

RECEIVED MAY 25, 2007

0077311

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

ANALYTICAL REPORT

S07-004

Lot #: F7D240227
SDG #: SL688

Pacific Northwest National Laboratory

Pacific Northwest National Lab
K6-96
P O Box 999
Richland, WA 99352

RECEIVED
MAY 21 2008

EDMC

SEVERN TRENT LABORATORIES, INC.

Jane M. K. Givis
for
Brian O'Donnell
Project Manager

May 25, 2007

CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
May 25, 2007
Attention: Dot Stewart

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

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

SDG	:	SL688
Number of Samples	:	72
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	May 8, 2007

II. Introduction

Between April 24, 2007 and April 28, 2007, seventy-two (72) water samples were received by STL St. Louis for chemical analysis. The samples were received within temperature criteria: See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

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

Deviation from Request: None

IV. Definitions

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

Pacific Northwest National Laboratories
May 25, 2007
SDG: SL688

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: S07-004, W07-004, W07-003, S07-003, I07-036.

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 RPD for one compound is not within method acceptance criteria. Its recoveries are acceptable.

Batch:

7120454

Affected Samples:

F7D260185 (1): B1MDV4

F7D260185 (3): B1MDV1

F7D260185 (2): B1MDT8

F7D260185 (4): B1MM58

The LCSD surrogate recovery for 4-Bromofluorobenzene exceeded the QC limit. The recoveries are acceptable.

The MSD was analyzed out of the BFB clock. The recoveries are within the QC limits.

Batch:

7121375

Affected Samples:

F7D260186 (1): B1MPP2

F7D260186 (10): B1MR62

F7D260186 (2): B1MPP8

F7D270256 (1): B1MPN1

F7D260186 (8): B1MR66

F7D270257 (1): B1MM59

Phenols by GC

The MSD recoveries for Dinoseb, 4-Nitrophenol, and Pentachlorophenol are outside the established QC limits. The RPDs are not within method acceptance criteria. There was insufficient sample to perform reparation/reanalysis.

The MS/MSD RPD is not within method acceptance criteria. MS/MSD recoveries are within QC limits except for Dinoseb, 4-Nitrophenol, and Pentachlorophenol (see above). There was insufficient sample to perform reparation/reanalysis.

Affected Samples:

F7D240236 (25): B1MNT4

Pacific Northwest National Laboratories
May 25, 2007
SDG: SL688

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

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

Pesticides

Reduced aliquots were used for the extraction of the MS/MSD due to insufficient sample volume.

Affected Samples:

F7D260186 (3): B1MPN5

F7D260186 (4): B1MPN6

ICP Metals

Batch: 7120400

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 samples; therefore the sample data was not adversely affected by this excursion.

Affected Samples:

F7D280119 (1): B1MPW6

F7D300108 (1): B1N750

F7D280119 (3): B1MPW2

F7D300108 (3): B1N754

F7D280119 (5): B1MPX1

Ion Chromatography

The MS recoveries for Chloride in batch 7117158, Fluoride in batch 7117159, Nitrite in batch 7117161 and Nitrate in batch 7117162 are outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7D250225 (6): B1MJR4

F7D250225 (12): B1MJN3

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 7120420 and Nitrite in batch 7120422 is attributed to matrix interference.

The sample duplicate %RPD for Chloride in batch 7120419 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

The initial analysis of the Cal 2 standard failed. The Cal 2 standard was reanalyzed using a new solution. The Cal 2 standard was analyzed after the Cal 3 and 4 standards, so the time will be out of order on the raw data.

Affected Samples:

F7D240227 (2): B1MRB2

F7D240236 (8): B1MNX6

F7D240227 (3): B1MR43

F7D240236 (10): B1MNW8

F7D240236 (2): B1MNY0

F7D240236 (12): B1MNX2

F7D240236 (4): B1MNY8

F7D240236 (18): B1MP55

F7D240236 (6): B1MNY4

F7D240236 (24): B1MP14

Pacific Northwest National Laboratories
May 25, 2007
SDG: SL688

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

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

The associated sample was analyzed at a dilution due to the presence of matrix interferences. The reporting limit has been adjusted for the dilution for Nitrite in batch 7120422.

Affected Samples:

F7D240236 (24): B1MP14

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Nitrite in batch 7120429, Chloride in batch 7120426, and Sulfate in batch 7120428 is attributed to matrix interference.

The closing CCV recovery was outside the upper QC limit (greater than 110%) for Nitrite in batch 7120429 indicating a potential high bias for this analyte in the samples associated with this CCV. This analyte was not detected above the reporting limit in the associated samples.

The LCS/LCSD recovery for Nitrite in batch 7120429 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 samples; therefore the sample data was not adversely affected by this excursion.

Affected Samples:

F7D260186 (6): B1MR58

F7D260186 (10): B1MR62

F7D260186 (8): B1MR66

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Nitrite in batch 7120436 is attributed to matrix interference.

Affected Samples:

F7D280119 (2): B1MPW7

F7D280119 (8): B1MPY8

F7D280119 (4): B1MPW3

F7D280119 (9): B1MPY7

F7D280119 (6): B1MPX2

F7D300108 (2): B1N751

F7D280119 (7): B1MR05

F7D300108 (4): B1N755

Ammonia

During the analysis of batch 7117039, a CCV was above QC limits. This was due to the previous sample being high in ammonia and carrying over to the CCV. All other CCVs in the run were within QC limits.

Affected Samples:

F7D260186 (8): B1MR66

F7D260186 (10): B1MR62

Total Organic Carbon

The LCS recovery for TOC in batch 7131483 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 samples; therefore the sample data was not adversely affected by this excursion.



Pacific Northwest National Laboratories
May 25, 2007
SDG: SL688

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

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

For TOC in batch 7131483, the closing CCV recovery was outside the upper QC limit (greater than 110%) indicating a potential high bias for this analyte. This analyte was not detected above the reporting limit in the associated sample.

Affected Samples:

F7D250225 (9): B1MJN0

F7D250225 (10): B1MJN1

In batch 7131476, duplicate was performed on sample B1MP09. A matrix spike was performed on this sample and is reported. A matrix spike/duplicate pair was analyzed on another sample within this same lot and batch.

Affected Samples:

F7D240236 (19): B1MP09

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

Alkalinity

ICP-MS Metals

Total Organic Halogens

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

Reviewed and approved:

A handwritten signature in black ink that reads "Brian M. O'Donnell" with a stylized flourish at the end.

Brian O'Donnell
St. Louis Project Manager

METHODS SUMMARY

SL688

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Organochlorine Pesticides	SW846 8081A	SW846 3510C
Phenols by GC	SW846 8040A	SW846 3520
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SL688 : F7D240227

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVJM3	001	B1MRB1	04/23/07	13:24
JVJNP	002	B1MRB2	04/23/07	13:24
JVJNT	003	B1MR43	04/23/07	12:46
JVJN4	004	B1MR96	04/23/07	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

SL688 : F7D240236

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVJPQ	001	B1MNX9	04/23/07	11:35
JVJFV	002	B1MNY0	04/23/07	11:35
JVJTH	003	B1MNY7	04/23/07	12:30
JVJTL	004	B1MNY8	04/23/07	12:30
JVJTN	005	B1MNY3	04/23/07	10:23
JVJTP	006	B1MNY4	04/23/07	10:23
JVJTQ	007	B1MNX5	04/23/07	09:03
JVJTW	008	B1MNX6	04/23/07	09:03
JVJT1	009	B1MNX7	04/23/07	10:16
JVJT4	010	B1MNX8	04/23/07	10:16
JVJT7	011	B1MNX1	04/23/07	09:42
JVJT9	012	B1MNX2	04/23/07	09:42
JVJVH	013	B1MP50	04/23/07	11:17
JVJWF	014	B1MP51	04/23/07	11:17
JVJWH	015	B1MP52	04/23/07	11:17
JVJWJ	016	B1MP53	04/23/07	11:17
JVJWK	017	B1MP54	04/23/07	11:17
JVJWL	018	B1MP55	04/23/07	11:17
JVJX0	019	B1MP09	04/23/07	12:30
JVJ0C	020	B1MP10	04/23/07	12:30
JVJ0D	021	B1MP11	04/23/07	12:30
JVJ0E	022	B1MP12	04/23/07	12:30
JVJ0F	023	B1MP13	04/23/07	12:30
JVJ0G	024	B1MP14	04/23/07	12:30
JVJ0M	025	B1MNT4	04/23/07	13:24

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

SL688 : F7D250225

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVLQN	001	B1MJPP9	04/24/07	12:20
JVLQR	002	B1MJR0	04/24/07	12:20
JVLQT	003	B1MJR1	04/24/07	12:20
JVLQV	004	B1MJR2	04/24/07	12:20
JVLQW	005	B1MJR3	04/24/07	12:20
JVLQ0	006	B1MJR4	04/24/07	12:20
JVLQ3	007	B1MJM8	04/24/07	10:32
JVLQ6	008	B1MJM9	04/24/07	10:32
JVLQ7	009	B1MJN0	04/24/07	10:32
JVLQ8	010	B1MJN1	04/24/07	10:32
JVLRA	011	B1MJN2	04/24/07	10:32
JVLRD	012	B1MJN3	04/24/07	10:32

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

SL688 : F7D260185

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
JVN6L	001	B1MDV4		04/25/07	10:08
JVN6Q	002	B1MDT8		04/25/07	09:26
JVN60	003	B1MDV1		04/25/07	08:56
JVN63	004	B1MM58		04/25/07	08:56

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

SL688 : F7D260186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVN7H	001	B1MPP2	04/25/07	10:42
JVN7M	002	B1MPP8	04/25/07	12:04
JVN7Q	003	B1MPN5	04/25/07	09:53
JVN7X	004	B1MPN6	04/25/07	08:00
JVN70	005	B1MR57	04/25/07	11:20
JVN71	006	B1MR58	04/25/07	11:20
JVN79	007	B1MR65	04/25/07	09:00
JVN8A	008	B1MR66	04/25/07	09:00
JVN8D	009	B1MR61	04/25/07	10:45
JVN8F	010	B1MR62	04/25/07	10:45
JVN8H	011	B1MR53	04/25/07	11:45
JVN8J	012	B1MR52	04/25/07	11:45

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

SL688 : F7D270256

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
JVTL4	001	B1MPN1		04/26/07	11:53

NOTE(S) :

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

(Continued on next page)

SAMPLE SUMMARY

SL688 : F7D270257

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
JVTL8	001	B1MM59		04/26/07	11:53

NOTE(S) :

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

(Continued on next page)

SAMPLE SUMMARY

SL688 : F7D280119

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVV98	001	B1MPW6	04/27/07	11:26
JVWAJ	002	B1MPW7	04/27/07	11:26
JVWAN	003	B1MPW2	04/27/07	11:26
JVWAT	004	B1MPW3	04/27/07	11:26
JVWAW	005	B1MPX1	04/27/07	10:22
JVWA1	006	B1MPX2	04/27/07	10:22
JVWA7	007	B1MR05	04/27/07	10:45
JVWCE	008	B1MPY8	04/27/07	07:00
JVWCK	009	B1MPY7	04/27/07	09:57

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

SL688 : F7D300108

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVXH9	001	B1N750	04/27/07	09:20
JVXJC	002	B1N751	04/27/07	09:20
JVXJG	003	B1N754	04/27/07	08:25
JVXJJ	004	B1N755	04/27/07	08:25

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.

