0077816

SEVERN TRENT STL

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

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

RECORD COPY
PROJ. 52494
CAT. T3.1
WORKING COPY

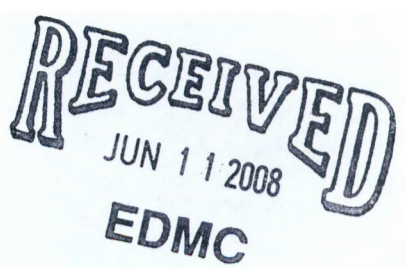
ANALYTICAL REPORT

W07-005

Lot #: F7E090256
SDG #: SL692

Dot Stewart

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



SEVERN TRENT LABORATORIES, INC.

James M. Kleyn
for
Brian O'Donnell
Project Manager

156 pp

Rec 6/1/07

May 31, 2007

SEVERN TRENT STL

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

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

CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
May 31, 2007
Attention: Dot Stewart

SDG	:	SL692
Number of Samples	:	41
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	May 23, 2007

II. Introduction

Between May 9, 2007 and May 15, 2007, forty-one (41) 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

SEVERN TRENT STL

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

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

V. Comments

General

The following SAFs are associated with this SDG: W07-005, S07-005, I07-027.

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

Volatiles

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

The MS/MSD was not analyzed due to a power interruption to the instrument.
Batch:
7137229
Affected Samples:
F7E100283 (10): B1N5P3

The LCS recovery for 1-Butanol is above the upper established QC limit. The RPD is also outside the QC limit. This compound was not detected above the reporting limit in the associated samples or is not reported from this batch.

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 recoveries.
Batch:
7138204
Affected Samples:
F7E100317 (1): B1N419

Due to suspected carryover in the original analysis (batch 7144497), the associated sample was reanalyzed. Only the results of the reanalysis are reported. The MS/MSD performed in the reanalysis batch was on another client's sample. Only the LCS is reported.

For the straight analysis, the associated sample's surrogate recovery for DBFM is outside established QC limits. This excursion is attributed to a matrix interference which is physically evident in the sample. The sample has high levels of Carbon Tetrachloride which co-elutes with the DBFM and as a result the surrogate recovery is below the acceptable QC limit. The sample was diluted for Carbon Tetrachloride and the DBFM recovery is within acceptable limits.

SEVERN TRENT STL

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

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

The sample was analyzed at dilution due to high concentrations of target analyte (Carbon Tetrachloride). The reporting limits have been adjusted only for those targets reported from the dilution run.
Batch:
7149197
Affected Samples:
F7E150160 (1): B1M723

The LCS/LCSD RPD for one compound is not within method acceptance criteria. LCS/LCSD recoveries acceptable.

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 recoveries. Te RPDs for two compounds are outside of the QC limits. Their recoveries are within the QC limits.
Batch:
7144497
Affected Samples:
F7E150162 (1): B1N420

ICP Metals

Batch: 7130360
The MS recovery for Calcium is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F7E090256 (1): B1N4X4
F7E090256 (3): B1N513
F7E090256 (5): B1N555
F7E090256 (7): B1N4Y9
F7E090256 (9): B1N504
F7E090256 (11): B1N508
F7E090256 (13): B1N518
F7E090256 (15): B1N543
F7E090256 (17): B1N548

Batch: 7134291
The MS/MSD recoveries for Sodium are outside the established QC limits. The analyte concentration in the original sample is greater than four times the amount spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery.

The LCS recovery for Iron is outside the upper QC limit, indicating a potential positive bias for this analyte. This analyte was not observed above the reporting limit in the associated sample; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F7E100283 (1): B1N5J1
F7E100283 (3): B1N5H1
F7E100283 (11): B1N5C2
F7E100283 (13): B1N5B7

SEVERN TRENT STL

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

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

Affected Samples (continued):

F7E100283 (5): B1N5H6
F7E100283 (7): B1N5C7
F7E100283 (9): B1N5P2
F7E100283 (15): B1N5L6
F7E100283 (17): B1N576
F7E100283 (19): B1N580

Ion Chromatography

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride in batch 7130190 and Nitrite in batch 7130192 is attributed to matrix interference.

Affected Samples:

F7E090256 (2): B1N4X5
F7E090256 (4): B1N514
F7E090256 (6): B1N556
F7E090256 (8): B1N500
F7E090256 (10): B1N505
F7E090256 (12): B1N509
F7E090256 (14): B1N519
F7E090256 (16): B1N544
F7E090256 (18): B1N549

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride in batch 7131056, Sulfate in batch 7131057 and Nitrite in batch 7131058 is attributed to matrix interference.

Affected Samples:

F7E100283 (2): B1N5J2
F7E100283 (4): B1N5H2
F7E100283 (6): B1N5H7
F7E100283 (8): B1N5C8
F7E100283 (10): B1N5P3
F7E100283 (12): B1N5C3
F7E100283 (14): B1N5B8
F7E100283 (16): B1N5L7
F7E100283 (18): B1N577
F7E100283 (20): B1N581

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

Ammonia
Chemical Oxygen Demand
ICP-MS Metals
Total Organic Carbon

SEVERN TRENT STL

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

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

Pacific Northwest National Laboratories
May 31, 2007
SDG: SL692

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:

Jan M. Klyus
for
Brian O'Donnell
St. Louis Project Manager

METHODS SUMMARY

SL692

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
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	
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Organic Carbon	SW846 9060	SW846 9060
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

SL692 : F7E090256

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JWKWF	001	B1N4X4	05/08/07	13:15
JWKWR	002	B1N4X5	05/08/07	13:15
JWKW8	003	B1N513	05/08/07	09:11
JWKXG	004	B1N514	05/08/07	09:11
JWKXL	005	B1N555	05/08/07	10:52
JWKXP	006	B1N556	05/08/07	10:52
JWKXR	007	B1N4Y9	05/08/07	11:52
JWKXX	008	B1N500	05/08/07	11:52
JWKX5	009	B1N504	05/08/07	09:47
JWKX7	010	B1N505	05/08/07	09:47
JWKX9	011	B1N508	05/08/07	07:30
JWK0C	012	B1N509	05/08/07	07:30
JWK0E	013	B1N518	05/08/07	09:26
JWK0G	014	B1N519	05/08/07	09:26
JWK0J	015	B1N543	05/08/07	08:40
JWK0M	016	B1N544	05/08/07	08:40
JWK0P	017	B1N548	05/08/07	10:23
JWK0V	018	B1N549	05/08/07	10:23

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

SL692 : F7E100283

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JWN0R	001	B1N5J1	05/09/07	12:21
JWN0W	002	B1N5J2	05/09/07	12:21
JWN01	003	B1N5H1	05/09/07	09:54
JWN03	004	B1N5H2	05/09/07	09:54
JWN1G	005	B1N5H6	05/09/07	11:26
JWN1N	006	B1N5H7	05/09/07	11:26
JWN1V	007	B1N5C7	05/09/07	13:23
JWN2E	008	B1N5C8	05/09/07	13:23
JWN2H	009	B1N5P2	05/09/07	08:33
JWN3E	010	B1N5P3	05/09/07	08:33
JWN53	011	B1N5C2	05/09/07	10:36
JWN59	012	B1N5C3	05/09/07	10:36
JWN6G	013	B1N5B7	05/09/07	12:29
JWN6M	014	B1N5B8	05/09/07	12:29
JWN6T	015	B1N5L6	05/09/07	13:32
JWN60	016	B1N5L7	05/09/07	13:32
JWN65	017	B1N576	05/09/07	10:44
JWN7C	018	B1N577	05/09/07	10:44
JWN7G	019	B1N580	05/09/07	10:44
JWN7Q	020	B1N581	05/09/07	10:44

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

SL692 : F7E100317

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JWPC8	001	B1N419	05/09/07	08:33

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

SL692 : F7E150160

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JW0PQ	001	B1M723	05/14/07	13:18

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

SL692 : F7E150162

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JW0QF	001	B1N420	05/14/07	13:18

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 ST1692

STL ST. LOUIS

PNNL 5692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-276

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA MAY 2007	HNF-N-506 7	Ice Chest No. CRUO 06-04 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7981 7017 9935
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N4X4 (F)		W	5-8-07	1315	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N4X5		W	↓	↓	1x20-mL P	Activity Scan	None
B1N4X5		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 [signature]	MAY 08 2007 1420	FED EX	
FEDEX		B-M	5/9/07 0900

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

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

PNNL 54692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-316

Page 1 of 1

Collector: Fluor Hanford F.M. HALL	Contact/Requester: Dot Stewart	Telephone No. / MSIN / FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	HNF-N-506 7	Ice Chest No.: Blue 06-04 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 7017 8935
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 samples submitted under A, G, I, S, and W 07 SAPs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N513 (F)		W	5-8-07	0911	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N514		W			1x20-mL P	Activity Scan	None
B1N514		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By: Print Fluor Hanford F.M. HALL Sign [signature] Date/Time 1400 MAY 08 2007	Received By: Print Sign FED EX Date/Time	Matrix *	
Relinquished By: FED EX Date/Time	Received By: B-A-L Date/Time 5/9/07 0900	S = Soil; SE = Sediment; SO = Solid; SL = Sludge; W = Water; O = Oil; A = Air; DS = Drum Solid; DL = Drum Liquid; T = Tissue; WI = Wipe; L = Liquid; V = Vegetation; X = Other	
Relinquished By: Date/Time	Received By: Date/Time		
Relinquished By: Date/Time	Received By: Date/Time		
FINAL SAMPLE DISPOSITION: Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time	

SDG STL

STL ST. LOUIS

4 of 56

SDG: SL692

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-352

Page 1 of 1

Collector: Fluor Hanford F.M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	HNF-N-506 7	Ice Chest No.: PNNO 06-04 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981 7017 9935
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N555 (F)		W	5-8-07	1052	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N556		W	1	1	1x20-mL P	Activity Scan	None
B1N556		W	1	1	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		MAY 08 2007 1420	KEO EL		
Relinquished By	FEDEX	Date/Time	Received By		Date/Time 5/9/07 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 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

STL ST. LOUIS

5 8 11 56

SDG STL96

PNNL 84692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-300

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056	MSIN:	FAX:
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: LW.5/8/07		
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAWS102	Temp.	
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 8286 4567		
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N4Y9 (F)		W	5/8/07	1152	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N500		W	↓	↓	1x20-mL P	Activity Scan	None
B1N500		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By: Fluor Hanford R. T. SICKLE — Print — Sign — Date/Time: MAY 08 2007 1430	Received By: FEDEX — Print — Sign — Date/Time	Matrix *	
Relinquished By: FEDEX — Date/Time	Received By: B-M — Date/Time: 5/9/07 0900	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air	DS = Drum Solid, DL = Drum Liquid, T = Tissue, WI = Wipe, L = Liquid, V = Vegetation, X = Other
Relinquished By — Date/Time	Received By — Date/Time		
Relinquished By — Date/Time	Received By — Date/Time		

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

STL ST. LOUIS

56

SDG STL 5692

PNNL 5C692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-308

Page 1 of 1

Collector Fluor Hanford D. E. PARCHEN	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX
SAF No. W07-005	Sampling Origin Hanford Site	Purchase Order/Charge Code	
Project Title RCRA, MAY 2007	HNF-N-506-8	Ice Chest No. SHWS 10	Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7929 8286 4567	
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N504 (F)		W	5-8-07	0947	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N505		W	"	"	1x20-mL P	Activity Scan	None
B1N505		W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford D. E. PARCHEN	[signature]	MAY 08 2007 1430	FedEX		
FEDEX			B-M		5/9/07 0900

Matrix *

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

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

STL ST. LOUIS

SDG: SL692

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-309

Page 1 of 1

Collector: Fluor Hanford D. E. PARCHEN	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	HWF-N-506-8	Ice Chest No. SAMS-10 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7929 8286 4587
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N508 (F)		W	5-8-07	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N509		W	"	"	1x20-mL P	Activity Scan	None
B1N509		W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By: Fluor Hanford D. E. PARCHEN	Print	Sign	Date/Time: MAY 08 2007 1430	Received By: FedEx	Print Sign	Date/Time
Relinquished By: FEDEX			Date/Time	Received By: B-Neal		Date/Time: 5/9/07 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 = 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

STL ST. LOUIS

PNNL 54692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-324

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: 2W.5/8/07
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAWS107 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 8286 4567
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N518 (F)		W	5/8/07	0926	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N519		W	↓	↓	1x20-mL P	Activity Scan	None
B1N519		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

P. Wall 5/8/07

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	Fluor Hanford R. T. SICKLE		MAY 0 8 2007 1430	Received By	FEDEX		
Relinquished By	FEDEX		Date/Time	Received By			5/9/07 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 Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

SDG 56

STL ST. LOUIS

SDG 51692 STL

PNNL 51692 Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-332

Page 1 of 1

Collector: R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056	MSIN:	FAX:
AAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: LW. 5/8/07		
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAMS 102	Temp.	
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 8286 4567		
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 samples submitted under A, G, I, S, and W 07 SAPs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N543 (F)		W	5/8/07	0840	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N544		W	↓	↓	1x20-mL P	Activity Scan	None
B1N544		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

LW 1200 5/8/07

Relinquished By: Fluor Hanford R. T. SICKLE — Print / Sign	Date/Time: MAY 0 8 2007 1430	Received By: FEDEX — Print / Sign	Date/Time
Relinquished By: FEDEX	Date/Time	Received By: B-H	Date/Time: 5/9/07 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 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

