	5.0	mg/L	MCAWW 300.0A	03/29/07	7089341
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MD36

General Chemistry

Lot-Sample #...: F7C290304-002 Work Order #...: JR116 Matrix.....: WATER
Date Sampled...: 03/28/07 Date Received..: 03/29/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	37.0 C,D	4.0	mg/L	MCAWW 300.0A	03/29/07	7089339
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	2.8 D	2.0	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 20		MDL.....: 0.40		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	0.081 N	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	1850 D	500	ug/L	MCAWW 365.2	03/31/07	7093256
		Dilution Factor: 10		MDL.....: 100		
Sulfate	9.8	0.50	mg/L	MCAWW 300.0A	03/29/07	7089341
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JR3J01AA		MB Lot-Sample #:	F7C290000-486	
	0.028 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**03/28/07**	**7088486**
		Dilution Factor: 1				
Chloride		Work Order #: JR3MV1AA		MB Lot-Sample #:	F7C290000-491	
	0.028 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**03/28/07**	**7088491**
		Dilution Factor: 1				
Chloride		Work Order #: JR4FP1AA		MB Lot-Sample #:	F7C300000-339	
	0.14 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**03/29/07**	**7089339**
		Dilution Factor: 1				
Chloride		Work Order #: JR6N91AA		MB Lot-Sample #:	F7D020000-134	
	0.14 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**03/30/07**	**7092134**
		Dilution Factor: 1				
Fluoride		Work Order #: JR3MF1AA		MB Lot-Sample #:	F7C290000-487	
	ND	0.10	mg/L	MCAWW 300.0A	03/28/07	7088487
		Dilution Factor: 1				
Fluoride		Work Order #: JR3M11AA		MB Lot-Sample #:	F7C290000-492	
	ND	0.10	mg/L	MCAWW 300.0A	03/28/07	7088492
		Dilution Factor: 1				
Fluoride		Work Order #: JR4FV1AA		MB Lot-Sample #:	F7C300000-340	
	ND	0.10	mg/L	MCAWW 300.0A	03/29/07	7089340
		Dilution Factor: 1				
Fluoride		Work Order #: JR6PC1AA		MB Lot-Sample #:	F7D020000-135	
	ND	0.10	mg/L	MCAWW 300.0A	03/30/07	7092135
		Dilution Factor: 1				
Nitrate		Work Order #: JR3MQ1AA		MB Lot-Sample #:	F7C290000-490	
	ND	0.020	mg/L	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 1				
Nitrate		Work Order #: JR3M71AA		MB Lot-Sample #:	F7C290000-495	
	ND	0.020	mg/L	MCAWW 300.0A	03/28/07	7088495
		Dilution Factor: 1				
Nitrate		Work Order #: JR4GF1AA		MB Lot-Sample #:	F7C300000-343	
	ND	0.020	mg/L	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		Work Order #: JR6PK1AA		MB Lot-Sample #:	F7D020000-138	
	ND	0.020	mg/L	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 1				
Nitrate		Work Order #: JR7091AA		MB Lot-Sample #:	F7D020000-220	
	ND	0.020	mg/L	MCAWW 300.0A	04/02/07	7092220
		Dilution Factor: 1				
Nitrite		Work Order #: JR3ML1AA		MB Lot-Sample #:	F7C290000-489	
	ND	0.020	mg/L	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1				
Nitrite		Work Order #: JR3M61AA		MB Lot-Sample #:	F7C290000-494	
	ND	0.020	mg/L	MCAWW 300.0A	03/28/07	7088494
		Dilution Factor: 1				
Nitrite		Work Order #: JR4F81AA		MB Lot-Sample #:	F7C300000-342	
	ND	0.020	mg/L	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1				
Nitrite		Work Order #: JR6PF1AA		MB Lot-Sample #:	F7D020000-137	
	ND	0.020	mg/L	MCAWW 300.0A	03/30/07	7092137
		Dilution Factor: 1				
Phosphate as P, Ortho		Work Order #: JR84L1AA		MB Lot-Sample #:	F7D030000-256	
	ND	50.0	ug/L	MCAWW 365.2	03/31/07	7093256
		Dilution Factor: 1				