17 of 267

[illegible]

Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time	Matrix *	
Fluor Hanford			APR 23 2007 / 1400	FED Ex			APR 23 2007	S = Soil	DS = Drum Solid
Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time	SF = Sediment	DL = Drum Liquid
B.M. HALL								SO = Solid	T = Tissue
								SL = Sludge	WI = Wine
Relinquished By				Received By				W = Water	L = Liquid
								O = Oil	V = Vegetation
								A = Air	X = Other
Relinquished By				Received By					
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)						Disposed By	Date/Time	

PNNL SL688 Fluor Hanford Collector L. D. WALL SAF No. S07-004 Project Title SURV. APRIL 2007 Shipped To (Lab) Severn Trent St. Louis Protocol SURV	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-132
	Contact/Requester Dot Stewart Sampling Origin Hanford Site <i>BAF N 570-9</i>		Telephone No. 509-376-5056 MSIN FAX Purchase Order/Charge Code Ice Chest No. <i>SAWSTO</i> Temp. Bill of Lading/Air Bill No. <i>7981 5850 2665</i>
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)		Method of Shipment Govt. Vehicle Priority: 45 Days	Offsite Property No.
SPECIAL INSTRUCTIONS 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.		Hold Time Total Activity Exemption: Yes ☒ No ☐	

[illegible]

Relinquished By	Date/Time	Received By	Date/Time	Matrix *
Relinquished By L.D. WALL	APR 23 2007	Received By FedEx		S = Soil SF = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air
Relinquished By FEDEX	4-24-07	Received By Jill Clarke	4-24-07	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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

Track Shipments
Detailed Results[? Quick Help](#)

Tracking number	798158502665	Reference	saws-10
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 23, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 24, 2007 9:07 AM	Service type	Priority Overnight
		Weight	81.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 24, 2007	9:07 AM	Delivered	Earth City, MO
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:05 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	3:51 AM	Departed FedEx location	MEMPHIS, TN
Apr 23, 2007	5:54 PM	Left origin	PASCO, WA
	4:12 PM	Package data transmitted to FedEx	
	4:04 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](#)

 Quick Help

Reference	Destination	Delivered to	Service type	Weight
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	8

grp-03-027
Earth City, MO
Shipping/Receiving
Priority Overnight
51.0 lbs.

Status	Delivered
--------	-----------

Signature image available Yes

Date/Time	Activity	Location	Details
Apr 24, 2007	9:07 AM	Delivered	Earth City, MO
	6:50 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:45 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	3:51 AM	Departed FedEx location	MEMPHIS, TN
Apr 23, 2007	5:54 PM	Left origin	PASCO, WA
	4:04 PM	Picked up	PASCO, WA
	3:55 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

STLLot #(s):
- 1181 -

F70240227

236

Condition Upon Receipt Form

Client: PNNLCOC/RFA No: See BelowDate: 4.24.07Quote No: 74859, 74621Initiated By: [Signature]Time: 0915

Shipping Information

Shipper Name: Fed Ex

Shipping # (s):*

Multiple Packages ☒ Y ☐ N

Sample Temperature (s):**

1. 7912 8311 4520

6. _____

1. 3

6. _____

2. 7981 5850 2665

7. _____

2. 2

7. _____

3. 7912 8311 1771

8. _____

3. 2

8. _____

4. _____

9. _____

4. _____

9. _____

5. _____

10. _____

5. _____

10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1. ☒ Y ☐ N	Was sample received broken?	8. ☒ Y ☐ N	Sample received with Chain of Custody?
2. ☒ Y ☐ N ☐ N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9. ☒ Y ☐ N	Chain of Custody matches sample ID's on container(s)?
3. ☐ Y ☐ N	If N/A-Was pH taken by original STL Lab?	10. ☒ Y ☐ N	Are there custody seals present on cooler?
4. ☒ Y ☐ N	Sample received in proper containers?	11. ☐ Y ☒ N ☐ N/A	Do custody seals on cooler appear to be tampered with?
5. ☒ Y ☐ N	Sample volume sufficient for analysis?	12. ☒ Y ☐ N	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: COC #5507-004-14084132W07-004-38584432202615611454

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: [Signature]Date: 4.25.07

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

ADMIN-0004, REVISED 04/18/07\SI\svr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

SDG# STL 688

PNNL 5.2688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-38	
Fluor Hanford Collector: D. WALL		Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX	
SAF No. W07-004		Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title RCRA, APRIL 2007		HNF-N-5065	Ice Chest No.	Temp.	
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 798158502665		
Protocol RCRA		Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MNX9 (F)		W	4-22-07	1135	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MNY0		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MNY0		W			1x20-mL P	Activity Scan	None
B1MNY0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNY0		W			1x250-mL aGs*	9060_TOX: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNY0		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
Handwritten: R. Wall 4/23/07							

Relinquished By L.D. WALL	Print <i>L.D. Wall</i>	Sign <i>L.D. Wall</i>	Date/Time APR 23 2007	Received By FedEx	Print <i>FedEx</i>	Sign <i>FedEx</i>	Date/Time 4-23-07	Matrix * S = Soil DS = Drum Solid SR = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other		
Relinquished By FEDEX	Print <i>FEDEX</i>	Sign <i>FEDEX</i>	Date/Time 4-24-07	Received By Jill Clarke	Print <i>Jill Clarke</i>	Sign <i>Jill Clarke</i>	Date/Time 4-24-07 0915			
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time			
Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	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

[illegible]

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *	
Relinquished By	Fluor Hanford L. D. WALL	<i>[Signature]</i>	APR 23 2007	Received By	FedEx			S = Soil	DS = Drum Solid
Relinquished By			Date/Time	Received By			Date/Time	SE = Sediment	DL = Drum Liquid
Relinquished By			Date/Time	Received By			Date/Time	SO = Solid	T = Tissue
Relinquished By			Date/Time	Received By			Date/Time	SL = Sludge	WI = Wine
Relinquished By			Date/Time	Received By			Date/Time	W = Water	L = Liquid
Relinquished By			Date/Time	Received By			Date/Time	O = Oil	V = Vegetation
Relinquished By			Date/Time	Received By			Date/Time	A = Air	X = Other
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)					Disposed By		Date/Time

PNNL 52688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-44	
Collector Fluor Hanford		Contact/Requester Dot Stewart		Telephone No. 509-376-5056	
SAF No. W07-004		Sampling Origin Hanford Site		MSIN FAX	
Project Title RCRA, APRIL 2007		Shipped To (Lab) Severn Trent St. Louis		Purchase Order/Charge Code	
Protocol RCRA		Method of Shipment Govt. Vehicle		Ice Chest No. 34WS-10	
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)		Priority: 45 Days		Temp. 7981 5850 2665	
SPECIAL INSTRUCTIONS 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.		Hold Time		Total Activity Exemption: Yes ☒ No ☐	

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MNY3 (F)	4-23-07	W	4-23-07	1023	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MNY4		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MNY4		W			1x20-mL P	Activity Scan	None
B1MNY4		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MNY4		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MNY4		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
<i>L. Wall</i> 4/23/07							

Relinquished By L. D. WALL <i>L.D. Wall</i>	Print L. D. WALL	Sign <i>L.D. Wall</i>	Date/Time APR 23 2007 <i>1400Z</i>	Received By FedEx	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SF = Sediment DI. = Drum Liquid SO = Solid T = Tissue SL = Sludge W = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By FedEx			Date/Time 4-24-07	Received By Ch Clarke			Date/Time 0915	
Relinquished By			Date/Time	Received By			Date/Time	
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	

PNNL 54688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-32
Collector Fluor Hanford K. B. HULSE		Contact/Requester Dot Stewart		Telephone No. 509-376-5056
SAF No. W07-004		Sampling Origin Hanford Site		MSIN FAX
Project Title RCRA, APRIL 2007		Purchase Order/Charge Code		Ice Chest No. 5 mL-442
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Temp. 7912-8311-1771
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 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.		