STL ST. LOUIS

SDG: SL692

STL ST. LOUIS

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-340

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056	MSIN / FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code: RW. 5/8/07	
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	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 8286 4567	
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N548 (F)		W	5/8/07	1023	1x500-mL G/P	6010_METALS_ICP: List-3 (16)	HNO3 to pH <2
B1N549		W	↓	↓	1x20-mL P	Activity Scan	None
B1N549		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 5/8/07

Relinquished By	Date/Time	Received By	Date/Time
Fluor Hanford R. T. SICKLE [signature]	MAY 0 8 2007 1430	FEDEX	
FEDEX		B-A-P	5/9/07 0900

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

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

FedEx | Track

Track Shipments
Detailed Results

Quick Help

Tracking number	798170178935	**Reference**	GW0-06-04
Signed for by	J.CLARK	**Destination**	Earth City, MO
Ship date	May 8, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 9, 2007 9:01 AM	**Service type**	Priority Overnight
		Weight	40.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 9, 2007	9:01 AM	**Delivered**	Earth City, MO	
	7:31 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:05 AM	At local FedEx facility	EARTH CITY, MO	
	5:41 AM	At dest sort facility	BERKELEY, MO	
	4:18 AM	Departed FedEx location	MEMPHIS, TN	
May 8, 2007	5:38 PM	Left origin	PASCO, WA	
	4:10 PM	Picked up	PASCO, WA	
	4:01 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

Track Shipments
Detailed Results

Quick Help

Tracking number	792982864567	**Reference**	SAWS-10
Signed for by	J.CLARK	**Destination**	Earth City, MO
Ship date	May 8, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 9, 2007 9:01 AM	**Service type**	Priority Overnight
		Weight	57.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 9, 2007	9:01 AM	**Delivered**	Earth City, MO	
	7:31 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:07 AM	At local FedEx facility	EARTH CITY, MO	
	5:41 AM	At dest sort facility	BERKELEY, MO	
	4:18 AM	Departed FedEx location	MEMPHIS, TN	
May 8, 2007	5:38 PM	Left origin	PASCO, WA	
	4:10 PM	Picked up	PASCO, WA	
	3:00 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

STL

Lot #(s): F7E090243

- 1309 - 247

BO 251 256 5/9

Condition Upon Receipt Form

Client: INNL COC/RFA No: See below Date: 5/9/07

Quote No: 75243, 75242, 75174 Initiated By: BO Time: 0900

Shipping Information

Shipper Name: FE

Multiple Packages Y N

Shipping # (s):*

1. 7929 8286 4567	6.		
2. 7981 7017 8935	7.		
3.	8.		
4.	9.		
5.	10.		

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. I07-044-7, 11, 15, W07-005-300, 308, 309, 324, 332, 340, S07-005-190

2. W07-005-276, 316, 352

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: 5-9-07

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

ADMIN-0004, REVISED 04/18/07\\Stsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004-rev11.doc

STL SDG #

PNNL 54692 75174

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-488

Page 1 of 1

Collector K.B. HOUSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-005	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MAY 2007	HNF-N-506 7	Ice Chest No. SHIPPING Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5J1 (F)		W	5-9-07	1221	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5J2		W	"	"	1x20-mL P	Activity Scan	None
B1N5J2		W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
K.B. HOUSE	[signature]	MAY 09 2007 1400	FED EX		
FED EX			[signature] Clark	5.10.07	0910

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

STL ST. LOUIS

25 of 156

SDG# SL692

STL ST. LOUIS

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-472

Page 1 of 1

Collector K.E. HOUSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-005	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MAY 2007	HNF-N-506 7	Ice Chest No. STL102 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5H1 (F)		W	5-9-07	0954	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5H2		W	"	"	1x20-mL P	Activity Scan	None
B1N5H2		W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
K.E. HOUSE	[signature]	MAY 09 2007 1406	FED EX		
FEDEX			Jill Clarke		5-10-07 0910

Matrix *

S = Soil		DS = Drum Solid	
SD = 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

26 of 156

69 lbs

PNNL SL692.	CHAIN OF COUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C.# W07-005-480
		Page 1 of 1

Collector K.B. HULSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-005	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, MAY 2007	HNF-N-506 7	Ice Chest No. SAW5102 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5H6 (F)		W	5-9-07	1126	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5H7		W	↓	↓	1x20-mL P	Activity Scan	None
B1N5H7		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Date/Time	Received By	Date/Time
Print K.B. HULSE Sign KBHulse	MAY 09 2007 1900	FED EX	
FEDEX		Jill Clarke	5-10-07 0910

Matrix *

S = Soil	SE = Sediment	DS = Drum Solid	DL = Drum Liquid
SO = Solid	SL = Sludge	T = Tissue	WI = Wipe
W = Water	O = Oil	L = Liquid	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 # SL692

STL ST. LOUIS

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-432

Page 1 of 1

Collector Fluor Hanford R. T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-005	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA MAY 2007	Logbook: HNF-N-506-6	**Ice Chest No.** SAWS102 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5C7 (F)		W	5/9/07	1323	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5C8		W	↓	↓	1x20-mL P	Activity Scan	None
B1N5C8		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			MAY 0 9 2007 1430	FEDEX			
FEDEX				Gil Clarke			5.10.07 0910

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		

Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

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

28-07 156

SDG# SL692

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-568

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAWS-102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5P2 (F)		W	5/9/07	0833	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5P2 (F)		W	"	"	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1N5P3		W	"	"	1x20-mL P	Activity Scan	None
B1N5P3		W	"	"	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1N5P3		W	"	"	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1N5P3		W	"	"	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1N5P3		W	"	"	1x500-mL G/P	350.1_AMMONIA: Ammonia (1)	H2SO4 to pH <2 Cool 4C
B1N5P3		W	"	"	1x500-mL G/P	410.4_COD: COD (1)	H2SO4 to pH <2 Cool 4C

R. Udell 5/9/07

Relinquished By: Fluor Hanford R. T. SICKLE (Print) (Sign)	Date/Time: MAY 09 2007 1430	Received By: FEDEX (Print) (Sign)	Date/Time
Relinquished By: FEDEX	Date/Time	Received By: Jill Clark	Date/Time: 5-10-07 0910
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil	DS = Drum Solid	SR = 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

Page 2 of 156

ST. LOUIS

SDG: SL692

STL ST. LOUIS

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

#PNNL SL692

C.O.C. # W07-005-424

Page 1 of 1

Collector: Fluor Hanford R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAWS102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7991-3759-7424
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 WSCP: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCP: Batch all GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5C2 (F)		W	5/9/07	1036	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5C3		W	↓	↓	1x20-mL P	Activity Scan	None
B1N5C3		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

L. Wall 5/9/07

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford R. T. SICKLE	MAY 0 9 2007 1430	FEDEX	
FEDEX		Jill Clark	5-10-07 0910

Matrix *

S = Soil		DS = Drum Solid	
SR = 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: SL692 COC: 156

SDG: STL156

STL ST. LOUIS

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-416

Page 1 of 1

#PNNL 51692 Fluor Hanford

Collector: R. T. SICKLE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, MAY 2007	Logbook: HNF-N-506-6	Ice Chest No.: SAWS102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5B7 (F)		W	5/9/07	1229	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5B8		W	↓	↓	1x20-mL P	Activity Scan	None
B1N5B8		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

5/9/07

Relinquished By: Fluor Hanford R. T. SICKLE (Print / Sign)	Date/Time: 1430 MAY 0 9 2007	Received By (Print / Sign)	Date/Time
Relinquished By: FEDEX	Date/Time	Received By: Jill Clarke 5.10.07	Date/Time: 0910
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

STL-156

SDG# SL692

STL ST. LOUIS

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.# W07-005-528

Page 1 of 1

Collector DURATEK K.J. YOUNG	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-005	Sampling Origin Hanford Site	Purchase Order/Charge Code SAWS-102
Project Title RCRA, MAY 2007	HNF-N-506 B	Ice Chest No. ~~B610~~ BJ Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7996-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N5L6 (F)		W	5-9-07	1322	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N5L7		W	↓	↓	1x20-mL P	Activity Scan	None
B1N5L7		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
DURATEK K.J. YOUNG			MAY 09 2007 1402	FedEx			
Relinquished By			Date/Time	Received By			Date/Time
FEDEX				Jill Clarke			5-10-07 0910
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

32 OF 156

SDG# SL692

STL ST. LOUIS

PNNL 3L692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-268

Page 1 of 1

Collector DURATEK K. J. YOUNG	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-005	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code** SAF05-102
Project Title RCRA, MAY 2007	HNF-N-506-8	**Ice Chest No.** B16-10 **Temp.** 4°C
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N576 (F)		W	5-9-07	1044	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N577		W	↓	↓	1x20-mL P	Activity Scan	None
B1N577		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By DURATEK K. J. YOUNG Print / Sign	**Date/Time** 1400 MAY 09 2007	**Received By** FedEX Print / Sign	**Date/Time**
Relinquished By FEDEX	**Date/Time**	**Received By** Jill Clarke	**Date/Time** 5-10-07 0910
Relinquished By	**Date/Time**	**Received By**	**Date/Time**
Relinquished By	**Date/Time**	**Received By**	**Date/Time**

Matrix *

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

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

53 of 156

SDG# SL692

STL ST. LOUIS

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-005-269

Page 1 of 1

Collector DURATEK K. J. YOUNG	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-005	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code** SAWS-107
Project Title RCRA, MAY 2007	HNF-N-5068	**Ice Chest No.** B1640 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N580 (F)		W	5-9-07	1044	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1N581		W	↓	↓	1x20-mL P	Activity Scan	None
B1N581		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By DURATEK K. J. YOUNG Print / Sign	Date/Time 1402 MAY 09 2007	Received By Print / Sign FedEx	Date/Time
Relinquished By FEDEX	Date/Time	Received By Gill Clark	Date/Time 5-10-07 0910
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

34 of 156

Track Shipments
Detailed Results

Quick Help

Tracking number	799137597424	**Reference**	SAWS-102
Signed for by	J.CLARK	**Destination**	Earth City, MO
Ship date	May 9, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 10, 2007 9:04 AM	**Service type**	Priority Overnight
		Weight	69.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 10, 2007	9:04 AM	**Delivered**	Earth City, MO	
	8:10 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:30 AM	At local FedEx facility	EARTH CITY, MO	
	5:24 AM	At dest sort facility	BERKELEY, MO	
	4:07 AM	Departed FedEx location	MEMPHIS, TN	
	1:21 AM	Arrived at FedEx location	MEMPHIS, TN	
May 9, 2007	5:39 PM	Left origin	PASCO, WA	
	4:06 PM	Package data transmitted to FedEx		
	3:47 PM	Picked up	PASCO, WA	

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

STL ST. LOUIS

STL

Lot #(s): F7E100283
- 1372 - 307
317
314

Condition Upon Receipt Form

Client: PNNL
Quote No: _____
COC/RFA No: See Below
Initiated By: _____
Date: 5-10-07
Time: 0910

Shipping Information

Shipper Name: Fed Ex
Multiple Packages Y (N)

Shipping # (s):*

1. 7991 3754 7424	6.	1. 3	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

Sample Temperature (s):**

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: ~~Did not receive Activity screen vial for BIN419~~ EJ 5.10.07

COC
S07-005-191
W07-003-134
I07-044-116
↓ ↓ -23
W07-005-488
-477
-480
-432
-568
-424
-416
-528
-268
-269

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: Kim Mundis Date: 5-11-07

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# SL692

STL ST. LOUIS

PNNL 15242 SL692 Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.# S07-005-191

Page 1 of 1

Collector R. T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-005	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, MAY 2007	Logbook: HNF-N-506-6	**Ice Chest No.** SAWS102 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7991-3759-7424
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N419		W	5/9/07	0833	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1N419		W	↓	↓	1x20-mL P	Activity Scan ~~Do not receive~~ 5.10.07	None

R. Wade 5/9/07

Relinquished By (Print) Fluor Hanford R. T. SICKLE (Sign)	Date/Time MAY 09 2007 1430	Received By (Print) FEDEX (Sign)	Date/Time
Relinquished By FEDEX	Date/Time	Received By Jill Clark 5.10.07	Date/Time 0910
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

SAF OF 156

Track Shipments
Detailed Results

Quick Help

Tracking number	799137597424	**Reference**	SAWS-102
Signed for by	J.CLARK	**Destination**	Earth City, MO
Ship date	May 9, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 10, 2007 9:04 AM	**Service type**	Priority Overnight
		Weight	69.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 10, 2007	9:04 AM	**Delivered**	Earth City, MO	
	8:10 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:30 AM	At local FedEx facility	EARTH CITY, MO	
	5:24 AM	At dest sort facility	BERKELEY, MO	
	4:07 AM	Departed FedEx location	MEMPHIS, TN	
	1:21 AM	Arrived at FedEx location	MEMPHIS, TN	
May 9, 2007	5:39 PM	Left origin	PASCO, WA	
	4:06 PM	Package data transmitted to FedEx		
	3:47 PM	Picked up	PASCO, WA	

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

Your Name: Your E-mail Address:

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

STL ST. LOUIS

STL

Lot #(s): F7E100283
- 1372 - 307
317
314

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See Below Date: 5.10.07
Quote No: _____ Initiated By: JC Time: 0910

Shipping Information

Shipper Name: Fed Ex Multiple Packages Y (N)

Shipping # (s):*

1.	7991 3759 7424	6.		1.	3	6.	
2.		7.		2.		7.	
3.		8.		3.		8.	
4.		9.		4.		9.	
5.		10.		5.		10.	