Sulfate		Work Order #: JR3MJ1AA		MB Lot-Sample #:	F7C290000-488	
	ND	0.50	mg/L	MCAWW 300.0A	03/28/07	7088488
		Dilution Factor: 1				
Sulfate		Work Order #: JR3M31AA		MB Lot-Sample #:	F7C290000-493	
	ND	0.50	mg/L	MCAWW 300.0A	03/28/07	7088493
		Dilution Factor: 1				
Sulfate		Work Order #: JR4F01AA		MB Lot-Sample #:	F7C300000-341	
	ND	0.50	mg/L	MCAWW 300.0A	03/29/07	7089341
		Dilution Factor: 1				
Sulfate		Work Order #: JR6PD1AA		MB Lot-Sample #:	F7D020000-136	
	ND	0.50	mg/L	MCAWW 300.0A	03/30/07	7092136
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: JR0C41AA		MB Lot-Sample #:	F7C290000-089	
	2.0 B	**5.0**	**mg/L**	**MCAWW 310.1**	**03/29/07**	**7088089**
		Dilution Factor: 1				
Total Alkalinity		Work Order #: JTAM41AA		MB Lot-Sample #:	F7D040000-155	
	ND	5.0	mg/L	MCAWW 310.1	04/04/07	7094155
		Dilution Factor: 1				
Total Cyanide		Work Order #: JR3XE1AA		MB Lot-Sample #:	F7C300000-256	
	ND	5.0	ug/L	SW846 9012	03/30/07	7089256
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JR3GL1AA		MB Lot-Sample #:	F7C300000-196	
	ND	1.0	mg/L	SW846 9060	03/30/07	7089196
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JR3GT1AA		MB Lot-Sample #:	F7C300000-197	
	ND	1.0	mg/L	SW846 9060	03/31/07	7089197
		Dilution Factor: 1				
TOX		Work Order #: JT52R1AA		MB Lot-Sample #:	F7D180000-331	
	ND	5.0	ug/L	SW846 9020B	04/11/07	7108331
		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 #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#:JR3J01AC-LCS/JR3J01AD-LCSD			LCS Lot-Sample#: F7C290000-486		
	2.00	1.93	mg/L	96		MCAWW 300.0A	03/28/07	7088486
	2.00	1.97	mg/L	99	2.3	MCAWW 300.0A	03/28/07	7088486
			Dilution Factor: 1					
Chloride			WO#:JR3MV1AC-LCS/JR3MV1AD-LCSD			LCS Lot-Sample#: F7C290000-491		
	2.00	1.93	mg/L	96		MCAWW 300.0A	03/28/07	7088491
	2.00	1.97	mg/L	99	2.3	MCAWW 300.0A	03/28/07	7088491
			Dilution Factor: 1					
Chloride			WO#:JR4FP1AC-LCS/JR4FP1AD-LCSD			LCS Lot-Sample#: F7C300000-339		
	2.00	1.95	mg/L	98		MCAWW 300.0A	03/29/07	7089339
	2.00	1.92	mg/L	96	1.6	MCAWW 300.0A	03/29/07	7089339
			Dilution Factor: 1					
Chloride			WO#:JR6N91AC-LCS/JR6N91AD-LCSD			LCS Lot-Sample#: F7D020000-134		
	2.00	1.94	mg/L	97		MCAWW 300.0A	03/30/07	7092134
	2.00	1.89	mg/L	94	2.9	MCAWW 300.0A	03/30/07	7092134
			Dilution Factor: 1					
Fluoride			WO#:JR3MF1AC-LCS/JR3MF1AD-LCSD			LCS Lot-Sample#: F7C290000-487		
	1.00	0.970	mg/L	97		MCAWW 300.0A	03/28/07	7088487
	1.00	0.974	mg/L	97	0.40	MCAWW 300.0A	03/28/07	7088487
			Dilution Factor: 1					
Fluoride			WO#:JR3M11AC-LCS/JR3M11AD-LCSD			LCS Lot-Sample#: F7C290000-492		
	1.00	0.970	mg/L	97		MCAWW 300.0A	03/28/07	7088492
	1.00	0.974	mg/L	97	0.40	MCAWW 300.0A	03/28/07	7088492
			Dilution Factor: 1					
Fluoride			WO#:JR4FV1AC-LCS/JR4FV1AD-LCSD			LCS Lot-Sample#: F7C300000-340		
	1.00	0.944	mg/L	94		MCAWW 300.0A	03/29/07	7089340
	1.00	0.929	mg/L	93	1.7	MCAWW 300.0A	03/29/07	7089340
			Dilution Factor: 1					
Fluoride			WO#:JR6PC1AC-LCS/JR6PC1AD-LCSD			LCS Lot-Sample#: F7D020000-135		
	1.00	0.994	mg/L	99		MCAWW 300.0A	03/30/07	7092135
	1.00	0.950	mg/L	95	4.5	MCAWW 300.0A	03/30/07	7092135
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:JR3MQ1AC-LCS/JR3MQ1AD-LCSD LCS Lot-Sample#: F7C290000-490						
	0.400	0.387	mg/L	97		MCAWW 300.0A	03/28/07	7088490
	0.400	0.400	mg/L	100	3.3	MCAWW 300.0A	03/28/07	7088490
		Dilution Factor: 1						
Nitrate		WO#:JR3M71AC-LCS/JR3M71AD-LCSD LCS Lot-Sample#: F7C290000-495						