[illegible]

Relinquished By	Print K. B. HULSE	Signature <i>K. B. Hulse</i>	Date/Time APR 23 2007	Received By	Print Fed Ex	Signature	Date/Time	Matrix * S = Soil DS = Drum Solid SE = Sediment DI. = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water I. = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By			Date/Time <i>4-24-07</i>	Received By	<i>Jim Clarke</i>		Date/Time <i>0915</i>		
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

PNNL 52688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-20	
Collector Fluor Hanford K. B. HULSE		Contact/Requester Dot Stewart		Telephone No. MSIN FAX 509-376-5056	
SAF No. W07-004		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title RCRA, APRIL 2007		HNF-W-506-7		Ice Chest No. Temp. 5mL-442	
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. 7912-8311-1771	
Protocol RCRA		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs. into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By K. B. HULSE	Print <i>K. B. Hulse</i>	Sign <i>K. B. Hulse</i>	Date/Time APR 23 2007	Received By Fed Ex	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SI = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By FedEx	Date/Time 4-24-07	Received By Carl Clarke	Date/Time 4-24-07 0915					
Relinquished By	Date/Time	Received By	Date/Time					
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	

PNNL <i>52688</i>		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-26
Collector Fluor Hanford K. B. HULSE		Contact/Requester Dot Stewart		Telephone No. MSIN 509-376-5056
SAF No. W07-004		Sampling Origin Hanford Site		Purchase Order/Charge Code
Project Title RCRA, APRIL 2007		<i>HNF-N-506-7</i>		Ice Chest No. Temp. <i>5mL-442</i>
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. <i>7912-8311-1771</i>
Protocol RCRA		Priority: 45 Days		Offsite Property No.
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By	Print K. B. HULSE	Signature <i>[Handwritten Signature]</i>	Date/Time APR 23 2007 1400	Received By Fed Ex	Print	Signature	Date/Time	Matrix *
Relinquished By	FED EX	4-24-07	Jill Clarke	4-24-07	0915			S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By								
Relinquished By								
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)						Disposed By	Date/Time

52688

C.O.C. #
W07-004-156

Page 1 of 1

Telephone No.	MSIN	FAX
509-376-5056		

Purchase Order/Charge Code

Ice Chest No.	Temp.
5016 442	

Bill of Lading/Air Bill No. 7912-8311-1721

Offsite Property No.

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.

4-23-07

Relinquished By P Hanford K. B. HULSE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time 1400 APR 23 2007	Received By Fed Ex	Print	Sign	Date/Time	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine L = Liquid V = Vegetation X = Other
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
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

PNNL

5C688

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

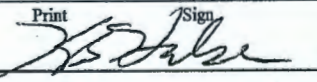
C.O.C. #

W07-004-114

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX
SAF No. W07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code	
Project Title RCRA APRIL 2007	HWI-N-506-7	Ice Chest No. GRP-03-027	Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7912-8311-4520	
Protocol RCRA	Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MP09		W	4-23-07	1230	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MP09		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MP10		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MP10		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MP11		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MP11		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MP12		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MP12		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MP13 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MP14		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1MP14		W			1x20-mL P	Activity Scan	None
						4-23-07	

Relinquished By Fluor Hanford K. B. HULSE	Print 	Sign APR 23 2007	Date/Time 1400	Received By Fed Ex	Print Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By PEEC	Print 	Sign 4-24-07	Date/Time	Received By Cali Clarke	Print Sign	Date/Time 4-24-07 0915	
Relinquished By	Print	Sign	Date/Time	Received By	Print	Date/Time	
Relinquished By	Print	Sign	Date/Time	Received By	Print	Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By		Date/Time

PNNL <i>52688</i>		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-004-54	
Collect Fluor Hanford L. D. WALL		Contact/Requester Dot Stewart		Telephone No. MSIN 509-376-5056 FAX	
SAF No. W07-004		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title RCRA APRIL 2007		<i>HNF-N-506-9</i>		Ice Chest No. SAWS10 Temp.	
Shipped To (Lab) Savert Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. 798158502665	
Protocol RCRA		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By	Print L. D. WALL	Signature <i>L.D. Wall</i>	Date/Time APR 23 2007	Received By	Print FedEX	Signature <i>[Signature]</i>	Date/Time 4-24-07	Matrix * S = Soil DS = Drumm Solid SF = Sediment DI = Drumm Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By			Date/Time 4-24-07	Received By			Date/Time 0915	
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	

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	798158502665	Reference	saws-10
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 23, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 24, 2007 9:07 AM	Service type	Priority Overnight
		Weight	81.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 24, 2007	9:07 AM	Delivered	Earth City, MO
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:05 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	3:51 AM	Departed FedEx location	MEMPHIS, TN
Apr 23, 2007	5:54 PM	Left origin	PASCO, WA
	4:12 PM	Package data transmitted to FedEx	
	4:04 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
updatesDelivery
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](#)

Track Shipments
Detailed Results Quick Help

Tracking number	791283111771	Reference	sml-442
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 23, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 24, 2007 9:07 AM	Service type	Priority Overnight
		Weight	80.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 24, 2007	9:07 AM	Delivered	Earth City, MO
	7:29 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:05 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	3:51 AM	Departed FedEx location	MEMPHIS, TN
Apr 23, 2007	5:54 PM	Left origin	PASCO, WA
	4:04 PM	Picked up	PASCO, WA
	3:54 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](#)

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	791283114520	Reference	grp-03-027
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 23, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 24, 2007 9:07 AM	Service type	Priority Overnight
		Weight	51.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 24, 2007	9:07 AM	Delivered	Earth City, MO
	6:50 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:45 AM	At local FedEx facility	EARTH CITY, MO
	5:19 AM	At dest sort facility	BERKELEY, MO
	3:51 AM	Departed FedEx location	MEMPHIS, TN
Apr 23, 2007	5:54 PM	Left origin	PASCO, WA
	4:04 PM	Picked up	PASCO, WA
	3:55 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](#)

STLLot #(s): F70240227
- 1181 - 236Client: PNNL COC/RFA No: See Below Date: 4.24.07
Quote No: 74859, 74621 Initiated By: [Signature] Time: 0915

Shipping Information

Shipper Name: Fed Ex
Shipping # (s): *Multiple Packages ☒ Y N
Sample Temperature (s): **1. 7912 8311 4520
2. 7981 5850 2665
3. 7912 8311 1771
4. _____
5. _____6. _____
7. _____
8. _____
9. _____
10. _____1. 3 6. _____
2. 2 7. _____
3. 2 8. _____
4. _____ 9. _____
5. _____ 10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1. ☒ Y ☒ N	Was sample received broken?	8. ☒ Y ☒ N	Sample received with Chain of Custody?
2. ☒ Y ☒ N ☒ N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9. ☒ Y ☒ N	Chain of Custody matches sample ID's on container(s)?
3. ☒ Y ☒ N	If N/A-Was pH taken by original STL Lab?	10. ☒ Y ☒ N	Are there custody seals present on cooler?
4. ☒ Y ☒ N	Sample received in proper containers?	11. ☒ Y ☒ N ☒ N/A	Do custody seals on cooler appear to be tampered with?
5. ☒ Y ☒ N	Sample volume sufficient for analysis?	12. ☒ Y ☒ N	Are there custody seals present on bottles?
6. ☒ Y ☒ N ☒ N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13. ☒ Y ☒ N ☒ N/A	Do custody seals on bottles appear to be tampered with?
7. ☒ Y ☒ N	Were contents of 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: COC#5507-004-14084✓ ↓ -132W07-004-38-58-44-32-20-26-156-114-521

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: [Signature]Date: 4.25.07

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

ADMIN-0004, REVISED 04/18/07\SI\svr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

PNNL 54688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # W07-003-52	
Collector: Fluor Hanford F.M. HALL		Contact/Requester Dot Stewart		Telephone No. 509-376-5056 MSIN FAX	
SAF No. W07-003		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title RCRA MARCH 2007		HNF -N-506-6		Ice Chest No. ERC-1 Temp.	
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. 7929 7451 9248	
Protocol RCRA		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.	

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MJP9		W	4/24/7	1220	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MJP9		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MJR0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MJR0		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MJR1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MJR1		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MJR2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1MJR2		W			1x250-mL aGs*	9060_TOX: TOX (1)	HCl or H2SO4 to pH <2 Cool 4C
B1MJR3 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1MJR4		W			1x20-mL P	Activity Scan	None
B1MJR4		W	✓	✓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By Fluor Hanford F.M. HALL	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 24 2007	Received By FED EX	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 24 2007	Matrix *	
Relinquished By <i>[Signature]</i>	Date/Time 4-25-07	Received By <i>[Signature]</i>	Date/Time 4-25-07	Received By <i>[Signature]</i>	Date/Time 0900	S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SI = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other			
Relinquished By	Date/Time	Received By	Date/Time	Received By	Date/Time				
Relinquished By	Date/Time	Received 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			

Relinquished By F. M. HALL	Print <i>[Signature]</i>	Sign APR 26 2007	Date/Time 11400	Received By FED Ex	Print	Sign APR 26 2007	Date/Time	Matrix *	
Relinquished By <i>FED Ex</i>		Date/Time 4-25-07		Received By <i>Jill Clarke</i>		Date/Time 4-25-07	<i>0958</i>	S = Soil SE = Sediment SC = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine LI = 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	

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	792974519248	Reference	ERC-1
Signed for by	S.WILSON	Destination	Earth City, MO
Ship date	Apr 24, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 25, 2007 8:53 AM	Service type	Priority Overnight
		Weight	85.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 25, 2007	8:53 AM	Delivered	Earth City, MO
	7:09 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:58 AM	At local FedEx facility	EARTH CITY, MO
	6:18 AM	At dest sort facility	BERKELEY, MO
	4:35 AM	Departed FedEx location	MEMPHIS, TN
	1:26 AM	Arrived at FedEx location	MEMPHIS, TN
Apr 24, 2007	5:39 PM	Left origin	PASCO, WA
	4:13 PM	Package data transmitted to FedEx	
	3:38 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
updatesDelivery
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](#)

STLLot #(s): F70250225
- 1187 -Client: PNNL
Quote No: 74597Condition Upon Receipt Form
COC/RFA No: W07-003-52, W07-003-36
Initiated By: [Signature]Date: 4-25-06
Time: 0900

Shipping Information

Shipper Name: Fed Ex
Shipping # (s):*Multiple Packages Y (N)
Sample Temperature (s):**1. 7929 7451 9248
2. 7929 7451 9248
3. 7929 7451 9248
4. 7929 7451 9248
5. 7929 7451 92486. 7929 7451 9248
7. 7929 7451 9248
8. 7929 7451 9248
9. 7929 7451 9248
10. 7929 7451 92481. 7929 7451 9248
2. 7929 7451 9248
3. 7929 7451 9248
4. 7929 7451 9248
5. 7929 7451 9248

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

Corrective Action:

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

Informed by: _____

Project Management Review: [Signature]

If released, notify: _____

Date: 4-26-07

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

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

[illegible]

Relinquished By R. T. SICKLE	Print <i>[Signature]</i>	Date/Time APR 25 2007	Received By <i>Paul Ex</i>	Print	Sign	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
Relinquished By <i>[Signature]</i>		Date/Time <i>4-26-07</i>	Received By <i>B-A-7</i>			Date/Time <i>4/26/07 0915</i>	
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	

Relinquished By Fluor Hanford R. T. SICKLE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 25 2007	Received By <i>[Signature]</i>	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SF = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By <i>[Signature]</i>	Date/Time 4-26-07	Received By <i>[Signature]</i>	Date/Time 4/26/07 0915					
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	

PNNL 52688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C.# S07-003-303	
				Page 1 of 1	
Collector	Fluor Hanford R. T. SICKLE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN	FAX
SAF No. S07-003	Sampling Origin Hanford Site	Purchase Order/Charge Code	CWO-06-04 SACS-109		
Project Title SURV. MARCH 2007	HNF-N-506-7	Ice Chest No. S07-562	Temp. 4-25-07		
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.	2991 2893 8616		
Protocol SURV	Priority: 45 Days	Offsite Property No.			
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.			