Sample Temperature (s):**

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: Did not receive Activity screen Vial for BIN4A JC 5.10.07

COC
S07-005-191
W07-003-134
I07-044-116
↓ ↓ -23
W07-005-488
-472
-480
-432
-568
-424
-416
-528
-268
-269

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: 5-10-07

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: STL56 PNNL 5L692

STL ST. LOUIS

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-027-5 (32)

Page 1 of 1

Collector: L.D. WALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 · MSIN · FAX
SAF No.: I07-027	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1-LOI FEBRUARY 2007	HNF-N-506. 6	Ice Chest No.: SAWS 100 · Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7902 4750 4710
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS

** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M723		W	5-14-07	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1M723		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Date/Time	Received By	Date/Time
L.D. WALL (signed L.D. Wall)	MAY 1 4 2007 / 1430	FedEx	
FEDEX		B-D-F	5/15/07 0850

Matrix *

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

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

Track Shipments
Detailed Results

Quick Help

Tracking number	790247504710	**Reference**	SAWS-100
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	May 14, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 15, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	32.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 15, 2007	8:49 AM	**Delivered**	Earth City, MO	
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:46 AM	At local FedEx facility	EARTH CITY, MO	
	5:48 AM	At dest sort facility	BERKELEY, MO	
	4:46 AM	Departed FedEx location	MEMPHIS, TN	
	3:41 AM	Arrived at FedEx location	MEMPHIS, TN	
May 14, 2007	5:30 PM	Left origin	PASCO, WA	
	4:04 PM	Picked up	PASCO, WA	
	3:46 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

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

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

Select format: ◉ HTML ○ Text ○ Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

STL ST. LOUIS

STL

Lot #(s): FTE150160
- 1313 - 162
164

Condition Upon Receipt Form

Client: PNNL
Quote No: 7417, 75242, 7574
COC/RFA No: See below
Initiated By: PO
Date: 5/15/07
Time: 0850

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7907 3898 3588
2. 7902 4750 4710
3.
4.
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below) 4@5 5/15/07	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?

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

Notes: 1. W07-005-152, 153, 164, 176, 184, 601
2. I07-627-5, S07-005-192, W07-005-260, 292, 389, 596

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: _____ Date: 5-16-07

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# 51852

SDG SL692

PNNL SL692

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-005-192

STL ST. LOUIS

Collector: L.D. WALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-005	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, MAY 2007	HNF-N-506-6	Ice Chest No. SAWS-100 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 79104750 4710
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 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 GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1N420		W	5-14-07	1318	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1N420		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Date/Time	Received By	Date/Time
L.D. WALL (Print) L.D. Wall (Sign)	MAY 14 2007 / 1430	FedEx	
FEDEX		B-[illegible]	5/15/07 0850

Matrix *

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

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

Track Shipments
Detailed Results

Quick Help

Tracking number	790247504710	**Reference**	SAWS-100
Signed for by	S.WILSON	**Destination**	Earth City, MO
Ship date	May 14, 2007	**Delivered to**	Shipping/Receiving
Delivery date	May 15, 2007 8:49 AM	**Service type**	Priority Overnight
		Weight	32.0 lbs.

Status Delivered

Signature image available Yes

Date/Time		Activity	Location	Details
May 15, 2007	8:49 AM	**Delivered**	Earth City, MO	
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:46 AM	At local FedEx facility	EARTH CITY, MO	
	5:48 AM	At dest sort facility	BERKELEY, MO	
	4:46 AM	Departed FedEx location	MEMPHIS, TN	
	3:41 AM	Arrived at FedEx location	MEMPHIS, TN	
May 14, 2007	5:30 PM	Left origin	PASCO, WA	
	4:04 PM	Picked up	PASCO, WA	
	3:46 PM	Package data transmitted to FedEx		

Signature proof | E-mail results | Track more shipments

Subscribe to tracking updates (optional)

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

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

Select format: HTML Text Wireless

Add personal message:

Not available for Wireless or non-English characters.

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

Submit

STL ST. LOUIS

STL

Lot #(s): FTE150160
- 1313 - 162
164

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See below Date: 5/15/07
Quote No: 7417, 75242, 75174 Initiated By: KO Time: 0850

Shipping Information

Shipper Name: FE Multiple Packages (Y) N

Shipping # (s):*

1.	7901 3898 3538	6.		1.	3	6.	
2.	7902 4750 4710	7.		2.	2	7.	
3.		8.		3.		8.	
4.		9.		4.		9.	
5.		10.		5.		10.	

Sample Temperature (s):**

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. W07-005-152, 153, 164, 176, 184, 401
2. I07-627-5, S07-005-192, W07-005-260, 292, 389, 596

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: Date: 5-16-07

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: B1N5P3

GC/MS Volatiles

Lot-Sample #...: F7E100283-010 **Work Order #...:** JWN3E2AC **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07
Prep Date.....: 05/11/07 **Analysis Date..:** 05/11/07
Prep Batch #...: 7137229
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	**0.33 J**	**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	**1.0**	**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	**0.57 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	**0.81 J**	**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	101	(76 - 117)
Dibromofluoromethane	109	(82 - 130)
1,2-Dichloroethane-d4	107	(73 - 137)
4-Bromofluorobenzene	97	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1N5P3

GC/MS Volatiles

Lot-Sample #: F7E100283-010 **Work Order #:** JWN3E2AC **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: B1N419

GC/MS Volatiles

Lot-Sample #...: F7E100317-001 **Work Order #...:** JWPC82AA **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07
Prep Date.....: 05/14/07 **Analysis Date..:** 05/14/07
Prep Batch #...: 7138204
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**3.8**	**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	106	(76 - 117)
Dibromofluoromethane	101	(82 - 130)
1,2-Dichloroethane-d4	108	(73 - 137)
4-Bromofluorobenzene	100	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1N419

GC/MS Volatiles

Lot-Sample #: F7E100317-001 **Work Order #:** JWPC82AA **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: B1M723

GC/MS Volatiles

Lot-Sample #...: F7E150160-001 **Work Order #...:** JW0PQ2AC **Matrix.....:** WATER
Date Sampled...: 05/14/07 **Date Received..:** 05/15/07
Prep Date.....: 05/24/07 **Analysis Date..:** 05/24/07
Prep Batch #...: 7149197
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	**9.8**	**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	**2.9**	**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	**0.22 J**	**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	178 *	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1M723

GC/MS Volatiles

Lot-Sample #: F7E150160-001 **Work Order #:** JW0PQ2AC **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: B1M723

GC/MS Volatiles

Lot-Sample #...: F7E150160-001	**Work Order #...:** JW0PQ3AC	**Matrix.....:** WATER	
Date Sampled...: 05/14/07	**Date Received..:** 05/15/07		
Prep Date.....: 05/24/07	**Analysis Date..:** 05/24/07		
Prep Batch #...: 7149197			
Dilution Factor: 100	**Method.....:** SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**960 D**	**100**	**ug/L**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(76 - 117)
Dibromofluoromethane	104	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1N420

GC/MS Volatiles

Lot-Sample #...: F7E150162-001 **Work Order #...:** JW0QF1AC **Matrix.....:** WATER
Date Sampled...: 05/14/07 **Date Received..:** 05/15/07
Prep Date.....: 05/23/07 **Analysis Date..:** 05/23/07
Prep Batch #...: 7144497
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND N	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**3.6**	**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	100	(76 - 117)
Dibromofluoromethane	102	(82 - 130)
1,2-Dichloroethane-d4	102	(73 - 137)
4-Bromofluorobenzene	96	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1N420

GC/MS Volatiles

Lot-Sample #: F7E150162-001 **Work Order #:** JW0QF1AC **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 #...: SL692 **Work Order #...:** JW50J1AA **Matrix.....:** WATER
MB Lot-Sample #: F7E170000-229

Prep Date.....: 05/11/07
Analysis Date..: 05/11/07 **Prep Batch #...:** 7137229
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	101	(76 - 117)
Dibromofluoromethane	106	(82 - 130)
1,2-Dichloroethane-d4	108	(73 - 137)
4-Bromofluorobenzene	96	(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 #: F7E170000-229 B **Work Order #:** JW50J1AA **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 #...: SL692 **Work Order #...:** JW8L01AA **Matrix.....:** WATER
MB Lot-Sample #: P7E180000-204

Prep Date.....: 05/14/07
Analysis Date..: 05/14/07 **Prep Batch #...:** 7138204
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	103	(76 - 117)
Dibromofluoromethane	103	(82 - 130)
1,2-Dichloroethane-d4	110	(73 - 137)
4-Bromofluorobenzene	100	(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 #: F7E180000-204 B **Work Order #:** JW8L01AA **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 #...: SL692 **Work Order #...:** JXNLP1AA **Matrix.....:** WATER
MB Lot-Sample #: F7E240000-497

Prep Date.....: 05/23/07
Analysis Date..: 05/23/07 **Prep Batch #...:** 7144497
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	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	103	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	98	(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 #: F7E240000-497 B **Work Order #:** JXNLP1AA **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 #...: SL692 **Work Order #...:** JXV1Q1AA **Matrix.....:** WATER
MB Lot-Sample #: F7E290000-197

Prep Date.....: 05/24/07
Analysis Date..: 05/24/07 **Prep Batch #...:** 7149197
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	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	100	(76 - 117)
Dibromofluoromethane	100	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	94	(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 #: F7E290000-197 B **Work Order #:** JXV1Q1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 Work Order #...: JW50J1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7E170000-229 JW50J1AD-LCSD
Prep Date.....: 05/11/07 Analysis Date..: 05/11/07
Prep Batch #...: 7137229
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	8.77	ug/L	88	13	SW846 8260B
Ethylbenzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	0.69	SW846 8260B
1,4-Dioxane	200	229	ug/L	115		SW846 8260B
	200	241	ug/L	120	4.9	SW846 8260B
Vinyl chloride	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.0	ug/L	100	1.6	SW846 8260B
Acetone	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.01	ug/L	90	14	SW846 8260B
Methylene chloride	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.2	ug/L	102	8.4	SW846 8260B
Carbon disulfide	10.0	9.55	ug/L	95		SW846 8260B
	10.0	8.26	ug/L	83	14	SW846 8260B
1,1-Dichloroethane	10.0	9.74	ug/L	97		SW846 8260B
	10.0	9.59	ug/L	96	1.6	SW846 8260B
2-Butanone	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.9	ug/L	109	1.7	SW846 8260B
Chloroform	10.0	9.57	ug/L	96		SW846 8260B
	10.0	9.95	ug/L	100	3.9	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.94	ug/L	99		SW846 8260B
	10.0	9.99	ug/L	100	0.47	SW846 8260B
Propionitrile	50.0	54.2	ug/L	108		SW846 8260B
	50.0	56.3	ug/L	113	3.7	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.84	ug/L	98		SW846 8260B
	10.0	9.39	ug/L	94	4.7	SW846 8260B
1,1,1-Trichloroethane	10.0	9.47	ug/L	95		SW846 8260B
	10.0	9.32	ug/L	93	1.6	SW846 8260B
Carbon tetrachloride	10.0	9.25	ug/L	93		SW846 8260B
	10.0	9.36	ug/L	94	1.1	SW846 8260B
1,2-Dichloroethane	10.0	9.78	ug/L	98		SW846 8260B
	10.0	9.89	ug/L	99	1.1	SW846 8260B
Benzene	10.0	9.78	ug/L	98		SW846 8260B
	10.0	9.71	ug/L	97	0.67	SW846 8260B
Trichloroethene	10.0	9.44	ug/L	94		SW846 8260B
	10.0	9.75	ug/L	98	3.2	SW846 8260B
4-Methyl-2-pentanone	10.0	11.4	ug/L	114		SW846 8260B
	10.0	11.5	ug/L	115	0.96	SW846 8260B
1,1,2-Trichloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.7	ug/L	107	1.9	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JW50J1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7E170000-229 JW50J1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**9.02**	**ug/L**	**90**		**SW846 8260B**
	10.0	**9.53**	**ug/L**	**95**	**5.6**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**63.4**	**ug/L**	**127**		**SW846 8260B**
	50.0	**57.1**	**ug/L**	**114**	**10**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.51**	**ug/L**	**95**		**SW846 8260B**
	10.0	**9.46**	**ug/L**	**95**	**0.53**	**SW846 8260B**
1-Butanol	**100**	**93.9**	**ug/L**	**94**		**SW846 8260B**
	100	**135 p**	**ug/L**	**135**	**36**	**SW846 8260B**
Toluene	**10.0**	**9.22**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.21**	**ug/L**	**92**	**0.070**	**SW846 8260B**