	0.400	0.387	mg/L	97		MCAWW 300.0A	03/28/07	7088495
	0.400	0.400	mg/L	100	3.3	MCAWW 300.0A	03/28/07	7088495
		Dilution Factor: 1						
Nitrate		WO#:JR4GF1AC-LCS/JR4GF1AD-LCSD LCS Lot-Sample#: F7C300000-343						
	0.400	0.408	mg/L	102		MCAWW 300.0A	03/29/07	7089343
	0.400	0.401	mg/L	100	1.5	MCAWW 300.0A	03/29/07	7089343
		Dilution Factor: 1						
Nitrate		WO#:JR6PK1AC-LCS/JR6PK1AD-LCSD LCS Lot-Sample#: F7D020000-138						
	0.400	0.401	mg/L	100		MCAWW 300.0A	03/30/07	7092138
	0.400	0.399	mg/L	100	0.67	MCAWW 300.0A	03/30/07	7092138
		Dilution Factor: 1						
Nitrate		WO#:JR7091AC-LCS/JR7091AD-LCSD LCS Lot-Sample#: F7D020000-220						
	0.400	0.394	mg/L	98		MCAWW 300.0A	04/02/07	7092220
	0.400	0.403	mg/L	101	2.3	MCAWW 300.0A	04/02/07	7092220
		Dilution Factor: 1						
Nitrite		WO#:JR3ML1AC-LCS/JR3ML1AD-LCSD LCS Lot-Sample#: F7C290000-489						
	0.160	0.161	mg/L	101		MCAWW 300.0A	03/28/07	7088489
	0.160	0.162	mg/L	101	0.75	MCAWW 300.0A	03/28/07	7088489
		Dilution Factor: 1						
Nitrite		WO#:JR3M61AC-LCS/JR3M61AD-LCSD LCS Lot-Sample#: F7C290000-494						
	0.160	0.161	mg/L	101		MCAWW 300.0A	03/28/07	7088494
	0.160	0.162	mg/L	101	0.75	MCAWW 300.0A	03/28/07	7088494
		Dilution Factor: 1						
Nitrite		WO#:JR4F81AC-LCS/JR4F81AD-LCSD LCS Lot-Sample#: F7C300000-342						
	0.160	0.153	mg/L	95		MCAWW 300.0A	03/29/07	7089342
	0.160	0.154	mg/L	97	1.2	MCAWW 300.0A	03/29/07	7089342
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite			WO#:JR6PF1AC-LCS/JR6PF1AD-LCSD			LCS Lot-Sample#: F7D020000-137		
	0.160	0.154	mg/L	96		MCAWW 300.0A	03/30/07	7092137
	0.160	0.147	mg/L	92	4.1	MCAWW 300.0A	03/30/07	7092137
			Dilution Factor: 1					
Sulfate			WO#:JR3MJ1AC-LCS/JR3MJ1AD-LCSD			LCS Lot-Sample#: F7C290000-488		
	8.00	7.39	mg/L	92		MCAWW 300.0A	03/28/07	7088488
	8.00	7.24	mg/L	90	2.1	MCAWW 300.0A	03/28/07	7088488
			Dilution Factor: 1					
Sulfate			WO#:JR3M31AC-LCS/JR3M31AD-LCSD			LCS Lot-Sample#: F7C290000-493		
	8.00	7.39	mg/L	92		MCAWW 300.0A	03/28/07	7088493
	8.00	7.24	mg/L	90	2.1	MCAWW 300.0A	03/28/07	7088493
			Dilution Factor: 1					
Sulfate			WO#:JR4F01AC-LCS/JR4F01AD-LCSD			LCS Lot-Sample#: F7C300000-341		
	8.00	7.50	mg/L	94		MCAWW 300.0A	03/29/07	7089341
	8.00	7.38	mg/L	92	1.5	MCAWW 300.0A	03/29/07	7089341
			Dilution Factor: 1					
Sulfate			WO#:JR6PD1AC-LCS/JR6PD1AD-LCSD			LCS Lot-Sample#: F7D020000-136		
	8.00	7.49	mg/L	94		MCAWW 300.0A	03/30/07	7092136
	8.00	7.62	mg/L	95	1.6	MCAWW 300.0A	03/30/07	7092136
			Dilution Factor: 1					
Total Alkalinity			WO#:JR0C41AC-LCS/JR0C41AD-LCSD			LCS Lot-Sample#: F7C290000-089		
	200	198	mg/L	99		MCAWW 310.1	03/29/07	7088089
	200	197	mg/L	98	0.50	MCAWW 310.1	03/29/07	7088089
			Dilution Factor: 1					
Total Alkalinity			WO#:JTAM41AC-LCS/JTAM41AD-LCSD			LCS Lot-Sample#: F7D040000-155		
	200	200	mg/L	100		MCAWW 310.1	04/04/07	7094155
	200	199	mg/L	100	0.50	MCAWW 310.1	04/04/07	7094155
			Dilution Factor: 1					
Total Organic Carbon			WO#:JR3GL1AC-LCS/JR3GL1AD-LCSD			LCS Lot-Sample#: F7C300000-196		
	6.00	5.63	mg/L	94		SW846 9060	03/30/07	7089196
	6.00	5.72	mg/L	95	1.6	SW846 9060	03/30/07	7089196
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL679 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:JR3GT1AC-LCS/JR3GT1AD-LCSD				LCS Lot-Sample#: F7C300000-197		
	6.00	5.86	mg/L	98		SW846 9060	03/31/07	7089197
	6.00	5.85	mg/L	98	0.18	SW846 9060	03/31/07	7089197