[illegible]

Relinquished By R. T. SICKLE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 25 2007	Received By <i>Paul Ex</i>	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SP = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By <i>RESEY</i>			Date/Time 4-26-07	Received By <i>B-A-P</i>			Date/Time 4/26/07 0915	
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	

[illegible]

Relinquished By R. T. SICKLE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 25 2007	Received By <i>Fear E X</i>	Print	Sign	Date/Time	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By <i>[Signature]</i>			Date/Time 4/26/07	Received By <i>B-H</i>			Date/Time 4/26/07 0915	
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	

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	799128938616	Reference	saws-109
Signed for by	A.BRUNSON	Destination	Earth City, MO
Ship date	Apr 25, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 26, 2007 9:13 AM	Service type	Priority Overnight
		Weight	57.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 26, 2007	9:13 AM	Delivered	Earth City, MO
	7:01 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:55 AM	At local FedEx facility	EARTH CITY, MO
	5:37 AM	At dest sort facility	BERKELEY, MO
	4:34 AM	Departed FedEx location	MEMPHIS, TN
	1:10 AM	Arrived at FedEx location	MEMPHIS, TN
Apr 25, 2007	5:20 PM	Left origin	PASCO, WA
	4:12 PM	Picked up	PASCO, WA
	2:32 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
updatesDelivery
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](#)

STLLot #(s): 170260135
- 1136 - 196

Condition Upon Receipt Form

Client: PDDL COC/RFA No: see below Date: 4/26/07
Quote No: 74337, 74459 Initiated By: AO Time: 09:15

Shipping Information

Shipper Name: FE

Shipping # (s): *

Multiple Packages Y N

Sample Temperature (s): **

1. <u>7991 2893 8614</u>	6. _____	1. <u>3</u>	6. _____
2. <u>7929 7526 4015</u>	7. _____	2. <u>3</u>	7. _____
3. _____	8. _____	3. _____	8. _____
4. _____	9. _____	4. _____	9. _____
5. _____	10. _____	5. _____	10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1. <u>Y(N)</u>	Was sample received broken?	8. <u>Y</u> N	Sample received with Chain of Custody?
2. <u>Y</u> N N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9. <u>Y</u> N	Chain of Custody matches sample ID's on container(s)?
3. <u>Y</u> N	If N/A-Was pH taken by original STL Lab?	10. <u>Y</u> N	Are there custody seals present on cooler?
4. <u>Y</u> N	Sample received in proper containers?	11. <u>Y</u> N N/A	Do custody seals on cooler appear to be tampered with?
5. <u>Y</u> N	Sample volume sufficient for analysis?	12. <u>Y</u> N	Are there custody seals present on bottles?
6. <u>Y(N)</u> N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13. <u>Y</u> N N/A	Do custody seals on bottles appear to be tampered with?
7. <u>Y</u> N	Were contents of cooler frisked after opening, but before unpacking?	14. <u>Y</u> 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. 507-003-309, 303, 348, 297, 507-004-354, 346, 347
2. 507-004-282, 290, 275, 274, 291

Corrective Action:

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

Informed by: _____

If released, notify: _____

Project Management Review: [Signature]Date: 4-26-07

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\SI\svr01\QA\FORMS\ST-LOUIS\ADMIN\ADMIN004 rev11.doc

[illegible]

Relinquished By L.D. WALL	Print <i>L.D. Wall</i>	Sign <i>L.D. Wall</i>	Date/Time APR 25 2007	Received By FedEx	Print	Sign	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
Relinquished By <i>PERK</i>	Date/Time 4-26-07	Received By <i>B-A-C</i>	Date/Time 4/26/07	Date/Time 0915				
Relinquished By	Date/Time	Received By	Date/Time					
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	

PNNL 54688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-366	
				Page 1 of 1	
Collector L.D. WALL		Contact/Requester Dot Stewart		Telephone No. MSIN FAX 509-376-5056	
SAF No. S07-004		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title SURV. APRIL 2007		HANF-N-506-8		Ice Chest No. Temp. SAWS-709	
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. 7991 2893 8616	
Protocol SURV		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS		
			Hold Time		
			Total Activity Exemption: Yes ☒ No ☐		
			All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.		
			WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time	Matrix *
Relinquished By	L.D. WALL	L.D. WALL	APR 25 2007	Received By	Fed EX			S = Soil SR = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine L = Liquid V = Vegetation X = Other
Relinquished By				Received By				
Relinquished By				Received By				
Relinquished By				Received By				
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By		Date/Time	

PNNL <i>SL688</i>		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-346
Collector L.D. WALL		Contact/Requester Dot Stewart		Telephone No. 509-376-5056
SAF No. S07-004		Sampling Origin Hanford Site		MSIN FAX
Project Title SURV. APRIL 2007		Purchase Order/Charge Code SAWS		Ice Chest No. 709 Temp.
Shipped To (Lab) Savannah St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No. 7991 2893 8616
Protocol SURV		Priority: 45 Days		Offsite Property No.
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By D. WALL	Print <i>Didi Wall</i>	Sign <i>Didi Wall</i>	Date/Time APR 25 2007	Received By FedEx	Print	Sign	Date/Time	Matrix *	
Relinquished By	Date/Time	Received By	Date/Time					S = Soil SF = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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	

[illegible]

Relinquished By L.D. WALL	Print <i>L.D. Wall</i>	Signature <i>L.D. Wall</i>	Date/Time APR 25 2007	Received By FedEx	Print	Signature	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
Relinquished By			Date/Time <i>4-26-07</i>	Received By <i>B-H-L</i>			Date/Time <i>4/26/07 0915</i>	
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	

[illegible]

Relinquished By Fluor Hanford E. M. HALL	Print <i>[Signature]</i>	Sign APR 25 2007	Date/Time 1400	Received By FED EX	Print	Sign	Date/Time APR 25 2007	Matrix *	
Relinquished By <i>PEB</i>		Date/Time 4.26.07		Received By <i>B-D-P</i>		Date/Time 4/26/07 0915		S = Soil SR = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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	

PNNL 54688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-291
Collector Fluor Hanford F. M. HALL		Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX
SAF No. S07-004		Sampling Origin Hanford Site	Purchase Order/Charge Code	
Project Title SURV. APRIL 2007		HNF-N-506-6	Ice Chest No.	Temp.
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 792975204015	
Protocol SURV		Priority: 45 Days	Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By Fluor Hanford F. M. HALL	Print <i>[Signature]</i>	Date/Time APR 25 2007 11400	Received By FEO Ex	Print	Sign APR 25 2007	Date/Time	Matrix *	
Relinquished By <i>[Signature]</i>	Date/Time 4-26-07	Received By B-A-1	Date/Time 4/26/07 0915				S = Soil SE = Sediment SO = Solid SL = Shale W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine LI = 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		

[illegible]

Relinquished By F. M. HALL	Print F. M. HALL	Signature <i>[Signature]</i>	Date/Time APR 25 2007 1400	Received By FED EX	Print FED EX	Signature <i>[Signature]</i>	Date/Time APR 25 2007	Matrix *	
Relinquished By FED EX	Print FED EX	Signature <i>[Signature]</i>	Date/Time 4-26-07	Received By B-1-1	Print B-1-1	Signature <i>[Signature]</i>	Date/Time 4/26/07 0915	S = Soil SP = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine LI = Liquid V = Vegetation X = Other
Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time		
Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time		
Relinquished By	Print	Signature	Date/Time	Received By	Print	Signature	Date/Time		
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By		Date/Time		

[illegible]

Relinquished By F. M. HANFORD	Print <i>[Signature]</i>	Sign APR 25 2007	Date/Time 11400	Received By FED EX	Print	Sign APR 25 2007	Date/Time	Matrix *	
Relinquished By		Date/Time 4-26-07		Received By <i>[Signature]</i>		Date/Time 4/26/07 0915		S = Soil SP = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine LI = 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	

Track Shipments
Detailed Results Quick Help

Tracking number	799128938616	Reference	saws-109
Signed for by	A.BRUNSON	Destination	Earth City, MO
Ship date	Apr 25, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 26, 2007 9:13 AM	Service type	Priority Overnight
		Weight	57.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 26, 2007	9:13 AM	Delivered	Earth City, MO
	7:01 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:55 AM	At local FedEx facility	EARTH CITY, MO
	5:37 AM	At dest sort facility	BERKELEY, MO
	4:34 AM	Departed FedEx location	MEMPHIS, TN
	1:10 AM	Arrived at FedEx location	MEMPHIS, TN
Apr 25, 2007	5:20 PM	Left origin	PASCO, WA
	4:12 PM	Picked up	PASCO, WA
	2:32 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](#)

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	792975204015	Reference	grp-03-028
Signed for by	A.BRUNSON	Destination	Earth City, MO
Ship date	Apr 25, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 26, 2007 9:13 AM	Service type	Priority Overnight
		Weight	63.0 lbs.
Status	Delivered		
Signature image available	<u>Yes</u>		