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

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JW8L01AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7E180000-204 JW8L01AD-LCSD
Prep Date.....: 05/14/07 **Analysis Date..:** 05/14/07
Prep Batch #...: 7138204
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.85	ug/L	98		SW846 8260B
	10.0	9.00	ug/L	90	9.0	SW846 8260B
Ethylbenzene	10.0	9.95	ug/L	100		SW846 8260B
	10.0	10.4	ug/L	104	4.9	SW846 8260B
1,4-Dioxane	200	225	ug/L	112		SW846 8260B
	200	205	ug/L	103	9.1	SW846 8260B
Vinyl chloride	10.0	11.8	ug/L	118		SW846 8260B
	10.0	11.7	ug/L	117	1.2	SW846 8260B
Acetone	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.5	ug/L	105	3.3	SW846 8260B
Methylene chloride	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.56	ug/L	96	3.8	SW846 8260B
Carbon disulfide	10.0	9.51	ug/L	95		SW846 8260B
	10.0	8.15	ug/L	81	15	SW846 8260B
1,1-Dichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.0	ug/L	100	1.3	SW846 8260B
2-Butanone	10.0	8.77	ug/L	88		SW846 8260B
	10.0	8.35	ug/L	83	5.0	SW846 8260B
Chloroform	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	0.29	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.87	ug/L	99	1.5	SW846 8260B
Propionitrile	50.0	52.4	ug/L	105		SW846 8260B
	50.0	50.3	ug/L	101	4.1	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.77	ug/L	98		SW846 8260B
	10.0	9.15	ug/L	92	6.6	SW846 8260B
1,1,1-Trichloroethane	10.0	9.64	ug/L	96		SW846 8260B
	10.0	9.77	ug/L	98	1.3	SW846 8260B
Carbon tetrachloride	10.0	9.62	ug/L	96		SW846 8260B
	10.0	9.76	ug/L	98	1.4	SW846 8260B
1,2-Dichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	0.95	SW846 8260B
Benzene	10.0	9.63	ug/L	96		SW846 8260B
	10.0	9.78	ug/L	98	1.5	SW846 8260B
Trichloroethene	10.0	9.33	ug/L	93		SW846 8260B
	10.0	9.35	ug/L	94	0.17	SW846 8260B
4-Methyl-2-pentanone	10.0	11.4	ug/L	114		SW846 8260B
	10.0	12.0	ug/L	120	5.0	SW846 8260B
1,1,2-Trichloroethane	10.0	9.98	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	2.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JW8L01AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7E180000-204 JW8L01AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**8.62**	**ug/L**	**86**		**SW846 8260B**
	10.0	**9.43**	**ug/L**	**94**	**9.0**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**58.4**	**ug/L**	**117**		**SW846 8260B**
	50.0	**57.3**	**ug/L**	**115**	**1.8**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.32**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.67**	**ug/L**	**97**	**3.7**	**SW846 8260B**
1-Butanol	**100**	**156 a**	**ug/L**	**156**		**SW846 8260B**
	100	**72.9 p**	**ug/L**	**73**	**72**	**SW846 8260B**
Toluene	**10.0**	**9.35**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.56**	**ug/L**	**96**	**2.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(90 - 118)
	105	(90 - 118)
Dibromofluoromethane	103	(83 - 125)
	104	(83 - 125)
1,2-Dichloroethane-d4	106	(75 - 135)
	106	(75 - 135)
4-Bromofluorobenzene	104	(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.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JXNLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7E240000-497 JXNLP1AD-LCSD
Prep Date.....: 05/23/07 **Analysis Date..:** 05/23/07
Prep Batch #...: 7144497
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.10	ug/L	91		SW846 8260B
	10.0	9.95	ug/L	99	8.9	SW846 8260B
Ethylbenzene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.4	ug/L	114	4.3	SW846 8260B
1,4-Dioxane	200	187	ug/L	93		SW846 8260B
	200	180	ug/L	90	3.8	SW846 8260B
Vinyl chloride	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.3	ug/L	113	3.0	SW846 8260B
Acetone	10.0	8.66	ug/L	87		SW846 8260B
	10.0	9.42	ug/L	94	8.4	SW846 8260B
Methylene chloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.3	ug/L	103	0.38	SW846 8260B
Carbon disulfide	10.0	9.37	ug/L	94		SW846 8260B
	10.0	10.2	ug/L	102	8.1	SW846 8260B
1,1-Dichloroethane	10.0	9.83	ug/L	98		SW846 8260B
	10.0	10.0	ug/L	100	1.7	SW846 8260B
2-Butanone	10.0	9.78	ug/L	98		SW846 8260B
	10.0	9.98	ug/L	100	2.1	SW846 8260B
Chloroform	10.0	9.78	ug/L	98		SW846 8260B
	10.0	10.0	ug/L	100	2.5	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.8	ug/L	108	6.5	SW846 8260B
Propionitrile	50.0	46.1	ug/L	92		SW846 8260B
	50.0	45.1	ug/L	90	2.2	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.71	ug/L	97		SW846 8260B
	10.0	9.72	ug/L	97	0.060	SW846 8260B
1,1,1-Trichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.5	ug/L	105	3.6	SW846 8260B
Carbon tetrachloride	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.090	SW846 8260B
1,2-Dichloroethane	10.0	9.74	ug/L	97		SW846 8260B
	10.0	9.74	ug/L	97	0.030	SW846 8260B
Benzene	10.0	9.96	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	3.8	SW846 8260B
Trichloroethene	10.0	8.99	ug/L	90		SW846 8260B
	10.0	9.46	ug/L	95	5.2	SW846 8260B
4-Methyl-2-pentanone	10.0	9.59	ug/L	96		SW846 8260B
	10.0	8.27	ug/L	83	15	SW846 8260B
1,1,2-Trichloroethane	10.0	9.34	ug/L	93		SW846 8260B
	10.0	9.50	ug/L	95	1.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JXNLP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7E240000-497 JXNLP1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**9.73**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.4**	**ug/L**	**104**	**7.2**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**38.4**	**ug/L**	**77**		**SW846 8260B**
	50.0	**41.4**	**ug/L**	**83**	**7.5**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.72**	**ug/L**	**97**		**SW846 8260B**
	10.0	**9.64**	**ug/L**	**96**	**0.80**	**SW846 8260B**
1-Butanol	**100**	**73.9**	**ug/L**	**74**		**SW846 8260B**
	100	**95.6 p**	**ug/L**	**96**	**26**	**SW846 8260B**
Toluene	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**5.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(90 - 118)
	108	(90 - 118)
Dibromofluoromethane	104	(83 - 125)
	104	(83 - 125)
1,2-Dichloroethane-d4	95	(75 - 135)
	98	(75 - 135)
4-Bromofluorobenzene	108	(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 #...: SL692 **Work Order #...:** JXV1Q1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7E290000-197
Prep Date.....: 05/24/07 **Analysis Date..:** 05/24/07
Prep Batch #...: 7149197
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Ethylbenzene	10.0	10.3	ug/L	103	SW846 8260B
1,4-Dioxane	200	178	ug/L	89	SW846 8260B
1,1-Dichloroethene	10.0	8.83	ug/L	88	SW846 8260B
Vinyl chloride	10.0	9.40	ug/L	94	SW846 8260B
Acetone	10.0	7.78	ug/L	78	SW846 8260B
Methylene chloride	10.0	10.4	ug/L	104	SW846 8260B
Carbon disulfide	10.0	9.38	ug/L	94	SW846 8260B
1,1-Dichloroethane	10.0	9.79	ug/L	98	SW846 8260B
2-Butanone	10.0	6.29	ug/L	63	SW846 8260B
Chloroform	10.0	9.70	ug/L	97	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.79	ug/L	98	SW846 8260B
Propionitrile	50.0	45.0	ug/L	90	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.80	ug/L	98	SW846 8260B
1,1,1-Trichloroethane	10.0	9.51	ug/L	95	SW846 8260B
Carbon tetrachloride	10.0	9.92	ug/L	99	SW846 8260B
1,2-Dichloroethane	10.0	9.17	ug/L	92	SW846 8260B
Benzene	10.0	9.85	ug/L	98	SW846 8260B
Trichloroethene	10.0	9.62	ug/L	96	SW846 8260B
4-Methyl-2-pentanone	10.0	9.67	ug/L	97	SW846 8260B
1,1,2-Trichloroethane	10.0	9.67	ug/L	97	SW846 8260B
Tetrachloroethene	10.0	8.84	ug/L	88	SW846 8260B
Tetrahydrofuran	50.0	43.4	ug/L	87	SW846 8260B
1,4-Dichlorobenzene	10.0	9.48	ug/L	95	SW846 8260B
1-Butanol	100	67.8	ug/L	68	SW846 8260B
Toluene	10.0	10.2	ug/L	102	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(90 - 118)
Dibromofluoromethane	94	(83 - 125)
1,2-Dichloroethane-d4	90	(75 - 135)
4-Bromofluorobenzene	102	(78 - 119)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JXV1Q1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7E290000-197

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 #...: SL692 **Work Order #...:** JWPD61AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7E100319-001 JWPD61AE-MSD
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07
Prep Date.....: 05/14/07 **Analysis Date..:** 05/14/07
Prep Batch #...: 7138204
Dilution Factor: 100

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	1000	1060 D	ug/L	106		SW846 8260B
	ND	1000	1220 D	ug/L	122	15	SW846 8260B
Ethylbenzene	ND	1000	1050 D	ug/L	105		SW846 8260B
	ND	1000	1080 D	ug/L	108	2.4	SW846 8260B
1,4-Dioxane	ND	20000	20800 D	ug/L	104		SW846 8260B
	ND	20000	22000 D	ug/L	110	5.8	SW846 8260B
Vinyl chloride	ND	1000	1320 D	ug/L	132		SW846 8260B
	ND	1000	1440 D	ug/L	144	8.7	SW846 8260B
Acetone	ND	1000	1090 D	ug/L	109		SW846 8260B
	ND	1000	1050 D	ug/L	105	3.9	SW846 8260B
Methylene chloride	120	1000	1230 D	ug/L	112		SW846 8260B
	120	1000	1190 D	ug/L	107	3.8	SW846 8260B
Carbon disulfide	ND	1000	1060 D	ug/L	106		SW846 8260B
	ND	1000	1120 D	ug/L	112	6.0	SW846 8260B
1,1-Dichloroethane	ND	1000	1160 D	ug/L	116		SW846 8260B
	ND	1000	1180 D	ug/L	118	1.6	SW846 8260B
2-Butanone	ND	1000	1060 D	ug/L	106		SW846 8260B
	ND	1000	1270 D	ug/L	127	18	SW846 8260B
Chloroform	17	1000	1150 D	ug/L	113		SW846 8260B
	17	1000	1090 D	ug/L	108	4.9	SW846 8260B
cis-1,2-Dichloroethene	ND	1000	1110 D	ug/L	111		SW846 8260B
	ND	1000	1110 D	ug/L	111	0.09	SW846 8260B
Propionitrile	ND	5000	6190 D	ug/L	124		SW846 8260B
	ND	5000	5770 D	ug/L	115	7.0	SW846 8260B
trans-1,2-Dichloroethene	ND	1000	1120 D	ug/L	112		SW846 8260B
	ND	1000	1160 D	ug/L	116	2.9	SW846 8260B
1,1,1-Trichloroethane	ND	1000	1030 D	ug/L	103		SW846 8260B
	ND	1000	1090 D	ug/L	109	5.7	SW846 8260B
Carbon tetrachloride	2600	1000	3110 D	ug/L	47 a,N		SW846 8260B
	2600	1000	3650 D	ug/L	100	16	SW846 8260B
1,2-Dichloroethane	ND	1000	1130 D	ug/L	113		SW846 8260B
	ND	1000	1120 D	ug/L	112	1.3	SW846 8260B
Benzene	ND	1000	1130 D	ug/L	113		SW846 8260B
	ND	1000	1140 D	ug/L	114	0.88	SW846 8260B
Trichloroethene	ND	1000	1050 D	ug/L	105		SW846 8260B
	ND	1000	1070 D	ug/L	107	1.5	SW846 8260B
4-Methyl-2-pentanone	ND	1000	1260 D	ug/L	126		SW846 8260B
	ND	1000	1290 D	ug/L	129	2.8	SW846 8260B
1,1,2-Trichloroethane	ND	1000	1040 D	ug/L	104		SW846 8260B
	ND	1000	1010 D	ug/L	101	3.0	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JWPD61AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7E100319-001 JWPD61AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**1000**	**893 D**	**ug/L**	**89**		**SW846 8260B**
	ND	**1000**	**899 D**	**ug/L**	**90**	**0.72**	**SW846 8260B**
Tetrahydrofuran	**ND**	**5000**	**6320 D**	**ug/L**	**126**		**SW846 8260B**
	ND	**5000**	**6420 D**	**ug/L**	**128**	**1.6**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**1000**	**974 D**	**ug/L**	**97**		**SW846 8260B**
	ND	**1000**	**999 D**	**ug/L**	**100**	**2.6**	**SW846 8260B**
1-Butanol	**ND**	**10000**	**13700 D**	**ug/L**	**137**		**SW846 8260B**
	ND	**10000**	**13200 D**	**ug/L**	**132**	**3.5**	**SW846 8260B**
Toluene	**33**	**1000**	**991 D**	**ug/L**	**96**		**SW846 8260B**
	33	**1000**	**991 D**	**ug/L**	**96**	**0.02**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 117)
	100	(76 - 117)
Dibromofluoromethane	106	(82 - 130)
	105	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
	101	(73 - 137)
4-Bromofluorobenzene	90	(75 - 114)
	92	(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.