Dilution Factor: 1

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho			Work Order #: JR84L1AC		LCS Lot-Sample#: F7D030000-256		
	300	303	ug/L	101	MCAWW 365.2	03/31/07	7093256
			Dilution Factor: 1				
Total Cyanide			Work Order #: JR3XE1AC		LCS Lot-Sample#: F7C300000-256		
	200	195	ug/L	97	SW846 9012	03/30/07	7089256
			Dilution Factor: 1				
Total Cyanide			Work Order #: JR3XE1AD		LCS Lot-Sample#: F7C300000-256		
	400	410	ug/L	103	SW846 9012	03/30/07	7089256
			Dilution Factor: 1				
TOX			Work Order #: JT52R1AC		LCS Lot-Sample#: F7D180000-331		
	100	99.6	ug/L	100	SW846 9020B	04/11/07	7108331
			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 #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		JRWT61AM		MS Lot-Sample #:	F7C280243-002
	17.2	20.0	40.4 N,D	mg/L	116	MCAWW 300.0A	03/28/07	7088486
			Dilution Factor: 10					
Chloride			Work Order #...:		JRW9A1AK		MS Lot-Sample #:	F7C280243-056
	17.7	20.0	39.4 D	mg/L	109	MCAWW 300.0A	03/28-03/29/07	7088491
			Dilution Factor: 10					
Chloride			Work Order #...:		JRXHQ1AH		MS Lot-Sample #:	F7C280330-001
	1.4	2.00	3.32	mg/L	95	MCAWW 300.0A	03/30/07	7092134
			Dilution Factor: 1					
Chloride			Work Order #...:		JR1161AJ		MS Lot-Sample #:	F7C290304-002
	37.0	40.0	81.1 D	mg/L	110	MCAWW 300.0A	03/29/07	7089339
			Dilution Factor: 20					
Fluoride			Work Order #...:		JRWT61AN		MS Lot-Sample #:	F7C280243-002
	0.29	2.00	2.18	mg/L	95	MCAWW 300.0A	03/28/07	7088487
			Dilution Factor: 1					
Fluoride			Work Order #...:		JRW9A1AM		MS Lot-Sample #:	F7C280243-056
	0.28	2.00	2.41	mg/L	106	MCAWW 300.0A	03/28/07	7088492
			Dilution Factor: 1					
Fluoride			Work Order #...:		JRXHQ1AK		MS Lot-Sample #:	F7C280330-001
	0.052	2.00	2.06	mg/L	100	MCAWW 300.0A	03/30/07	7092135
			Dilution Factor: 1					
Fluoride			Work Order #...:		JR1161AK		MS Lot-Sample #:	F7C290304-002
	2.8	40.0	42.7 D	mg/L	100	MCAWW 300.0A	03/29/07	7089340
			Dilution Factor: 20					
Nitrate			Work Order #...:		JRWT61AR		MS Lot-Sample #:	F7C280243-002
	5.5	4.00	9.72 D	mg/L	106	MCAWW 300.0A	03/28/07	7088490
			Dilution Factor: 10					
Nitrate			Work Order #...:		JRW9A1AU		MS Lot-Sample #:	F7C280243-056
	4.0	4.00	7.89 D	mg/L	98	MCAWW 300.0A	03/28-03/29/07	7088495
			Dilution Factor: 10					
Nitrate			Work Order #...:		JRXHQ1AR		MS Lot-Sample #:	F7C280330-001
	0.15	0.400	0.559	mg/L	102	MCAWW 300.0A	03/30/07	7092138
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			Work Order #...:		JR1161AN	MS Lot-Sample #:		F7C290304-002
	ND	0.400	0.492 N	mg/L	123	MCAWW 300.0A	03/29/07	7089343
			Dilution Factor: 1					
Nitrite			Work Order #...:		JRWT61AQ	MS Lot-Sample #:		F7C280243-002