Date/Time	Activity	Location	Details
Apr 26, 2007	9:13 AM	Delivered	Earth City, MO
	7:00 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:55 AM	At local FedEx facility	EARTH CITY, MO
	5:37 AM	At dest sort facility	BERKELEY, MO
	4:34 AM	Departed FedEx location	MEMPHIS, TN
	1:10 AM	Arrived at FedEx location	MEMPHIS, TN
Apr 25, 2007	5:20 PM	Left origin	PASCO, WA
	4:12 PM	Picked up	PASCO, WA
	2:58 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](#)

Lot #(s):
- 1136 -

F70260185

196

Client: PWOLCOC/RFA No: see below

Condition Upon Receipt Form

Quote No: 74337, 74959Initiated By: AODate: 4/26/07Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*

Multiple Packages (Y) N

Sample Temperature (s):**

1. 7991 2893 8614

6. _____

2. 1929 7526 4015

7. _____

3. _____

8. _____

4. _____

9. _____

5. _____

10. _____

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.	<u>(Y)</u> <u>(N)</u>	Was sample received broken?	8.	<u>(Y)</u> <u>(N)</u>	Sample received with Chain of Custody?
2.	<u>(Y)</u> <u>(N)</u> <u>N/A</u>	Was sample received with proper pH ¹ ? (If not, make note below)	9.	<u>(Y)</u> <u>(N)</u>	Chain of Custody matches sample ID's on container(s)?
3.	<u>(Y)</u> <u>(N)</u>	If N/A-Was pH taken by original STL Lab?	10.	<u>(Y)</u> <u>(N)</u>	Are there custody seals present on cooler?
4.	<u>(Y)</u> <u>(N)</u>	Sample received in proper containers?	11.	<u>(Y)</u> <u>(N)</u> <u>N/A</u>	Do custody seals on cooler appear to be tampered with?
5.	<u>(Y)</u> <u>(N)</u>	Sample volume sufficient for analysis?	12.	<u>(Y)</u> <u>(N)</u>	Are there custody seals present on bottles?
6.	<u>(Y)</u> <u>(N)</u> <u>N/A</u>	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	<u>(Y)</u> <u>(N)</u> <u>N/A</u>	Do custody seals on bottles appear to be tampered with?
7.	<u>(Y)</u> <u>(N)</u>	Were contents of cooler frisked after opening, but before unpacking?	14.	<u>(Y)</u> <u>(N)</u>	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. 507-003-309, 303, 348, 297, 507-004-354, 346, 346, 3472. 507-004-282, 290, 275, 274, 291

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: Brian O'DonnellDate: 5-1-07

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

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

PNNL 52688	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-338	
			Page 1 of 1	
Collector Fluor Hanford F.M. HALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX	
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title SURV. APRIL 2007	HNF - N - S06 - 6	Ice Chest No. N14D	Temp.	
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7923-3292-7760		
Protocol SURV	Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By F.M. HALL	Print <i>[Signature]</i>	Date/Time APR 26 2007 / 1400	Received By FED EX	Print	Date/Time APR 26 2007	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By <i>[Signature]</i>	Date/Time 4/28/07	Received By <i>[Signature]</i>	Date/Time 4/27/07	8915			
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

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	792332927760	Reference	NHD
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 26, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 27, 2007 9:06 AM	Service type	Priority Overnight
		Weight	22.0 lbs.
Status	Delivered		
Signature image available	<u>Yes</u>		

Date/Time	Activity	Location	Details
Apr 27, 2007	9:06 AM	Delivered	Earth City, MO
	6:36 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:31 AM	At local FedEx facility	EARTH CITY, MO
	5:22 AM	At dest sort facility	BERKELEY, MO
	4:39 AM	Departed FedEx location	MEMPHIS, TN
Apr 26, 2007	12:30 AM	Arrived at FedEx location	MEMPHIS, TN
	9:11 PM	At local FedEx facility	SPOKANE, WA
	5:26 PM	Left origin	PASCO, WA
	4:17 PM	Picked up	PASCO, WA
	2:26 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](#)

STLLot #(s): 170270256
- 1072 - 257

Client: PNNL Condition Upon Receipt Form
 Quote No: 74859, 74337 COC/RFA No: 507-003-344, 507-004-338 Date: 4/27/07
 Initiated By: BA Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*

Multiple Packages Y (N)
Sample Temperature (s):**1. 7923 3292 7760

6. _____

2. _____

7. _____

3. _____

8. _____

4. _____

9. _____

5. _____

10. _____

1. 5

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 <u>(N)</u>	Was sample received broken?	8. Y <u>(N)</u>	Sample received with Chain of Custody?
2. Y N <u>(N/A)</u>	Was sample received with proper pH ¹ ? (If not, make note below)	9. Y <u>(N)</u>	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 <u>(N)</u>	Are there custody seals present on cooler?
4. <u>(Y)</u> N	Sample received in proper containers?	11. Y <u>(N)</u> N/A	Do custody seals on cooler appear to be tampered with?
5. <u>(Y)</u> N	Sample volume sufficient for analysis?	12. Y <u>(N)</u>	Are there custody seals present on bottles?
6. Y <u>(N)</u> N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13. Y <u>(N)</u> N/A	Do custody seals on bottles appear to be tampered with?
7. <u>(Y)</u> 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:

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: Brenda DavisDate: 5-1-07

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\SI\svr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

6101261

261

Relinquished By F. M. HALL	Print APR 26 2007 1400	Received By FED EX	Print APR 26 2007	Sign	Date/Time	Matrix *	
Relinquished By FED EX	Date/Time 4-27-07	Received By B-D-T	Date/Time 4/27/07		0915	S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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	

Track Shipments
Detailed Results[? Quick Help](#)

Tracking number	792332927760	Reference	NHD
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 26, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 27, 2007 9:06 AM	Service type	Priority Overnight
		Weight	22.0 lbs.
Status	Delivered		
Signature image available	<u>Yes</u>		

Date/Time	Activity	Location	Details
Apr 27, 2007	9:06 AM	Delivered	Earth City, MO
	6:36 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	6:31 AM	At local FedEx facility	EARTH CITY, MO
	5:22 AM	At dest sort facility	BERKELEY, MO
	4:39 AM	Departed FedEx location	MEMPHIS, TN
Apr 26, 2007	12:30 AM	Arrived at FedEx location	MEMPHIS, TN
	9:11 PM	At local FedEx facility	SPOKANE, WA
	5:26 PM	Left origin	PASCO, WA
	4:17 PM	Picked up	PASCO, WA
	2:26 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](#)

STLLot #(s): F7D270256
- 1072 - 257

Client: PNNL COC/RFA No: 507-003-349, 507-004-338 Date: 4/27/07
 Quote No: 74859, 74337 Initiated By: 80 Time: 0915

Shipping Information

Shipper Name: FE Multiple Packages Y (N)
 Shipping # (s):*
 1. 7923 3292 7760 6. _____ 1. 5 6. _____
 2. _____ 7. _____ 2. _____ 7. _____
 3. _____ 8. _____ 3. _____ 8. _____
 4. _____ 9. _____ 4. _____ 9. _____
 5. _____ 10. _____ 5. _____ 10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
 Project Management Review: Brian D... Date: 5/18/07

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

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

PNNL 5688	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST 58		C.O.C. # S07-004-37	
			Page 1 of 1	
Collector Fluor Hanford F. M. HALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX	
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title SURV. APRIL 2007	HNF-N-S06-6	Ice Chest No. 6W0-06-8	Temp.	
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol SURV	Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time 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.		
		Total Activity Exemption: Yes ☒ No ☐		

[illegible]

Relinquished By F. M. HALL	Print APR 27 2007	Date/Time 1400	Received By FED EX	Print APR 27 2007	Date/Time	Matrix * S = Soil DS = Drum Solid SR = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge W = Wine W = Water I = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By FED EX	Date/Time 4-28-07	Received By Angela Brown	Date/Time 4-28-07 9:10			
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

DGC# SL688 PNNL SL688	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-36	
			Page 1 of 1	
Collector Fluor Hanford F.M. HALL	Contact/Requester Dot Stewart	Telephone No. MSIN 509-376-5056	FAX	
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title SURV. APRIL 2007	HNF - N-506 - 6	Ice Chest No. 6W0-06-8	Temp.	
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol SURV	Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days. WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.		

[illegible]

Relinquished By Fluor Hanford E. M. HALL	Print <i>[Signature]</i>	Sign APR 27 2007	Date/Time 1400	Received By FED Ex	Print APR 27 2007	Sign APR 27 2007	Date/Time	Matrix *	
Relinquished By FED Ex		Date/Time 4-28-07		Received By Angela Brown		Date/Time 4-28-07	9:10	S = Soil SR = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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	

PNNL SL688		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-44	
Fluor Hanford Col. J. W. HALL		Contact/Requester Dot Stewart		Telephone No. MSIN 509-376-5056	
SAF No. S07-004		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title SURV. APRIL 2007		HNH - N - 506 - 6		Ice Chest No. 6W0-06-02 Temp.	
Shipped To (Lab) Severn Trent St. Louis		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.	
Protocol SURV		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS 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.		
			Hold Time Total Activity Exemption: Yes ☒ No ☐		

[illegible]

Relinquished By F. M. HALL	Print <i>[Signature]</i>	Date/Time APR 27 2007	Received By FED EX	Print <i>[Signature]</i>	Date/Time APR 27 2007	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine L = Liquid V = Vegetation X = Other
Relinquished By <i>FED EX</i>	Date/Time 4-28-07	Received By <i>Angelo Brown</i>	Date/Time 4-28 9:10			
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

[illegible]

Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
Relinquished By		Date/Time	Received By			Date/Time	S = Soil SF = Sediment SO = Solid SL = Shale W = Water O = Oil A = Air
Relinquished By		Date/Time	Received By			Date/Time	DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine 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)						Date/Time

[illegible][illegible][illegible]