D Result was obtained from the analysis of a dilution.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 Work Order #...: JW0QF1AD-MS Matrix.....: WATER
MS Lot-Sample #: F7E150162-001 JW0QF1AE-MSD
Date Sampled...: 05/14/07 Date Received..: 05/15/07
Prep Date.....: 05/23/07 Analysis Date..: 05/23/07
Prep Batch #...: 7144497
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	6.34	ug/L	63 a,N		SW846 8260B
	ND	10.0	6.92	ug/L	69	8.8	SW846 8260B
Ethylbenzene	ND	10.0	9.19	ug/L	92		SW846 8260B
	ND	10.0	9.13	ug/L	91	0.66	SW846 8260B
1,4-Dioxane	ND	200	143	ug/L	72		SW846 8260B
	ND	200	154	ug/L	77	7.3	SW846 8260B
Vinyl chloride	ND	10.0	7.78	ug/L	78		SW846 8260B
	ND	10.0	9.98	ug/L	100 p	25	SW846 8260B
Acetone	ND	10.0	7.24	ug/L	72		SW846 8260B
	ND	10.0	9.25	ug/L	92 p	24	SW846 8260B
Methylene chloride	3.6	10.0	12.0	ug/L	84		SW846 8260B
	3.6	10.0	12.3	ug/L	87	2.6	SW846 8260B
Carbon disulfide	ND	10.0	5.51	ug/L	55		SW846 8260B
	ND	10.0	5.68	ug/L	57	3.1	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.16	ug/L	92		SW846 8260B
	ND	10.0	9.17	ug/L	92	0.12	SW846 8260B
2-Butanone	ND	10.0	8.26	ug/L	83		SW846 8260B
	ND	10.0	7.90	ug/L	79	4.5	SW846 8260B
Chloroform	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.34	ug/L	93	1.3	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.56	ug/L	96		SW846 8260B
	ND	10.0	9.50	ug/L	95	0.60	SW846 8260B
Propionitrile	ND	50.0	41.6	ug/L	83		SW846 8260B
	ND	50.0	39.3	ug/L	79	5.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.49	ug/L	85		SW846 8260B
	ND	10.0	8.90	ug/L	89	4.7	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.93	SW846 8260B
Carbon tetrachloride	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	9.84	ug/L	98	4.3	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.29	ug/L	93		SW846 8260B
	ND	10.0	9.16	ug/L	92	1.5	SW846 8260B
Benzene	ND	10.0	9.22	ug/L	92		SW846 8260B
	ND	10.0	9.26	ug/L	93	0.47	SW846 8260B
Trichloroethene	ND	10.0	8.37	ug/L	84		SW846 8260B
	ND	10.0	8.02	ug/L	80	4.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	6.82	ug/L	68		SW846 8260B
	ND	10.0	6.76	ug/L	68	0.94	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	7.86	ug/L	79		SW846 8260B
	ND	10.0	7.40	ug/L	74	5.9	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL692 **Work Order #...:** JW0QF1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7E150162-001 JW0QF1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**7.66**	**ug/L**	**77**		**SW846 8260B**
	ND	**10.0**	**7.67**	**ug/L**	**77**	**0.17**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**41.9**	**ug/L**	**84**		**SW846 8260B**
	ND	**50.0**	**40.1**	**ug/L**	**80**	**4.4**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.30**	**ug/L**	**83**		**SW846 8260B**
	ND	**10.0**	**7.88**	**ug/L**	**79**	**5.2**	**SW846 8260B**
1-Butanol	**ND**	**100**	**67.9**	**ug/L**	**68**		**SW846 8260B**
	ND	**100**	**81.9**	**ug/L**	**82**	**19**	**SW846 8260B**
Toluene	**ND**	**10.0**	**8.47**	**ug/L**	**85**		**SW846 8260B**
	ND	**10.0**	**8.36**	**ug/L**	**84**	**1.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	87	(76 - 117)
	92	(76 - 117)
Dibromofluoromethane	100	(82 - 130)
	98	(82 - 130)
1,2-Dichloroethane-d4	93	(73 - 137)
	89	(73 - 137)
4-Bromofluorobenzene	85	(75 - 114)
	84	(75 - 114)

NOTE(S):

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

Bold print denotes control parameters

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

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

METALS

Pacific Northwest National Laboratory

Client Sample ID: B1N4X4

DISSOLVED Metals

Lot-Sample #...: F7E090256-001 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**380**	**200**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**322000 N**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**98.8**	**10.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**50.1 B**	**100**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKWF1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**100000**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**13400**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKWF1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N4X4

DISSOLVED Metals

Lot-Sample #...: F7E090256-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**180000**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKWF1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**1590**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**10.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKWF1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKWF1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

N Spike sample recovery is outside control limits.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1N513

DISSOLVED Metals

Lot-Sample #...: F7E090256-003 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**103 B**	**200**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKW81AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**77800 N**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKW81AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**157**	**10.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKW81AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	05/10-05/18/07	JWKW81AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**27100**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKW81AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**54.4**	**15.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKW81AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6880**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKW81AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N513

DISSOLVED Metals

Lot-Sample #...: F7E090256-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	104000	5000	ug/L	SW846 6010B	05/10-05/18/07	JWKW81AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	447	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	13.5 B	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKW81AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N555

DISSOLVED Metals

Lot-Sample #...: F7E090256-005 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**66.2 B**	**200**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**43900 N**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**708**	**10.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	05/10-05/18/07	JWKXL1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**14100**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6910**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKXL1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N555

DISSOLVED Metals

Lot-Sample #...: F7E090256-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**242000**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWKXL1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**209**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**34.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKXL1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXL1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N4Y9

DISSOLVED Metals

Lot-Sample #...: F7E090256-007 Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/10-05/16/07	JWKXR1AA
Barium	27.6 B	200 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWKXR1AC
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/10-05/16/07	JWKXR1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/10-05/16/07	JWKXR1AE
Calcium	22900 N	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 36.0	05/10-05/16/07	JWKXR1AF
Chromium	52.5	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 3.1	05/10-05/16/07	JWKXR1AG
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWKXR1AH
Copper	3.7 B	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/10-05/16/07	JWKXR1AJ
Iron	32.5 B	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	05/10-05/18/07	JWKXR1AK
Magnesium	7130	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 108	05/10-05/16/07	JWKXR1AL
Manganese	4.1 B	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/10-05/16/07	JWKXR1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/10-05/16/07	JWKXR1AN
Potassium	3360 B	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 1500	05/10-05/18/07	JWKXR1AP
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/10-05/16/07	JWKXR1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N4Y9

DISSOLVED Metals

Lot-Sample #...: F7E090256-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	155000	5000	ug/L	SW846 6010B	05/10-05/18/07	JWKXR1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	125	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXR1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	50.7	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXR1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	19.2 B	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKXR1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N504

DISSOLVED Metals

Lot-Sample #...: F7E090256-009 Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/10-05/16/07	JWKX51AA
Barium	53.9 B	200 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWKX51AC
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/10-05/16/07	JWKX51AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/10-05/16/07	JWKX51AE
Calcium	51200 N	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 36.0	05/10-05/16/07	JWKX51AF
Chromium	18.4	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 3.1	05/10-05/16/07	JWKX51AG
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWKX51AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/10-05/16/07	JWKX51AJ
Iron	56.5 B	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	05/10-05/18/07	JWKX51AK
Magnesium	19200	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 108	05/10-05/16/07	JWKX51AL
Manganese	23.2	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/10-05/16/07	JWKX51AM
Nickel	11.1 B	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/10-05/16/07	JWKX51AN
Potassium	5030	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 1500	05/10-05/18/07	JWKX51AP
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/10-05/16/07	JWKX51AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N504

DISSOLVED Metals

Lot-Sample #...: F7E090256-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	86900	5000	ug/L	SW846 6010B	05/10-05/18/07	JWKX51AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	289	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX51AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	14.0 B	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX51AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX51AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N508

DISSOLVED Metals

Lot-Sample #...: F7E090256-011 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**42.2 B,N**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWKX91AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	05/10-05/18/07	JWKX91AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	05/10-05/18/07	JWKX91AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N508

DISSOLVED Metals

Lot-Sample #...: F7E090256-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	05/10-05/18/07	JWKX91AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWKX91AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N518

DISSOLVED Metals

Lot-Sample #...: F7E090256-013 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/10-05/16/07	JWK0E1AA
Barium	**87.8 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/10-05/16/07**	**JWK0E1AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/10-05/16/07	JWK0E1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/10-05/16/07	JWK0E1AE
Calcium	**76900 N**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/10-05/16/07**	**JWK0E1AF**
Chromium	**41.9**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/10-05/16/07**	**JWK0E1AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWK0E1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/10-05/16/07	JWK0E1AJ
Iron	**37.2 B**	**100** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 25.0	**05/10-05/18/07**	**JWK0E1AK**
Magnesium	**26200**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/10-05/16/07**	**JWK0E1AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/10-05/16/07	JWK0E1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/10-05/16/07	JWK0E1AN
Potassium	**7040**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/10-05/18/07**	**JWK0E1AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/10-05/16/07	JWK0E1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N518

DISSOLVED Metals

Lot-Sample #...: F7E090256-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	134000	5000	ug/L	SW846 6010B	05/10-05/18/07	JWK0E1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	395	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWK0E1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	31.8 B	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWK0E1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWK0E1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N543

DISSOLVED Metals

Lot-Sample #...: F7E090256-015 **Matrix.....: WATER**
Date Sampled...: 05/08/07 **Date Received..: 05/09/07**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/10-05/16/07	JWK0J1AA
Barium	**120 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/10-05/16/07**	**JWK0J1AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/10-05/16/07	JWK0J1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/10-05/16/07	JWK0J1AE
Calcium	**87800 N**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/10-05/16/07**	**JWK0J1AF**
Chromium	**143**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/10-05/16/07**	**JWK0J1AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWK0J1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/10-05/16/07	JWK0J1AJ
Iron	**43.4 B**	**100** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 25.0	**05/10-05/18/07**	**JWK0J1AK**
Magnesium	**29200**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/10-05/16/07**	**JWK0J1AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/10-05/16/07	JWK0J1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/10-05/16/07	JWK0J1AN
Potassium	**7180**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/10-05/18/07**	**JWK0J1AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/10-05/16/07	JWK0J1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N543

DISSOLVED Metals

Lot-Sample #...: F7E090256-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**237000**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWK0J1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**389**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWK0J1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**23.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWK0J1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWK0J1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N548

DISSOLVED Metals

Lot-Sample #...: F7E090256-017 Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7130360						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/10-05/16/07	JWK0P1AA
Barium	83.4 B	200 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWK0P1AC
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/10-05/16/07	JWK0P1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/10-05/16/07	JWK0P1AE
Calcium	50000 N	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 36.0	05/10-05/16/07	JWK0P1AF
Chromium	144	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 3.1	05/10-05/16/07	JWK0P1AG
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/10-05/16/07	JWK0P1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/10-05/16/07	JWK0P1AJ
Iron	ND	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	05/10-05/18/07	JWK0P1AK
Magnesium	16600	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 108	05/10-05/16/07	JWK0P1AL
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/10-05/16/07	JWK0P1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/10-05/16/07	JWK0P1AN
Potassium	9350	5000 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 1500	05/10-05/18/07	JWK0P1AP
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/10-05/16/07	JWK0P1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N548

DISSOLVED Metals

Lot-Sample #...: F7E090256-017 **Matrix.....: WATER**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**321000**	**5000**	**ug/L**	**SW846 6010B**	**05/10-05/18/07**	**JWK0P1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**236**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWK0P1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**51.2**	**50.0**	**ug/L**	**SW846 6010B**	**05/10-05/16/07**	**JWK0P1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWK0P1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5J1

DISSOLVED Metals

Lot-Sample #...: F7E100283-001 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**37.0 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**29500**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	05/14-05/22/07	JWN0R1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10100**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6150**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN0R1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN0R1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5J1

DISSOLVED Metals

Lot-Sample #...: F7E100283-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19100 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN0R1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**115**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**26.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN0R1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN0R1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits

Pacific Northwest National Laboratory

Client Sample ID: B1N5H1

DISSOLVED Metals

Lot-Sample #...: F7E100283-003 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**26.6 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**25400**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**31.1 B**	**100**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN011AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8170**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5810**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN011AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN011AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5H1

DISSOLVED Metals

Lot-Sample #...: F7E100283-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**22600 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN011AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**102**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**26.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN011AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN011AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5H6

DISSOLVED Metals

Lot-Sample #...: F7E100283-005 **Matrix.....: WATER**
Date Sampled...: 05/09/07 **Date Received..: 05/10/07**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**56.0 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**32100**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**7.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**90.8 B**	**100**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN1G1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10800**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**22.1**	**15.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**33.3 B**	**40.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6360**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN1G1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1G1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5H6

DISSOLVED Metals

Lot-Sample #...: F7E100283-005 **Matrix.....: WATER**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19600 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN1G1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**125**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**10.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1G1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN1G1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5C7

DISSOLVED Metals

Lot-Sample #...: F7E100283-007 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**57.5 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1V1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**54500**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1V1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**6.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1V1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	05/14-05/22/07	JWN1V1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**18000**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN1V1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7900**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN1V1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5C7

DISSOLVED Metals

Lot-Sample #...: F7E100283-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	41000 N	5000	ug/L	SW846 6010B	05/14-05/22/07	JWN1V1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	217	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	20.4 B	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN1V1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	11.1 B	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN1V1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5P2

DISSOLVED Metals

Lot-Sample #...: F7E100283-009 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**92.5 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN2H1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**92700**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN2H1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**31.7 B**	**100**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN2H1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**19800**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN2H1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**27.7 B**	**40.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN2H1AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**11200**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN2H1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5P2

DISSOLVED Metals

Lot-Sample #...: F7E100283-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	25400 N	5000	ug/L	SW846 6010B	05/14-05/22/07	JWN2H1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	375	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	10.5 B	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN2H1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN2H1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7134292						
Arsenic	ND	10.0	ug/L	SW846 6020	05/14-05/25/07	JWN2H1AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5C2