	0.34	0.100	0.619 N	mg/L	275	MCAWW 300.0A	03/28/07	7088489
			Dilution Factor: 1					
Nitrite			Work Order #...:		JRW9A1AR	MS Lot-Sample #:		F7C280243-056
	0.38	0.100	0.672 N	mg/L	295	MCAWW 300.0A	03/28/07	7088494
			Dilution Factor: 1					
Nitrite			Work Order #...:		JRXHQ1AP	MS Lot-Sample #:		F7C280330-001
	ND	0.100	0.186 N	mg/L	186	MCAWW 300.0A	03/30/07	7092137
			Dilution Factor: 1					
Nitrite			Work Order #...:		JR1161AM	MS Lot-Sample #:		F7C290304-002
	0.081	0.100	1.11 N	mg/L	1030	MCAWW 300.0A	03/29/07	7089342
			Dilution Factor: 1					
Phosphate as P, Ortho			Work Order #...:		JR1161A0	MS Lot-Sample #:		F7C290304-002
	1850	2000	3710 D	ug/L	93	MCAWW 365.2	03/31/07	7093256
			Dilution Factor: 10					
Sulfate			Work Order #...:		JRWT61AP	MS Lot-Sample #:		F7C280243-002
	40.5	40.0	78.4 D	mg/L	95	MCAWW 300.0A	03/28/07	7088488
			Dilution Factor: 10					
Sulfate			Work Order #...:		JRW9A1AP	MS Lot-Sample #:		F7C280243-056
	26.1	40.0	62.7 D	mg/L	92	MCAWW 300.0A	03/28-03/29/07	7088493
			Dilution Factor: 10					
Sulfate			Work Order #...:		JRXHQ1AM	MS Lot-Sample #:		F7C280330-001
	9.8	4.00	13.4	mg/L	91	MCAWW 300.0A	03/30/07	7092136
			Dilution Factor: 1					
Sulfate			Work Order #...:		JR1161AL	MS Lot-Sample #:		F7C290304-002
	9.8	4.00	13.9	mg/L	103	MCAWW 300.0A	03/29/07	7089341
			Dilution Factor: 1					
Total Alkalinity			Work Order #...:		JRW8T1AE	MS Lot-Sample #:		F7C280243-054
	110	100	209	mg/L	99	MCAWW 310.1	03/29/07	7088089
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL679 **Matrix.....:** WATER
Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity			Work Order #...:		JR04M1AE		MS Lot-Sample #:	F7C290197-001
	123	100	220	mg/L	97	MCAWW 310.1	04/04/07	7094155
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		JRXA01AJ		MS Lot-Sample #:	F7C280243-059
	11.5	200	201	ug/L	95	SW846 9012	03/30/07	7089256
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JRWVQ1AC		MS Lot-Sample #:	F7C280243-004
	ND	5.00	5.87	mg/L	117	SW846 9060	03/30/07	7089196
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JRW8F1AD		MS Lot-Sample #:	F7C280243-050
	ND	5.00	5.59	mg/L	112	SW846 9060	03/31/07	7089197
			Dilution Factor: 1					
TOX			Work Order #...:		JRW8F1AE		MS Lot-Sample #:	F7C280243-050
	19.0	100	112	ug/L	93	SW846 9020B	04/11/07	7108331
			Dilution Factor: 1					
TOX			Work Order #...:		JTDQJ1AD		MS Lot-Sample #:	F7D050112-006
	ND	100	100	ug/L	99	SW846 9020B	04/11-04/18/07	7108331
			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 #...: F7C280243 **Work Order #...:** JRJT2-SMP JRJT2-DUP **Matrix.....:** WATER