DC# PNNL 54688	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S07-004-62	
			Page 1 of 1	
Collector Fluor Hanford R. T. SICKLE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN FAX	
SAF No. S07-004	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title SURV. APRIL 2007	HNF-N-506-7	Ice Chest No. ac-ae-2	Temp.	
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol SURV	Priority: 45 Days	Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS 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.		
		Hold Time	Total Activity Exemption: Yes ☒ No ☐	

[illegible]

Relinquished By R. T. SICKLE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 27 2007 1400	Received By FEDEX	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time	Matrix * S = Soil DS = Drum Solid SR = Sediment DI. = Drum Liquid SO = Solid T = Tissue SL = Sludge WT = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By FEDEX	Date/Time 4-28-07	Received By Angela Brown	Date/Time 4-28-07 9:10					
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	

Track Shipments
Detailed Results[? Quick Help](#)

Tracking number	790235661245	Reference	gwo-06-8
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 27, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 28, 2007 9:03 AM	Service type	Priority Overnight
		Weight	58.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 28, 2007	9:03 AM Delivered	Earth City, MO	
	7:58 AM On FedEx vehicle for delivery	EARTH CITY, MO	
	7:14 AM At local FedEx facility	EARTH CITY, MO	
	5:29 AM At dest sort facility	BERKELEY, MO	
	4:50 AM Departed FedEx location	MEMPHIS, TN	
Apr 27, 2007	5:21 PM Left origin	PASCO, WA	
	4:14 PM Picked up	PASCO, WA	
	3:28 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](#)

STLLot #(s): E7D280119
- 1244 -Client: STL-Richland
Quote No: 74857COC/RFA No: See Below
Initiated By: AB

Condition Upon Receipt Form

Date: 4-28-07
Time: 9:10

Shipping Information

Shipper Name: Fed Ex
Shipping # (s):*Multiple Packages Y (N)
Sample Temperature (s):**1. 7902 3566 12451. 2°

2. _____

2. _____

3. _____

3. _____

4. _____

4. _____

5. _____

5. _____

*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 <u>(N)</u>	Was sample received broken?	8.	<u>(Y)</u> N	Sample received with Chain of Custody?
2.	<u>(Y)</u> N N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9.	<u>(Y)</u> 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.	<u>(Y)</u> N	Are there custody seals present on cooler?
4.	<u>(Y)</u> N	Sample received in proper containers?	11.	Y <u>(N)</u> N/A	Do custody seals on cooler appear to be tampered with?
5.	<u>(Y)</u> N	Sample volume sufficient for analysis?	12.	<u>(Y)</u> N	Are there custody seals present on bottles?
6.	Y N <u>(N/A)</u>	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y <u>(N)</u> N/A	Do custody seals on bottles appear to be tampered with?
7.	Y <u>(N)</u>	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: COC - S07-004-37, 36, 44, 68, 63, 62
I07-036Jan
05-25-07

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: [Signature]Date: 5-1-07

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.

[illegible]

Relinquished By Elmer Hanford R. T. SICKLE	Print <i>[Signature]</i> Sign	Date/Time APR 27 2007 4:00	Received By FED EX	Print <i>[Signature]</i> Sign	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	
Relinquished By FED EX		Date/Time 4-28-07	Received By Angela Busch		Date/Time 4-28-07 9:10		
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

Relinquished By R. T. SICKLE	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time APR 27 2007	Received By FEDEX	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time	Matrix * S = Soil DS = Drum Solid SE = Sediment DI. = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L. = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By <i>[Signature]</i>			Date/Time 4-28-07	Received By Cynthia Brown			Date/Time 4-28-07 9:10	
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	

Track Shipments
Detailed Results [Quick Help](#)

Tracking number	790235661245	Reference	gwo-06-8
Signed for by	J.CLARK	Destination	Earth City, MO
Ship date	Apr 27, 2007	Delivered to	Shipping/Receiving
Delivery date	Apr 28, 2007 9:03 AM	Service type	Priority Overnight
		Weight	58.0 lbs.
Status	Delivered		
Signature image available	Yes		

Date/Time	Activity	Location	Details
Apr 28, 2007	9:03 AM	Delivered	Earth City, MO
	7:58 AM	On FedEx vehicle for delivery	EARTH CITY, MO
	7:14 AM	At local FedEx facility	EARTH CITY, MO
	5:29 AM	At dest sort facility	BERKELEY, MO
	4:50 AM	Departed FedEx location	MEMPHIS, TN
Apr 27, 2007	5:21 PM	Left origin	PASCO, WA
	4:14 PM	Picked up	PASCO, WA
	3:28 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](#)

STLLot #(s):
- 1244 -F70280119
F70 300103

Condition Upon Receipt Form

Client: STL-Richland
Quote No: 75130COC/RFA No: See Below
Initiated By: ABDate: 4-28-07
Time: 9:10

Shipping Information

Shipper Name: Fed Ex
Shipping # (s):*Multiple Packages Y (N)
Sample Temperature (s):**1. 7902 3566 1245

6. _____

1. 2°

6. _____

2. _____

7. _____

2. _____

7. _____

3. _____

8. _____

3. _____

8. _____

4. _____

9. _____

4. _____

9. _____

5. _____

10. _____

5. _____

10. _____

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	Y <u>(N)</u>	Was sample received broken?	8.	<u>(Y)</u> N	Sample received with Chain of Custody?
2.	<u>(Y)</u> N N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9.	<u>(Y)</u> 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.	<u>(Y)</u> N	Are there custody seals present on cooler?
4.	<u>(Y)</u> N	Sample received in proper containers?	11.	Y <u>(N)</u> N/A	Do custody seals on cooler appear to be tampered with?
5.	<u>(Y)</u> N	Sample volume sufficient for analysis?	12.	<u>(Y)</u> N	Are there custody seals present on bottles?
6.	Y N <u>(N/A)</u>	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y <u>(N)</u> N/A	Do custody seals on bottles appear to be tampered with?
7.	Y <u>(N)</u>	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: COC - 507-004107-036-76, 79JW
05-26-07

Corrective Action:

☐ Client Contact Name: _____

Informed by: _____

☐ Sample(s) processed "as is"☐ Sample(s) on hold until: _____

If released, notify: _____

Project Management Review: [Signature]Date: 5-1-07

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: B1MDV4

GC/MS Volatiles

Lot-Sample #....: F7D260185-001 Work Order #....: JVN6L1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/26/07 Analysis Date...: 04/26/07
 Prep Batch #....: 7120454
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	0.24 J	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
4-Bromofluorobenzene	86	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MDV4

GC/MS Volatiles

Lot-Sample #: F7D260185-001

Work Order #: JVN6L1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MDT8

GC/MS Volatiles

Lot-Sample #....: F7D260185-002 Work Order #....: JVN6Q1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/26/07 Analysis Date...: 04/27/07
 Prep Batch #....: 7120454
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	1.6	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	97	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

Pacific Northwest National Laboratory

B1MDT8

GC/MS Volatiles

Lot-Sample #: F7D260185-002

Work Order #: JVN6Q1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MDV1

GC/MS Volatiles

Lot-Sample #....: F7D260185-003 Work Order #....: JVN601AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/26/07 Analysis Date...: 04/27/07
 Prep Batch #....: 7120454
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
4-Bromofluorobenzene	87	(75 - 114)

Pacific Northwest National Laboratory

B1MDV1

GC/MS Volatiles

Lot-Sample #: F7D260185-003

Work Order #: JVN601AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MM58

GC/MS Volatiles

Lot-Sample #....: F7D260185-004 Work Order #....: JVN631AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/26/07 Analysis Date...: 04/27/07
 Prep Batch #....: 7120454
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
4-Bromofluorobenzene	87	(75 - 114)

Pacific Northwest National Laboratory

B1MM58

GC/MS Volatiles

Lot-Sample #: F7D260185-004

Work Order #: JVN631AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MPP2

GC/MS Volatiles

Lot-Sample #....: F7D260186-001 Work Order #....: JVN7H1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	92	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

Pacific Northwest National Laboratory

B1MPP2

GC/MS Volatiles

Lot-Sample #: F7D260186-001

Work Order #: JVN7H1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MPP8

GC/MS Volatiles

Lot-Sample #....: F7D260186-002 Work Order #....: JVN7M1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	87	(75 - 114)

Pacific Northwest National Laboratory

B1MPP8

GC/MS Volatiles

Lot-Sample #: F7D260186-002

Work Order #: JVN7M1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MR66

GC/MS Volatiles

Lot-Sample #....: F7D260186-008 Work Order #....: JVN8A1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 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	0.72 J	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	ND	1.0	ug/L	0.037
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	86	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MR66

GC/MS Volatiles

Lot-Sample #: F7D260186-008

Work Order #: JVN8A1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MR62

GC/MS Volatiles

Lot-Sample #....: F7D260186-010 Work Order #....: JVN8F1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	89	(75 - 114)

Pacific Northwest National Laboratory

B1MR62

GC/MS Volatiles

Lot-Sample #: F7D260186-010

Work Order #: JVN8FLAC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MPN1

GC/MS Volatiles

Lot-Sample #....: F7D270256-001 Work Order #....: JVTL41AC Matrix.....: WATER
 Date Sampled....: 04/26/07 Date Received...: 04/27/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT	
	RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	97	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	87	(75 - 114)

Pacific Northwest National Laboratory

B1MPN1

GC/MS Volatiles

Lot-Sample #: F7D270256-001

Work Order #: JVTL41AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MM59

GC/MS Volatiles

Lot-Sample #....: F7D270257-001 Work Order #....: JVT181AC Matrix.....: WATER
 Date Sampled....: 04/26/07 Date Received...: 04/27/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	97	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	88	(75 - 114)

Pacific Northwest National Laboratory

B1MM59

GC/MS Volatiles

Lot-Sample #: F7D270257-001

Work Order #: JVTLS1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: SL688

Work Order #....: JV0V71AA

Matrix.....: WATER

MB Lot-Sample #: F7D300000-454

Prep Date.....: 04/26/07

Analysis Date...: 04/26/07

Prep Batch #....: 7120454

Dilution Factor: 1

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

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

NOTE(S):

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

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7D300000-454 B Work Order #: JV0V71AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL688