DISSOLVED Metals

Lot-Sample #...: F7E100283-011 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/14-05/16/07	JWN531AA
Barium	**93.3 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/14-05/16/07**	**JWN531AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/14-05/16/07	JWN531AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/14-05/16/07	JWN531AE
Calcium	**78400**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/14-05/16/07**	**JWN531AF**
Chromium	**7.1 B**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/14-05/16/07**	**JWN531AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/14-05/16/07	JWN531AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/14-05/16/07	JWN531AJ
Iron	**72.9 B**	**100** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 25.0	**05/14-05/22/07**	**JWN531AK**
Magnesium	**28100**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/14-05/16/07**	**JWN531AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/14-05/16/07	JWN531AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/14-05/16/07	JWN531AN
Potassium	**9190**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/14-05/22/07**	**JWN531AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/14-05/16/07	JWN531AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5C2

DISSOLVED Metals

Lot-Sample #...: F7E100283-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**26700 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN531AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**335**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN531AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**16.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN531AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN531AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5B7

DISSOLVED Metals

Lot-Sample #...: F7E100283-013 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/14-05/16/07	JWN6G1AA
Barium	**58.4 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/14-05/16/07**	**JWN6G1AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/14-05/16/07	JWN6G1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/14-05/16/07	JWN6G1AE
Calcium	**63000**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/14-05/16/07**	**JWN6G1AF**
Chromium	**4.6 B**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/14-05/16/07**	**JWN6G1AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/14-05/16/07	JWN6G1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/14-05/16/07	JWN6G1AJ
Iron	ND	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	05/14-05/22/07	JWN6G1AK
Magnesium	**21200**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/14-05/16/07**	**JWN6G1AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/14-05/16/07	JWN6G1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/14-05/16/07	JWN6G1AN
Potassium	**7210**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/14-05/22/07**	**JWN6G1AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/14-05/16/07	JWN6G1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5B7

DISSOLVED Metals

Lot-Sample #...: F7E100283-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**25200 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN6G1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**250**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN6G1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**19.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN6G1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN6G1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N5L6

DISSOLVED Metals

Lot-Sample #...: F7E100283-015 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/14-05/16/07	JWN6T1AA
Barium	**40.3 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/14-05/16/07**	**JWN6T1AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/14-05/16/07	JWN6T1AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/14-05/16/07	JWN6T1AE
Calcium	**37300**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/14-05/16/07**	**JWN6T1AF**
Chromium	**4.2 B**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/14-05/16/07**	**JWN6T1AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/14-05/16/07	JWN6T1AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/14-05/16/07	JWN6T1AJ
Iron	ND	100 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 25.0	05/14-05/22/07	JWN6T1AK
Magnesium	**12400**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/14-05/16/07**	**JWN6T1AL**
Manganese	ND	15.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.5	05/14-05/16/07	JWN6T1AM
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/14-05/16/07	JWN6T1AN
Potassium	**6560**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/14-05/22/07**	**JWN6T1AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/14-05/16/07	JWN6T1AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N5L6

DISSOLVED Metals

Lot-Sample #...: F7E100283-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**21200 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN6T1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**147**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN6T1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**23.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN6T1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN6T1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N576

DISSOLVED Metals

Lot-Sample #...: F7E100283-017 Matrix.....: WATER
Date Sampled...: 05/09/07 Date Received..: 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 44.8	05/14-05/16/07	JWN651AA
Barium	**167 B**	**200** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 5.0	**05/14-05/16/07**	**JWN651AC**
Beryllium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 0.51	05/14-05/16/07	JWN651AD
Cadmium	ND	5.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.3	05/14-05/16/07	JWN651AE
Calcium	**91400**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 36.0	**05/14-05/16/07**	**JWN651AF**
Chromium	**48.4**	**10.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 3.1	**05/14-05/16/07**	**JWN651AG**
Cobalt	ND	50.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.0	05/14-05/16/07	JWN651AH
Copper	ND	25.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 2.8	05/14-05/16/07	JWN651AJ
Iron	**29.0 B**	**100** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 25.0	**05/14-05/22/07**	**JWN651AK**
Magnesium	**32300**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 108	**05/14-05/16/07**	**JWN651AL**
Manganese	**171**	**15.0** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 2.5	**05/14-05/16/07**	**JWN651AM**
Nickel	ND	40.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 7.5	05/14-05/16/07	JWN651AN
Potassium	**11100**	**5000** Dilution Factor: 1	**ug/L**	**SW846 6010B** MDL.....: 1500	**05/14-05/22/07**	**JWN651AP**
Silver	ND	10.0 Dilution Factor: 1	ug/L	SW846 6010B MDL.....: 5.2	05/14-05/16/07	JWN651AQ

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N576

DISSOLVED Metals

Lot-Sample #...: F7E100283-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**167000 N**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN651AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**445**	**50.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN651AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN651AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**10.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**05/14-05/17/07**	**JWN651AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N580

DISSOLVED Metals

Lot-Sample #...: F7E100283-019 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**167 B**	**200**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN7G1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**91600**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN7G1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**47.9**	**10.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN7G1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**27.2 B**	**100**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN7G1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**32400**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN7G1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**173**	**15.0**	**ug/L**	**SW846 6010B**	**05/14-05/16/07**	**JWN7G1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**12300**	**5000**	**ug/L**	**SW846 6010B**	**05/14-05/22/07**	**JWN7G1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N580

DISSOLVED Metals

Lot-Sample #...: F7E100283-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	168000 N	5000	ug/L	SW846 6010B	05/14-05/22/07	JWN7G1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	445	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWN7G1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWN7G1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7E100000-360 **Prep Batch #...:** 7130360						
Antimony	ND	60.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	05/10-05/18/07	JWNM41AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	05/10-05/18/07	JWNM41AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	05/10-05/18/07	JWNM41AR
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	05/10-05/16/07	JWNM41AV
		Dilution Factor: 1				
MB Lot-Sample #: F7E140000-291 **Prep Batch #...:** 7134291						
Antimony	ND	60.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	05/14-05/22/07	JWW9K1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AN
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6010B	05/14-05/22/07	JWW9K1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	05/14-05/22/07	JWW9K1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	05/14-05/16/07	JWW9K1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	05/14-05/17/07	JWW9K1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7E140000-292 **Prep Batch #...:** 7134292

Arsenic	ND	10.0	ug/L	SW846 6020	05/14-05/25/07	JWW9X1AA
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7E100000-360 **Prep Batch #...:** 7130360							
Antimony	500	491	ug/L	98	SW846 6010B	05/10-05/16/07	JWNM41AW
			Dilution Factor: 1				
Barium	500	518	ug/L	104	SW846 6010B	05/10-05/16/07	JWNM41AX
			Dilution Factor: 1				
Beryllium	500	544	ug/L	109	SW846 6010B	05/10-05/16/07	JWNM41A0
			Dilution Factor: 1				
Cadmium	500	532	ug/L	106	SW846 6010B	05/10-05/16/07	JWNM41A1
			Dilution Factor: 1				
Calcium	10000	10900	ug/L	109	SW846 6010B	05/10-05/16/07	JWNM41A2
			Dilution Factor: 1				
Chromium	500	526	ug/L	105	SW846 6010B	05/10-05/16/07	JWNM41A3
			Dilution Factor: 1				
Cobalt	500	517	ug/L	103	SW846 6010B	05/10-05/16/07	JWNM41A4
			Dilution Factor: 1				
Copper	500	510	ug/L	102	SW846 6010B	05/10-05/16/07	JWNM41A5
			Dilution Factor: 1				
Iron	500	560	ug/L	112	SW846 6010B	05/10-05/18/07	JWNM41A6
			Dilution Factor: 1				
Magnesium	10000	10900	ug/L	109	SW846 6010B	05/10-05/16/07	JWNM41A7
			Dilution Factor: 1				
Manganese	500	530	ug/L	106	SW846 6010B	05/10-05/16/07	JWNM41A8
			Dilution Factor: 1				
Nickel	500	516	ug/L	103	SW846 6010B	05/10-05/16/07	JWNM41A9
			Dilution Factor: 1				
Potassium	10000	11900	ug/L	119	SW846 6010B	05/10-05/18/07	JWNM41CA
			Dilution Factor: 1				
Silver	125	129	ug/L	103	SW846 6010B	05/10-05/16/07	JWNM41CC
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	11200	ug/L	112	SW846 6010B	05/10-05/18/07	JWNM41CD
		Dilution Factor: 1					
Strontium	500	537	ug/L	107	SW846 6010B	05/10-05/16/07	JWNM41CE
		Dilution Factor: 1					
Vanadium	500	517	ug/L	103	SW846 6010B	05/10-05/16/07	JWNM41CF
		Dilution Factor: 1					
Zinc	500	492	ug/L	98	SW846 6010B	05/10-05/16/07	JWNM41CG
		Dilution Factor: 1					
LCS Lot-Sample#: F7E140000-291 **Prep Batch #...:** 7134291							
Antimony	500	460	ug/L	92	SW846 6010B	05/14-05/16/07	JWW9K1AW
		Dilution Factor: 1					
Barium	500	455	ug/L	91	SW846 6010B	05/14-05/16/07	JWW9K1AX
		Dilution Factor: 1					
Beryllium	500	475	ug/L	95	SW846 6010B	05/14-05/16/07	JWW9K1A0
		Dilution Factor: 1					
Cadmium	500	467	ug/L	93	SW846 6010B	05/14-05/16/07	JWW9K1A1
		Dilution Factor: 1					
Calcium	10000	9660	ug/L	97	SW846 6010B	05/14-05/16/07	JWW9K1A2
		Dilution Factor: 1					
Chromium	500	463	ug/L	93	SW846 6010B	05/14-05/16/07	JWW9K1A3
		Dilution Factor: 1					
Cobalt	500	455	ug/L	91	SW846 6010B	05/14-05/16/07	JWW9K1A4
		Dilution Factor: 1					
Copper	500	446	ug/L	89	SW846 6010B	05/14-05/16/07	JWW9K1A5
		Dilution Factor: 1					
Iron	500	719 N	ug/L	144	SW846 6010B	05/14-05/23/07	JWW9K1A6
		Dilution Factor: 1					
Magnesium	10000	9750	ug/L	97	SW846 6010B	05/14-05/16/07	JWW9K1A7
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	500	466	ug/L	93	SW846 6010B	05/14-05/16/07	JWW9K1A8
			Dilution Factor: 1				
Nickel	500	453	ug/L	91	SW846 6010B	05/14-05/16/07	JWW9K1A9
			Dilution Factor: 1				
Potassium	10000	10000	ug/L	100	SW846 6010B	05/14-05/23/07	JWW9K1CA
			Dilution Factor: 1				
Silver	125	113	ug/L	90	SW846 6010B	05/14-05/16/07	JWW9K1CC
			Dilution Factor: 1				
Sodium	10000	10900	ug/L	109	SW846 6010B	05/14-05/23/07	JWW9K1CD
			Dilution Factor: 1				
Strontium	500	471	ug/L	94	SW846 6010B	05/14-05/16/07	JWW9K1CE
			Dilution Factor: 1				
Vanadium	500	455	ug/L	91	SW846 6010B	05/14-05/16/07	JWW9K1CF
			Dilution Factor: 1				
Zinc	500	458	ug/L	92	SW846 6010B	05/14-05/17/07	JWW9K1CG
			Dilution Factor: 1				
LCS Lot-Sample#: F7E140000-292 **Prep Batch #...:** 7134292							
Arsenic	500	504	ug/L	101	SW846 6020	05/14-05/25/07	JWW9X1AC
			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.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7E090256-001 **Prep Batch #...:** 7130360									
Antimony									
	ND	250	246	ug/L	98		SW846 6010B	05/10-05/16/07	JWKWF1AW
	ND	250	249	ug/L	100	1.1	SW846 6010B	05/10-05/16/07	JWKWF1AX
			Dilution Factor: 1						
Barium									
	380	1000	1320	ug/L	94		SW846 6010B	05/10-05/16/07	JWKWF1A0
	380	1000	1350	ug/L	97	1.8	SW846 6010B	05/10-05/16/07	JWKWF1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	25.5	ug/L	102		SW846 6010B	05/10-05/16/07	JWKWF1A2
	ND	25.0	25.9	ug/L	104	1.6	SW846 6010B	05/10-05/16/07	JWKWF1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	23.6	ug/L	94		SW846 6010B	05/10-05/16/07	JWKWF1A4
	ND	25.0	24.0	ug/L	96	1.8	SW846 6010B	05/10-05/16/07	JWKWF1A5
			Dilution Factor: 1						
Calcium									
	322000	25000	339000	ug/L	68		SW846 6010B	05/10-05/16/07	JWKWF1A6
			Qualifiers: N						
	322000	25000	350000	ug/L	110	3.1	SW846 6010B	05/10-05/16/07	JWKWF1A7
			Dilution Factor: 1						
Chromium									
	98.8	100	193	ug/L	95		SW846 6010B	05/10-05/16/07	JWKWF1A8
	98.8	100	198	ug/L	99	2.2	SW846 6010B	05/10-05/16/07	JWKWF1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	230	ug/L	92		SW846 6010B	05/10-05/16/07	JWKWF1CA
	ND	250	234	ug/L	94	1.7	SW846 6010B	05/10-05/16/07	JWKWF1CC
			Dilution Factor: 1						
Copper									
	ND	125	119	ug/L	95		SW846 6010B	05/10-05/16/07	JWKWF1CD
	ND	125	122	ug/L	97	2.1	SW846 6010B	05/10-05/16/07	JWKWF1CE
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	50.1	500	566	ug/L	103		SW846 6010B	05/10-05/18/07	JWKWF1CF
	50.1	500	561	ug/L	102	0.81	SW846 6010B	05/10-05/18/07	JWKWF1CG
			Dilution Factor: 1						
Magnesium									
	100000	25000	122000	ug/L	86		SW846 6010B	05/10-05/16/07	JWKWF1CH
	100000	25000	126000	ug/L	101	2.9	SW846 6010B	05/10-05/16/07	JWKWF1CJ
			Dilution Factor: 1						
Manganese									
	ND	250	236	ug/L	95		SW846 6010B	05/10-05/16/07	JWKWF1CK
	ND	250	240	ug/L	96	1.6	SW846 6010B	05/10-05/16/07	JWKWF1CL
			Dilution Factor: 1						
Nickel									
	ND	250	228	ug/L	91		SW846 6010B	05/10-05/16/07	JWKWF1CM
	ND	250	234	ug/L	93	2.3	SW846 6010B	05/10-05/16/07	JWKWF1CN
			Dilution Factor: 1						
Potassium									
	13400	25000	41200	ug/L	111		SW846 6010B	05/10-05/18/07	JWKWF1CP
	13400	25000	41200	ug/L	111	0.05	SW846 6010B	05/10-05/18/07	JWKWF1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	24.9	ug/L	100		SW846 6010B	05/10-05/16/07	JWKWF1CR
	ND	25.0	26.0	ug/L	104	4.4	SW846 6010B	05/10-05/16/07	JWKWF1CT
			Dilution Factor: 1						
Sodium									
	180000	25000	204000	ug/L	96		SW846 6010B	05/10-05/18/07	JWKWF1CU
	180000	25000	206000	ug/L	102	0.73	SW846 6010B	05/10-05/18/07	JWKWF1CV
			Dilution Factor: 1						
Strontium									
	1590	500	2040	ug/L	91		SW846 6010B	05/10-05/16/07	JWKWF1CW
	1590	500	2100	ug/L	102	2.8	SW846 6010B	05/10-05/16/07	JWKWF1CX
			Dilution Factor: 1						
Vanadium									
	10.2	250	250	ug/L	96		SW846 6010B	05/10-05/16/07	JWKWF1C0
	10.2	250	258	ug/L	99	3.0	SW846 6010B	05/10-05/16/07	JWKWF1C1
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	233	ug/L	93		SW846 6010B	05/10-05/16/07	JWKWF1C2
	ND	250	237	ug/L	95	1.5	SW846 6010B	05/10-05/16/07	JWKWF1C3