Date Sampled...: 03/21/07 **Date Received..:** 03/22/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7C220227-001	
	110 C	108 C	mg/L	1.8	(0-20)	MCAWW 310.1	03/29/07	7088089

Dilution Factor: 1

NOTE(S):

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

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 Work Order #...: JRW8T-SMP JRW8T-DUP Matrix.....: WATER

Date Sampled...: 03/27/07 Date Received..: 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7C280243-054	
	110 C	111 C	mg/L	0.90	(0-20)	MCAWW 310.1	03/29/07	7088089

Dilution Factor: 1

NOTE(S):

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

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JRWT6-SMP JRWT6-DUP **Matrix.....:** WATER

Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7C280243-002	
	17.2 C,DN	17.1 DCN	mg/L	0.69	(0-20)	MCAWW 300.0A	03/28/07	7088486
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7C280243-002	
	0.29	0.25	mg/L	13	(0-20)	MCAWW 300.0A	03/28/07	7088487
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7C280243-002	
	40.5 D	39.2 D	mg/L	3.3	(0-20)	MCAWW 300.0A	03/28/07	7088488
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7C280243-002	
	0.34 N	0.29 N	mg/L	16	(0-20)	MCAWW 300.0A	03/28/07	7088489
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7C280243-002	
	5.5 D	5.4 D	mg/L	0.38	(0-20)	MCAWW 300.0A	03/28/07	7088490
			Dilution Factor: 10					

NOTE(S):

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

DCN Result from dilution; analyted detected in blank; spike recovery outside limits.

C Analyte detected in method blank above the MDL/IDL.

DN Result obtained from dilution; spike sample recovery outside control limits.

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 #...: F7C280243 **Work Order #...:** JRW9A-SMP JRW9A-DUP **Matrix.....:** WATER

Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7C280243-056	
	17.7 C,D	17.7 DC	mg/L	0.21	(0-20)	MCAWW 300.0A	03/28-03/29/07	7088491
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7C280243-056	
	0.28	0.28	mg/L	0.47	(0-20)	MCAWW 300.0A	03/28/07	7088492
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7C280243-056	
	26.1 D	26.6 D	mg/L	2.2	(0-20)	MCAWW 300.0A	03/28-03/29/07	7088493
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7C280243-056	
	0.38 N	0.50 N	mg/L	28	(0-20)	MCAWW 300.0A	03/28/07	7088494
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7C280243-056	
	4.0 D	4.0 D	mg/L	0.26	(0-20)	MCAWW 300.0A	03/28-03/29/07	7088495
			Dilution Factor: 10					

NOTE(S):

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

DC Result obtained from dilution; Analyte deteced in method blank above MDL/IDL.