Work Order #...: JV2P91AA

Matrix.....: WATER

MB Lot-Sample #: F7E010000-375

Prep Date.....: 04/30/07

Analysis Date...: 04/30/07

Prep Batch #...: 7121375

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	0.13 J	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	95	(73 - 137)
4-Bromofluorobenzene	93	(75 - 114)

NOTE(S):

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

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7E010000-375 B Work Order #: JV2P91AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688 Work Order #....: JV0V71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: F7D300000-454 JV0V71AD-LCSD
 Prep Date.....: 04/26/07 Analysis Date...: 04/26/07
 Prep Batch #....: 7120454
 Dilution Factor: 1

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

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL688 Work Order #...: JV0V71AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: F7D300000-454 JV0V71AD-LCSD

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

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

NOTE(S) :

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

Bold print denotes control parameters

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688 Work Order #....: JV2P91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: F7E010000-375 JV2P91AD-LCSD
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.0	ug/L	100	0.10	SW846 8260B
Ethylbenzene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.2	ug/L	112	0.35	SW846 8260B
1,4-Dioxane	200	195	ug/L	97		SW846 8260B
	200	201	ug/L	101	3.2	SW846 8260B
Vinyl chloride	10.0	11.7	ug/L	117		SW846 8260B
	10.0	11.5	ug/L	115	1.5	SW846 8260B
Acetone	10.0	7.64	ug/L	76		SW846 8260B
	10.0	9.19	ug/L	92	18	SW846 8260B
Methylene chloride	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.3	ug/L	103	0.88	SW846 8260B
Carbon disulfide	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.55	ug/L	96	5.8	SW846 8260B
1,1-Dichloroethane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.92	ug/L	99	1.0	SW846 8260B
2-Butanone	10.0	9.35	ug/L	93		SW846 8260B
	10.0	9.77	ug/L	98	4.4	SW846 8260B
Chloroform	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.4	ug/L	104	0.19	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.89	ug/L	99	4.9	SW846 8260B
Propionitrile	50.0	46.1	ug/L	92		SW846 8260B
	50.0	49.0	ug/L	98	6.2	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.0	ug/L	100	3.1	SW846 8260B
1,1,1-Trichloroethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	1.1	SW846 8260B
Carbon tetrachloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.1	ug/L	101	2.5	SW846 8260B
1,2-Dichloroethane	10.0	9.50	ug/L	95		SW846 8260B
	10.0	9.60	ug/L	96	0.99	SW846 8260B
Benzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.090	SW846 8260B
Trichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.94	ug/L	99	2.8	SW846 8260B
4-Methyl-2-pentanone	10.0	9.95	ug/L	100		SW846 8260B
	10.0	10.9	ug/L	109	9.1	SW846 8260B
1,1,2-Trichloroethane	10.0	9.93	ug/L	99		SW846 8260B
	10.0	10.5	ug/L	105	5.8	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL688 Work Order #...: JV2P91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: F7E010000-375 JV2P91AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.2	ug/L	102	1.4	SW846 8260B
Tetrahydrofuran	50.0	49.5	ug/L	99		SW846 8260B
	50.0	50.5	ug/L	101	2.1	SW846 8260B
1,4-Dichlorobenzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.19	SW846 8260B
1-Butanol	100	113	ug/L	113		SW846 8260B
	100	107	ug/L	107	5.3	SW846 8260B
Toluene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.9	ug/L	109	0.090	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(90 - 118)
	109	(90 - 118)
Dibromofluoromethane	102	(83 - 125)
	103	(83 - 125)
1,2-Dichloroethane-d4	95	(75 - 135)
	98	(75 - 135)
4-Bromofluorobenzene	110	(78 - 119)
	120 *	(78 - 119)

NOTE(S) :

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688 Work Order #....: JVN6L1AE-MS Matrix.....: WATER
 MS Lot-Sample #: F7D260185-001 JVN6L1AF-MSD
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/26/07 Analysis Date...: 04/27/07
 Prep Batch #....: 7120454
 Dilution Factor: 1

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

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688

Work Order #....: JVN6L1AE-MS

Matrix.....: WATER

MS Lot-Sample #: F7D260185-001

JVN6L1AF-MSD

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

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

NOTE(S):

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

Bold print denotes control parameters

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688 Work Order #....: JVN7H1AD-MS Matrix.....: WATER
 MS Lot-Sample #: F7D260186-001 JVN7H1AE-MSD
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 04/30/07 Analysis Date...: 04/30/07
 Prep Batch #....: 7121375
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.73	ug/L	97		SW846 8260B
	ND	10.0	10.3	ug/L	103	5.8	SW846 8260B
Ethylbenzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.2	ug/L	102	1.4	SW846 8260B
1,4-Dioxane	ND	200	192	ug/L	96		SW846 8260B
	ND	200	216	ug/L	108	12	SW846 8260B
Vinyl chloride	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	12.3	ug/L	123	4.8	SW846 8260B
Acetone	ND	10.0	9.36	ug/L	94		SW846 8260B
	ND	10.0	9.29	ug/L	93	0.76	SW846 8260B
Methylene chloride	ND	10.0	9.63	ug/L	96		SW846 8260B
	ND	10.0	10.0	ug/L	100	4.0	SW846 8260B
Carbon disulfide	ND	10.0	9.86	ug/L	99		SW846 8260B
	ND	10.0	10.2	ug/L	102	3.0	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	11.0	ug/L	110	2.1	SW846 8260B
2-Butanone	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	9.30	ug/L	93	15	SW846 8260B
Chloroform	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.2	ug/L	112	2.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	11.0	ug/L	110	7.2	SW846 8260B
Propionitrile	ND	50.0	53.2	ug/L	106		SW846 8260B
	ND	50.0	53.8	ug/L	108	1.1	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.7	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.5	ug/L	105	3.6	SW846 8260B
Carbon tetrachloride	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.4	SW846 8260B
1,2-Dichloroethane	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	11.0	ug/L	110	2.1	SW846 8260B
Benzene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.8	ug/L	108	0.92	SW846 8260B
Trichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.5	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.2	ug/L	102	3.8	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.4	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: SL688

Work Order #....: JVN7H1AD-MS

Matrix.....: WATER

MS Lot-Sample #: F7D260186-001

JVN7H1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	9.65	ug/L	97	2.4	SW846 8260B
Tetrahydrofuran	ND	50.0	58.4	ug/L	117		SW846 8260B
	ND	50.0	57.8	ug/L	116	0.98	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	9.01	ug/L	90		SW846 8260B
	ND	10.0	9.20	ug/L	92	2.1	SW846 8260B
1-Butanol	ND	100	102	ug/L	102		SW846 8260B
	ND	100	124	ug/L	124	20	SW846 8260B
Toluene	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	9.38	ug/L	94	2.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	88	(76 - 117)
	88	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
	98	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
	95	(73 - 137)
4-Bromofluorobenzene	85	(75 - 114)
	87	(75 - 114)

NOTE (S) :

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

Bold print denotes control parameters

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1MNT4

GC Semivolatiles

Lot-Sample #....: F7D240236-025 Work Order #....: JVJ0M1AC Matrix.....: WATER
 Date Sampled....: 04/23/07 Date Received...: 04/24/07
 Prep Date.....: 04/25/07 Analysis Date...: 04/26/07
 Prep Batch #....: 7115295
 Dilution Factor: 1 Method.....: SW846 8040A

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

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2,4,6-Tribromophenol	88	(55 - 118)
2-Fluorophenol	81	(40 - 98)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: SL688

Work Order #....: JVLX41AA

Matrix.....: WATER

MB Lot-Sample #: F7D250000-295

Prep Date.....: 04/25/07

Analysis Date...: 04/26/07

Prep Batch #....: 7115295

Dilution Factor: 1

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

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

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: SL688 Work Order #....: JVLX41AC Matrix.....: WATER
 LCS Lot-Sample#: F7D250000-295
 Prep Date.....: 04/25/07 Analysis Date...: 04/26/07
 Prep Batch #....: 7115295
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	100	82.2	ug/L	82	SW846 8040A
4-Chloro-3-methylphenol	100	87.3	ug/L	87	SW846 8040A
3-Methylphenol & 4-Methylphenol	100	84.9	ug/L	85	SW846 8040A
2-Methylphenol	100	83.9	ug/L	84	SW846 8040A
2,4-Dichlorophenol	100	82.9	ug/L	83	SW846 8040A
2,6-Dichlorophenol	100	84.4	ug/L	84	SW846 8040A
2,4-Dimethylphenol	100	85.3	ug/L	85	SW846 8040A
2,4-Dinitrophenol	100	89.7	ug/L	90	SW846 8040A
4,6-Dinitro- 2-methylphenol	100	87.9	ug/L	88	SW846 8040A
Dinoseb	100	94.2	ug/L	94	SW846 8040A
2-Nitrophenol	100	86.2	ug/L	86	SW846 8040A
4-Nitrophenol	100	87.3	ug/L	87	SW846 8040A
Pentachlorophenol	100	83.3	ug/L	83	SW846 8040A
Phenol	100	83.3	ug/L	83	SW846 8040A
2,3,4,6-Tetrachlorophenol	100	93.5	ug/L	94	SW846 8040A
2,4,5-Trichloro- phenol	100	86.5	ug/L	87	SW846 8040A
2,4,6-Trichloro- phenol	100	90.6	ug/L	91	SW846 8040A
SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS		
2,4,6-Tribromophenol	90		(66 - 99)		
2-Fluorophenol	82		(50 - 82)		