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.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7E100283-009 **Prep Batch #...:** 7134292									
Arsenic									
	ND	1000	987	ug/L	99		SW846 6020	05/14-05/25/07	JWN2H1AX
	ND	1000	978	ug/L	98	0.84	SW846 6020	05/14-05/25/07	JWN2H1A0

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 #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7E100283-019 **Prep Batch #...:** 7134291									
Antimony									
	ND	250	240	ug/L	96		SW846 6010B	05/14-05/16/07	JWN7G1AW
	ND	250	236	ug/L	94	1.7	SW846 6010B	05/14-05/16/07	JWN7G1AX
			Dilution Factor: 1						
Barium									
	167	1000	1100	ug/L	93		SW846 6010B	05/14-05/16/07	JWN7G1A0
	167	1000	1060	ug/L	89	3.4	SW846 6010B	05/14-05/16/07	JWN7G1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	25.2	ug/L	101		SW846 6010B	05/14-05/16/07	JWN7G1A2
	ND	25.0	24.5	ug/L	98	3.0	SW846 6010B	05/14-05/16/07	JWN7G1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	23.6	ug/L	94		SW846 6010B	05/14-05/16/07	JWN7G1A4
	ND	25.0	22.9	ug/L	92	3.0	SW846 6010B	05/14-05/16/07	JWN7G1A5
			Dilution Factor: 1						
Calcium									
	91600	25000	115000	ug/L	92		SW846 6010B	05/14-05/16/07	JWN7G1A6
	91600	25000	111000	ug/L	77	3.4	SW846 6010B	05/14-05/16/07	JWN7G1A7
			Dilution Factor: 1						
Chromium									
	47.9	100	143	ug/L	96		SW846 6010B	05/14-05/16/07	JWN7G1A8
	47.9	100	139	ug/L	91	3.2	SW846 6010B	05/14-05/16/07	JWN7G1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	232	ug/L	93		SW846 6010B	05/14-05/16/07	JWN7G1CA
	ND	250	224	ug/L	90	3.5	SW846 6010B	05/14-05/16/07	JWN7G1CC
			Dilution Factor: 1						
Copper									
	ND	125	117	ug/L	94		SW846 6010B	05/14-05/16/07	JWN7G1CD
	ND	125	112	ug/L	90	4.2	SW846 6010B	05/14-05/16/07	JWN7G1CE
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	27.2	500	569	ug/L	108		SW846 6010B	05/14-05/22/07	JWN7G1CF
	27.2	500	570	ug/L	109	0.33	SW846 6010B	05/14-05/22/07	JWN7G1CG
			Dilution Factor: 1						
Magnesium									
	32400	25000	56100	ug/L	95		SW846 6010B	05/14-05/16/07	JWN7G1CH
	32400	25000	54200	ug/L	87	3.4	SW846 6010B	05/14-05/16/07	JWN7G1CJ
			Dilution Factor: 1						
Manganese									
	173	250	408	ug/L	94		SW846 6010B	05/14-05/16/07	JWN7G1CK
	173	250	394	ug/L	89	3.4	SW846 6010B	05/14-05/16/07	JWN7G1CL
			Dilution Factor: 1						
Nickel									
	ND	250	236	ug/L	94		SW846 6010B	05/14-05/16/07	JWN7G1CM
	ND	250	226	ug/L	90	4.6	SW846 6010B	05/14-05/16/07	JWN7G1CN
			Dilution Factor: 1						
Potassium									
	12300	25000	36800	ug/L	98		SW846 6010B	05/14-05/22/07	JWN7G1CP
	12300	25000	37900	ug/L	102	2.9	SW846 6010B	05/14-05/22/07	JWN7G1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	23.4	ug/L	93		SW846 6010B	05/14-05/16/07	JWN7G1CR
	ND	25.0	22.2	ug/L	89	5.2	SW846 6010B	05/14-05/16/07	JWN7G1CT
			Dilution Factor: 1						
Sodium									
	168000	25000	180000	ug/L	49		SW846 6010B	05/14-05/22/07	JWN7G1CU
			Qualifiers: N						
	168000	25000	184000	ug/L	63	1.9	SW846 6010B	05/14-05/22/07	JWN7G1CV
			Qualifiers: N						
			Dilution Factor: 1						
Strontium									
	445	500	919	ug/L	95		SW846 6010B	05/14-05/16/07	JWN7G1CW
	445	500	890	ug/L	89	3.2	SW846 6010B	05/14-05/16/07	JWN7G1CX
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	ND	250	243	ug/L	97		SW846 6010B	05/14-05/16/07	JWN7G1C0
	ND	250	235	ug/L	94	3.3	SW846 6010B	05/14-05/16/07	JWN7G1C1
			Dilution Factor: 1						
Zinc									
	ND	250	236	ug/L	94		SW846 6010B	05/14-05/17/07	JWN7G1C2
	ND	250	240	ug/L	96	1.5	SW846 6010B	05/14-05/17/07	JWN7G1C3
			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.

WET CHEMISTRY

Pacific Northwest National Laboratory

Client Sample ID: B1N4X5

General Chemistry

Lot-Sample #...: F7E090256-002 Work Order #...: JWKWR Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	33.4 D	4.0	mg/L	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	1.5 N	0.10	mg/L	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	375 D	20.0	mg/L	MCAWW 300.0A	05/09/07	7130193
		Dilution Factor: 1000		MDL.....: 4.0		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	48.2 D	10.0	mg/L	MCAWW 300.0A	05/09/07	7130191
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N514

General Chemistry

Lot-Sample #...: F7E090256-004 **Work Order #...:** JWKXG **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**33.7 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130189**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**2.3 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130190**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**64.1 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 200		MDL.....: 0.80		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**88.3 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130191**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N556

General Chemistry

Lot-Sample #...: F7E090256-006 **Work Order #...:** JWKXP **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**30.8 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130189**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**2.5 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130190**
		Dilution Factor: 20		MDL.....: 0.40		
Nitrate	**106 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 200		MDL.....: 0.80		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**89.8 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130191**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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: B1N500

General Chemistry

Lot-Sample #...: P7E090256-008 **Work Order #...:** JWKXX **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.5 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130189**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**3.7 DN**	**1.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130190**
		Dilution Factor: 10		MDL.....: 0.20		
Nitrate	**44.4 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 100		MDL.....: 0.40		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**56.6 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130191**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1N505

General Chemistry

Lot-Sample #...: F7E090256-010 Work Order #...: JWKX7 Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	51.6 D	4.0	mg/L	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.40 N	0.10	mg/L	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	17.9 D	1.0	mg/L	MCAWW 300.0A	05/09/07	7130193
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	94.1 D	10.0	mg/L	MCAWW 300.0A	05/09/07	7130191
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1N509

General Chemistry

Lot-Sample #...: F7E090256-012 **Work Order #...:** JWK0C **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	0.20	mg/L	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND N	0.10	mg/L	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.0083 B**	**0.020**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	05/09/07	7130191
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1N519

General Chemistry

Lot-Sample #...: F7E090256-014 **Work Order #...:** JWK0G **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**40.2 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130189**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**2.6 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130190**
		Dilution Factor: 20		MDL.....: 0.40		
Nitrate	**53.8 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 100		MDL.....: 0.40		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**155 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130191**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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: B1N544

General Chemistry

Lot-Sample #...: F7E090256-016 Work Order #...: JWKOM Matrix.....: WATER
Date Sampled...: 05/08/07 Date Received..: 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	28.3 D	2.0	mg/L	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	1.9 DN	1.0	mg/L	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 10		MDL.....: 0.20		
Nitrate	183 D	10.0	mg/L	MCAWW 300.0A	05/09/07	7130193
		Dilution Factor: 500		MDL.....: 2.0		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	67.1 D	5.0	mg/L	MCAWW 300.0A	05/09/07	7130191
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1N549

General Chemistry

Lot-Sample #...: F7E090256-018 **Work Order #...:** JWK0V **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**25.8 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130189**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**2.6 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130190**
		Dilution Factor: 20		MDL.....: 0.40		
Nitrate	**202 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130193**
		Dilution Factor: 500		MDL.....: 2.0		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**46.7 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/09/07**	**7130191**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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: B1N5J2

General Chemistry

Lot-Sample #...: F7E100283-002 **Work Order #...:** JWN0W **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**8.8 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.43 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**7.3 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**19.2 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5H2

General Chemistry

Lot-Sample #...: F7E100283-004 **Work Order #...:** JWN03 **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**6.2 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.40 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**5.4 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**18.8 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5H7

General Chemistry

Lot-Sample #...: F7E100283-006 **Work Order #...:** JWN1N **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**10.7 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.40 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**9.3 D**	**0.40**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**21.9 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5C8

General Chemistry

Lot-Sample #...: F7E100283-008 **Work Order #...:** JWN2E **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	33.2 D	4.0	mg/L	MCAWW 300.0A	05/10/07	7131055
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	1.2 N	0.10	mg/L	MCAWW 300.0A	05/10/07	7131056
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	23.7 D	1.0	mg/L	MCAWW 300.0A	05/10/07	7131059
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	38.5 DN	10.0	mg/L	MCAWW 300.0A	05/10/07	7131057
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5P3

General Chemistry

Lot-Sample #...: F7E100283-010 **Work Order #...:** JWN3E **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**6.3 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 10		MDL.....: 0.23		
COD	ND	10.0	mg/L	MCAWW 410.4	05/11/07	7131062
		Dilution Factor: 1		MDL.....: 14.4		
Fluoride	**0.37 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**2.9 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrogen, as Ammonia	**6.7 B,C**	**50.0**	**ug/L**	**MCAWW 350.1**	**05/11/07**	**7131095**
		Dilution Factor: 1		MDL.....: 5.0		
Sulfate	**45.0 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 10		MDL.....: 0.50		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/16/07	7132169
		Dilution Factor: 1		MDL.....: 0.76		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

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

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5C3

General Chemistry

Lot-Sample #...: F7E100283-012 **Work Order #...: JWN59** **Matrix.....: WATER**
Date Sampled...: 05/09/07 **Date Received..: 05/10/07**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**38.2 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.32 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**31.3 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 100		MDL.....: 0.40		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**47.6 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5B8

General Chemistry

Lot-Sample #...: F7E100283-014 **Work Order #...:** JWN6M **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**41.6 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.51 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**23.5 D**	**1.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**31.7 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N5L7

General Chemistry

Lot-Sample #...: F7E100283-016 Work Order #...: JWN60 Matrix.....: WATER
Date Sampled...: 05/09/07 Date Received..: 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	25.3 D	2.0	mg/L	MCAWW 300.0A	05/10/07	7131055
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	0.47 N	0.10	mg/L	MCAWW 300.0A	05/10/07	7131056
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	7.7 D	0.20	mg/L	MCAWW 300.0A	05/10/07	7131059
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	28.6 DN	5.0	mg/L	MCAWW 300.0A	05/10/07	7131057
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N577