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JRWVQ-SMP JRWVQ-DUP **Matrix.....:** WATER

Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7C280243-004	
	ND	ND	mg/L	0	(0-20)	SW846 9060	03/30/07	7089196

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JRW8F-SMP JRW8F-DUP **Matrix.....:** WATER

Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7C280243-050	
	ND	ND	mg/L	0	(0-20)	SW846 9060	03/31/07	7089197
			Dilution Factor: 1					
TOX						SD Lot-Sample #:	F7C280243-050	
	19.0	15.7	ug/L	19	(0-20)	SW846 9020B	04/11/07	7108331
			Dilution Factor: 1					

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JRXA0-SMP JRXA0-DUP **Matrix.....:** WATER

Date Sampled...: 03/27/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #:	F7C280243-059	
	11.5	9.1	ug/L	23	(0-20)	SW846 9012	03/30/07	7089256

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JR116-SMP JR116-DUP **Matrix.....:** WATER

Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7C290304-002	
	37.0 C,D	36.7 DC	mg/L	0.82	(0-20)	MCAWW 300.0A	03/29/07	7089339
			Dilution Factor: 20					
Fluoride						SD Lot-Sample #:	F7C290304-002	
	2.8 D	2.3 D	mg/L	22	(0-20)	MCAWW 300.0A	03/29/07	7089340
			Dilution Factor: 20					
Sulfate						SD Lot-Sample #:	F7C290304-002	
	9.8	11.7	mg/L	18	(0-20)	MCAWW 300.0A	03/29/07	7089341
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7C290304-002	
	0.081 N	0.65 N	mg/L	156	(0-20)	MCAWW 300.0A	03/29/07	7089342
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7C290304-002	
	ND N JW 05-17-07	0.15 N	mg/L	200	(0-20)	MCAWW 300.0A	03/29/07	7089343
			Dilution Factor: 1					
Phosphate as P, Ortho						SD Lot-Sample #:	F7C290304-002	
	1850 D	1820 D	ug/L	1.4	(0-20)	MCAWW 365.2	03/31/07	7093256
			Dilution Factor: 10					

NOTE(S):

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

DC Result obtained from dilution; Analyte deteced in method blank above MDL/IDL.

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JRXHQ-SMP JRXHQ-DUP **Matrix.....:** WATER

Date Sampled...: 03/26/07 **Date Received..:** 03/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7C280330-001	
	1.4 C	1.3 C	mg/L	6.9	(0-20)	MCAWW 300.0A	03/30/07	7092134
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7C280330-001	
	0.052 B	0.062 B	mg/L	16	(0-20)	MCAWW 300.0A	03/30/07	7092135
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7C280330-001	
	9.8	9.4	mg/L	3.7	(0-20)	MCAWW 300.0A	03/30/07	7092136
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7C280330-001	
	ND N JW 05-17-07	ND N	mg/L	0	(0-20)	MCAWW 300.0A	03/30/07	7092137
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7C280330-001	
	0.15	0.15	mg/L	1.7	(0-20)	MCAWW 300.0A	03/30/07	7092138
			Dilution Factor: 1					

NOTE(S):

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

C The analyte was detected in the associated method blank above the IDL/MDL

C Analyte detected in method blank above the MDL/IDL.

B Estimated result. Result is less than RL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JR04M-SMP JR04M-DUP **Matrix.....:** WATER

Date Sampled...: 03/28/07 **Date Received..:** 03/29/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7C290197-001	
	123	127	mg/L	3.2	(0-20)	MCAWW 310.1	04/04/07	7094155

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7C280243 **Work Order #...:** JTDQJ-SMP JTDQJ-DUP **Matrix.....:** WATER

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

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7D050112-006	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	04/11/07	7108331

Dilution Factor: 1