General Chemistry

Lot-Sample #...: F7E100283-018 **Work Order #...:** JWN7C **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**34.4 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.67 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**132 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 500		MDL.....: 2.0		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**63.7 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1N581

General Chemistry

Lot-Sample #...: F7E100283-020 **Work Order #...:** JWN7Q **Matrix.....:** WATER
Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**34.2 D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131055**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.67 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131056**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**137 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131059**
		Dilution Factor: 500		MDL.....: 2.0		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**63.2 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**05/10/07**	**7131057**
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JW1HA1AA		MB Lot-Sample #:	F7E100000-189	
	ND	0.20	mg/L	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 1				
Chloride		Work Order #: JW1V71AA		MB Lot-Sample #:	F7E110000-055	
	ND	0.20	mg/L	MCAWW 300.0A	05/10/07	7131055
		Dilution Factor: 1				
COD		Work Order #: JWQRQ1AA		MB Lot-Sample #:	F7E110000-062	
	ND	10.0	mg/L	MCAWW 410.4	05/11/07	7131062
		Dilution Factor: 1				
Fluoride		Work Order #: JW1HG1AA		MB Lot-Sample #:	F7E100000-190	
	ND	0.10	mg/L	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 1				
Fluoride		Work Order #: JW1WA1AA		MB Lot-Sample #:	F7E110000-056	
	ND	0.10	mg/L	MCAWW 300.0A	05/10/07	7131056
		Dilution Factor: 1				
Nitrate		Work Order #: JW1H21AA		MB Lot-Sample #:	F7E100000-193	
	ND	0.020	mg/L	MCAWW 300.0A	05/09/07	7130193
		Dilution Factor: 1				
Nitrate		Work Order #: JW1WR1AA		MB Lot-Sample #:	F7E110000-059	
	ND	0.020	mg/L	MCAWW 300.0A	05/10/07	7131059
		Dilution Factor: 1				
Nitrite		Work Order #: JW1HW1AA		MB Lot-Sample #:	F7E100000-192	
	ND	0.020	mg/L	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1				
Nitrite		Work Order #: JW1WL1AA		MB Lot-Sample #:	F7E110000-058	
	ND	0.020	mg/L	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1				
Nitrogen, as Ammonia		Work Order #: JWQJF1AA		MB Lot-Sample #:	F7E110000-095	
	11.9 B	**50.0**	**ug/L**	**MCAWW 350.1**	**05/11/07**	**7131095**
		Dilution Factor: 1				
Sulfate		Work Order #: JW1HL1AA		MB Lot-Sample #:	F7E100000-191	
	ND	0.50	mg/L	MCAWW 300.0A	05/09/07	7130191
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL692 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: JW1XW1AA		MB Lot-Sample #: F7E110000-057		
	ND	0.50	mg/L	MCAWW 300.0A	05/10/07	7131057
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JW0MG1AA		MB Lot-Sample #: F7E120000-169		
	ND	1.0	mg/L	SW846 9060	05/15/07	7132169
		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 #...: SL692 **Matrix.....: WATER**

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:JW1HA1AC-LCS/JW1HA1AD-LCSD				LCS Lot-Sample#: F7E100000-189		
	2.00	1.92	mg/L	96		MCAWW 300.0A	05/09/07	7130189
	2.00	1.92	mg/L	96	0.48	MCAWW 300.0A	05/09/07	7130189
		Dilution Factor: 1						
Chloride		WO#:JW1V71AC-LCS/JW1V71AD-LCSD				LCS Lot-Sample#: F7E110000-055		
	2.00	1.83	mg/L	92		MCAWW 300.0A	05/10/07	7131055
	2.00	1.88	mg/L	94	2.4	MCAWW 300.0A	05/10/07	7131055
		Dilution Factor: 1						
Fluoride		WO#:JW1HG1AC-LCS/JW1HG1AD-LCSD				LCS Lot-Sample#: F7E100000-190		
	1.00	0.949	mg/L	95		MCAWW 300.0A	05/09/07	7130190
	1.00	0.934	mg/L	93	1.6	MCAWW 300.0A	05/09/07	7130190
		Dilution Factor: 1						
Fluoride		WO#:JW1WA1AC-LCS/JW1WA1AD-LCSD				LCS Lot-Sample#: F7E110000-056		
	1.00	1.03	mg/L	103		MCAWW 300.0A	05/10/07	7131056
	1.00	0.947	mg/L	95	8.2	MCAWW 300.0A	05/10/07	7131056
		Dilution Factor: 1						
Nitrate		WO#:JW1H21AC-LCS/JW1H21AD-LCSD				LCS Lot-Sample#: F7E100000-193		
	0.400	0.395	mg/L	99		MCAWW 300.0A	05/09/07	7130193
	0.400	0.379	mg/L	95	4.0	MCAWW 300.0A	05/09/07	7130193
		Dilution Factor: 1						
Nitrate		WO#:JW1WR1AC-LCS/JW1WR1AD-LCSD				LCS Lot-Sample#: F7E110000-059		
	0.400	0.394	mg/L	98		MCAWW 300.0A	05/10/07	7131059
	0.400	0.397	mg/L	99	0.70	MCAWW 300.0A	05/10/07	7131059
		Dilution Factor: 1						
Nitrite		WO#:JW1HW1AC-LCS/JW1HW1AD-LCSD				LCS Lot-Sample#: F7E100000-192		
	0.160	0.147	mg/L	92		MCAWW 300.0A	05/09/07	7130192
	0.160	0.156	mg/L	98	6.0	MCAWW 300.0A	05/09/07	7130192
		Dilution Factor: 1						
Nitrite		WO#:JW1WL1AC-LCS/JW1WL1AD-LCSD				LCS Lot-Sample#: F7E110000-058		
	0.160	0.154	mg/L	96		MCAWW 300.0A	05/10/07	7131058
	0.160	0.145	mg/L	91	6.0	MCAWW 300.0A	05/10/07	7131058
		Dilution Factor: 1						

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL692 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia			WO#:JWQJF1AC-LCS/JWQJF1AD-LCSD			LCS Lot-Sample#: F7E110000-095		
	400	407	ug/L	102		MCAWW 350.1	05/11/07	7131095
	400	404	ug/L	101	0.68	MCAWW 350.1	05/11/07	7131095
			Dilution Factor: 1					
Sulfate			WO#:JW1HL1AC-LCS/JW1HL1AD-LCSD			LCS Lot-Sample#: F7E100000-191		
	8.00	7.58	mg/L	95		MCAWW 300.0A	05/09/07	7130191
	8.00	7.54	mg/L	94	0.53	MCAWW 300.0A	05/09/07	7130191
			Dilution Factor: 1					
Sulfate			WO#:JW1XW1AC-LCS/JW1XW1AD-LCSD			LCS Lot-Sample#: F7E110000-057		
	8.00	7.73	mg/L	97		MCAWW 300.0A	05/10/07	7131057
	8.00	7.82	mg/L	98	1.1	MCAWW 300.0A	05/10/07	7131057
			Dilution Factor: 1					
Total Organic Carbon			WO#:JW0MG1AC-LCS/JW0MG1AD-LCSD			LCS Lot-Sample#: F7E120000-169		
	6.00	5.90	mg/L	98		SW846 9060	05/15/07	7132169
	6.00	6.05	mg/L	101	2.5	SW846 9060	05/15/07	7132169
			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 #...: SL692 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
COD			Work Order #: JWQRQ1AC		LCS Lot-Sample#: F7E110000-062		
	500	470	mg/L	94	MCAWW 410.4	05/11/07	7131062
			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 #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: JWKWR1AH			MS Lot-Sample #: F7E090256-002		
	33.4	40.0	72.8 D	mg/L	98	MCAWW 300.0A	05/09/07	7130189
			Dilution Factor: 20					
Chloride			Work Order #...: JWN3E1AW			MS Lot-Sample #: F7E100283-010		
	6.3	20.0	24.5 D	mg/L	91	MCAWW 300.0A	05/10/07	7131055
			Dilution Factor: 10					
COD			Work Order #...: JWN3E1AR			MS Lot-Sample #: F7E100283-010		
	ND	500	472	mg/L	94	MCAWW 410.4	05/11/07	7131062
			Dilution Factor: 1					
Fluoride			Work Order #...: JWKWR1AJ			MS Lot-Sample #: F7E090256-002		
	1.5	2.00	3.88 N	mg/L	120	MCAWW 300.0A	05/09/07	7130190
			Dilution Factor: 1					
Fluoride			Work Order #...: JWN3E1A0			MS Lot-Sample #: F7E100283-010		
	0.37	2.00	2.65 N	mg/L	114	MCAWW 300.0A	05/10/07	7131056
			Dilution Factor: 1					
Nitrate			Work Order #...: JWKWR1AM			MS Lot-Sample #: F7E090256-002		
	375	400	773 D	mg/L	99	MCAWW 300.0A	05/09/07	7130193
			Dilution Factor: 1000					
Nitrate			Work Order #...: JWN3E1A4			MS Lot-Sample #: F7E100283-010		
	2.9	4.00	6.64 D	mg/L	93	MCAWW 300.0A	05/10/07	7131059
			Dilution Factor: 10					
Nitrite			Work Order #...: JWKWR1AL			MS Lot-Sample #: F7E090256-002		
	ND	0.100	0.320 N	mg/L	320	MCAWW 300.0A	05/09/07	7130192
			Dilution Factor: 1					
Nitrite			Work Order #...: JWN3E1A2			MS Lot-Sample #: F7E100283-010		
	ND	0.100	0.200 N	mg/L	200	MCAWW 300.0A	05/10/07	7131058
			Dilution Factor: 1					
Nitrogen, as Ammonia			Work Order #...: JWN3E1AQ			MS Lot-Sample #: F7E100283-010		
	6.7	500	499	ug/L	98	MCAWW 350.1	05/11/07	7131095
			Dilution Factor: 1					
Sulfate			Work Order #...: JWKWR1AK			MS Lot-Sample #: F7E090256-002		
	48.2	80.0	121 D	mg/L	91	MCAWW 300.0A	05/09/07	7130191
			Dilution Factor: 20					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL692 **Matrix.....:** WATER
Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			Work Order #...: JWN3E1A6			MS Lot-Sample #: F7E100283-010		
	45.0	40.0	78.8 N,D	mg/L	84	MCAWW 300.0A	05/10/07	7131057
			Dilution Factor: 10					
Total Organic Carbon			Work Order #...: JWN3E1AP			MS Lot-Sample #: F7E100283-010		
	ND	5.00	4.89	mg/L	98	SW846 9060	05/16/07	7132169
			Dilution Factor: 1					

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7E090256 **Work Order #...:** JWKWR-SMP JWKWR-DUP **Matrix.....:** WATER

Date Sampled...: 05/08/07 **Date Received..:** 05/09/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #: F7E090256-002		
	33.4 D	35.0 D	mg/L	4.7	(0-20)	MCAWW 300.0A	05/09/07	7130189
			Dilution Factor: 20					
Fluoride						SD Lot-Sample #: F7E090256-002		
	1.5 N	1.6 N	mg/L	9.3	(0-20)	MCAWW 300.0A	05/09/07	7130190
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #: F7E090256-002		
	48.2 D	50.7 D	mg/L	4.9	(0-20)	MCAWW 300.0A	05/09/07	7130191
			Dilution Factor: 20					
Nitrite						SD Lot-Sample #: F7E090256-002		
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	05/09/07	7130192
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #: F7E090256-002		
	375 D	383 D	mg/L	2.0	(0-20)	MCAWW 300.0A	05/09/07	7130193
			Dilution Factor: 1000					

JR 05-31-07

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7E090256 **Work Order #...:** JWN3E-SMP JWN3E-DUP **Matrix.....:** WATER

Date Sampled...: 05/09/07 **Date Received..:** 05/10/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #: F7E100283-010		
	6.3 D	7.4 D	mg/L	15	(0-20)	MCAWW 300.0A	05/10/07	7131055
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #: F7E100283-010		
	0.37 N	0.35 N	mg/L	3.7	(0-20)	MCAWW 300.0A	05/10/07	7131056
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #: F7E100283-010		
	45.0 DN	44.3 DN	mg/L	1.7	(0-20)	MCAWW 300.0A	05/10/07	7131057
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #: F7E100283-010		
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	05/10/07	7131058
			Dilution Factor: 1					
			05-31-07					
Nitrate						SD Lot-Sample #: F7E100283-010		
	2.9 D	2.8 D	mg/L	2.7	(0-20)	MCAWW 300.0A	05/10/07	7131059
			Dilution Factor: 10					
Total Organic Carbon						SD Lot-Sample #: F7E100283-010		
	ND	ND	mg/L	0	(0-20)	SW846 9060	05/16/07	7132169
			Dilution Factor: 1					
Nitrogen, as Ammonia						SD Lot-Sample #: F7E100283-010		
	6.7 B,C	6.7 B,C	ug/L	0.0	(0-20)	MCAWW 350.1	05/11/07	7131095
			Dilution Factor: 1					
COD						SD Lot-Sample #: F7E100283-010		
	ND	ND	mg/L	0	(0-20)	MCAWW 410.4	05/11/07	7131062
			Dilution Factor: 1					

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

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

B Estimated result. Result is less than RL.

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

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