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: SL688 Work Order #....: JVJ0M1AD-MS Matrix.....: WATER
 MS Lot-Sample #: F7D240236-025 JVJ0M1AE-MSD
 Date Sampled....: 04/23/07 Date Received...: 04/24/07
 Prep Date.....: 04/25/07 Analysis Date...: 04/26/07
 Prep Batch #....: 7115295
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.0	75.6	ug/L	80		SW846 8040A
	ND	95.1	46.0	ug/L	48 p	49	SW846 8040A
4-Chloro-3-methylphenol	ND	95.0	81.2	ug/L	85		SW846 8040A
	ND	95.1	49.2	ug/L	52 p	49	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.0	79.6	ug/L	84		SW846 8040A
	ND	95.1	46.1	ug/L	48 p	53	SW846 8040A
2-Methylphenol	ND	95.0	78.2	ug/L	82		SW846 8040A
	ND	95.1	45.6	ug/L	48 p	53	SW846 8040A
2,4-Dichlorophenol	ND	95.0	77.6	ug/L	82		SW846 8040A
	ND	95.1	44.7	ug/L	47 p	54	SW846 8040A
2,6-Dichlorophenol	ND	95.0	79.1	ug/L	83		SW846 8040A
	ND	95.1	45.3	ug/L	48 p	54	SW846 8040A
2,4-Dimethylphenol	ND	95.0	79.3	ug/L	83		SW846 8040A
	ND	95.1	46.3	ug/L	49 p	53	SW846 8040A
2,4-Dinitrophenol	ND	95.0	83.9	ug/L	88		SW846 8040A
	ND	95.1	50.5	ug/L	53 p	50	SW846 8040A
4,6-Dinitro- 2-methylphenol	ND	95.0	83.0	ug/L	87		SW846 8040A
	ND	95.1	49.3	ug/L	52 p	51	SW846 8040A
Dinoseb	ND	95.0	88.8	ug/L	93		SW846 8040A
	ND	95.1	54.0	ug/L	57 N,p	49	SW846 8040A
2-Nitrophenol	ND	95.0	81.4	ug/L	86		SW846 8040A
	ND	95.1	43.9	ug/L	46 p	60	SW846 8040A
4-Nitrophenol	ND	95.0	82.6	ug/L	87		SW846 8040A
	ND	95.1	52.6	ug/L	55 N,p	44	SW846 8040A
Pentachlorophenol	ND	95.0	78.3	ug/L	82		SW846 8040A
	ND	95.1	47.3	ug/L	50 N,p	49	SW846 8040A
Phenol	ND	95.0	76.9	ug/L	81		SW846 8040A
	ND	95.1	44.6	ug/L	47 p	53	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.0	88.4	ug/L	93		SW846 8040A
	ND	95.1	44.8	ug/L	47 p	65	SW846 8040A
2,4,5-Trichloro- phenol	ND	95.0	80.4	ug/L	85		SW846 8040A
	ND	95.1	48.6	ug/L	51 p	49	SW846 8040A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL688

Work Order #...: JVVJOMLAD-MS

Matrix.....: WATER

MS Lot-Sample #: F7D240236-025

JVVJOMLAE-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT	RPD	METHOD
	AMOUNT	AMT	AMOUNT		RECVRY		
2,4,6-Trichloro-phenol	ND	95.0	81.7	ug/L	86		SW846 8040A
	ND	95.1	49.1	ug/L	52 p	50	SW846 8040A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2,4,6-Tribromophenol	89	(55 - 118)
	56	(55 - 118)
2-Fluorophenol	79	(40 - 98)
	46	(40 - 98)

NOTE(S) :

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

Bold print denotes control parameters

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

N Spiked analyte recovery is outside stated control limits.

PESTICIDES

Pacific Northwest National Laboratory

Client Sample ID: B1MPN5

GC Semivolatiles

Lot-Sample #....: F7D260186-003 Work Order #....: JVN7Q1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 05/01/07 Analysis Date...: 05/02/07
 Prep Batch #....: 7121110
 Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0047
4,4'-DDD	ND	0.050	ug/L	0.0031
4,4'-DDE	ND	0.050	ug/L	0.0059
4,4'-DDT	ND	0.050	ug/L	0.0098
Endosulfan I	ND	0.050	ug/L	0.0031
Endosulfan II	ND	0.050	ug/L	0.0032
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0029
alpha-BHC	ND	0.050	ug/L	0.0044
beta-BHC	ND	0.050	ug/L	0.0065
Endrin	ND	0.050	ug/L	0.0067
delta-BHC	ND	0.050	ug/L	0.0032
Heptachlor	ND	0.050	ug/L	0.0052
Heptachlor epoxide	ND	0.050	ug/L	0.0041
Methoxychlor	ND	0.10	ug/L	0.0081
Chlordane (technical)	ND	0.50	ug/L	0.032
Dieldrin	ND	0.050	ug/L	0.0036
Endosulfan sulfate	ND	0.050	ug/L	0.0082
Endrin aldehyde	ND	0.050	ug/L	0.0027
Toxaphene	ND	2.0	ug/L	0.19
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Tetrachloro-m-xylene	103		(30 - 126)	
Decachlorobiphenyl	105		(32 - 119)	

Pacific Northwest National Laboratory

Client Sample ID: B1MPN6

GC Semivolatiles

Lot-Sample #....: F7D260186-004 Work Order #....: JVN7X1AC Matrix.....: WATER
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 05/01/07 Analysis Date...: 05/02/07
 Prep Batch #....: 7121110
 Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0047
4,4'-DDD	ND	0.050	ug/L	0.0031
4,4'-DDE	ND	0.050	ug/L	0.0059
4,4'-DDT	ND	0.050	ug/L	0.0098
Endosulfan I	ND	0.050	ug/L	0.0031
Endosulfan II	ND	0.050	ug/L	0.0032
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0029
alpha-BHC	ND	0.050	ug/L	0.0044
beta-BHC	ND	0.050	ug/L	0.0065
Endrin	ND	0.050	ug/L	0.0067
delta-BHC	ND	0.050	ug/L	0.0032
Heptachlor	ND	0.050	ug/L	0.0052
Heptachlor epoxide	ND	0.050	ug/L	0.0041
Methoxychlor	ND	0.10	ug/L	0.0081
Chlordane (technical)	ND	0.50	ug/L	0.032
Dieldrin	ND	0.050	ug/L	0.0036
Endosulfan sulfate	ND	0.050	ug/L	0.0082
Endrin aldehyde	ND	0.050	ug/L	0.0027
Toxaphene	ND	2.0	ug/L	0.19
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Tetrachloro-m-xylene	106		(30 - 126)	
Decachlorobiphenyl	117		(32 - 119)	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: SL688
 MB Lot-Sample #: F7E010000-110

Work Order #....: JVL1A1AA

Matrix.....: WATER

Analysis Date...: 05/02/07
 Dilution Factor: 1

Prep Date.....: 05/01/07

Prep Batch #....: 7121110

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Aldrin	ND	0.050	ug/L		SW846 8081A
4,4'-DDD	ND	0.050	ug/L		SW846 8081A
4,4'-DDE	ND	0.050	ug/L		SW846 8081A
4,4'-DDT	ND	0.050	ug/L		SW846 8081A
Endosulfan I	ND	0.050	ug/L		SW846 8081A
Endosulfan II	ND	0.050	ug/L		SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L		SW846 8081A
alpha-BHC	ND	0.050	ug/L		SW846 8081A
beta-BHC	ND	0.050	ug/L		SW846 8081A
Endrin	ND	0.050	ug/L		SW846 8081A
delta-BHC	ND	0.050	ug/L		SW846 8081A
Heptachlor	ND	0.050	ug/L		SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L		SW846 8081A
Methoxychlor	ND	0.10	ug/L		SW846 8081A
Chlordane (technical)	ND	0.50	ug/L		SW846 8081A
Dieldrin	ND	0.050	ug/L		SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L		SW846 8081A
Endrin aldehyde	ND	0.050	ug/L		SW846 8081A
Toxaphene	ND	2.0	ug/L		SW846 8081A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	104	(30 - 126)
Decachlorobiphenyl	116	(32 - 119)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: SL688 Work Order #....: JV1AL1AC Matrix.....: WATER
 LCS Lot-Sample#: F7E010000-110
 Prep Date.....: 05/01/07 Analysis Date...: 05/02/07
 Prep Batch #....: 7121110
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	0.500	0.456	ug/L	91	SW846 8081A
4,4'-DDT	0.500	0.444	ug/L	89	SW846 8081A
4,4'-DDD	0.500	0.455	ug/L	91	SW846 8081A
4,4'-DDE	0.500	0.463	ug/L	93	SW846 8081A
Endosulfan I	0.500	0.455	ug/L	91	SW846 8081A
Endosulfan II	0.500	0.449	ug/L	90	SW846 8081A
gamma-BHC (Lindane)	0.500	0.463	ug/L	93	SW846 8081A
alpha-BHC	0.500	0.485	ug/L	97	SW846 8081A
Endrin	0.500	0.448	ug/L	90	SW846 8081A
beta-BHC	0.500	0.428	ug/L	86	SW846 8081A
Heptachlor	0.500	0.462	ug/L	92	SW846 8081A
delta-BHC	0.500	0.471	ug/L	94	SW846 8081A
Heptachlor epoxide	0.500	0.457	ug/L	91	SW846 8081A
Methoxychlor	0.500	0.447	ug/L	89	SW846 8081A
Dieldrin	0.500	0.450	ug/L	90	SW846 8081A
Endosulfan sulfate	0.500	0.462	ug/L	92	SW846 8081A
Endrin aldehyde	0.500	0.454	ug/L	91	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(30 - 126)
Decachlorobiphenyl	104	(32 - 119)

NOTE(S) :

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: SL688 Work Order #....: JVN7Q1AE-MS Matrix.....: WATER
 MS Lot-Sample #: F7D260186-003 JVN7Q1AF-MSD
 Date Sampled....: 04/25/07 Date Received...: 04/26/07
 Prep Date.....: 05/01/07 Analysis Date...: 05/02/07
 Prep Batch #....: 7121110
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.950	0.884	ug/L	93		SW846 8081A
	ND	0.950	0.894	ug/L	94	1.1	SW846 8081A
4,4'-DDT	ND	0.950	0.882	ug/L	93		SW846 8081A
	ND	0.950	0.915	ug/L	96	3.7	SW846 8081A
4,4'-DDD	ND	0.950	0.908	ug/L	96		SW846 8081A
	ND	0.950	0.916	ug/L	96	0.87	SW846 8081A
4,4'-DDE	ND	0.950	0.918	ug/L	97		SW846 8081A
	ND	0.950	0.940	ug/L	99	2.4	SW846 8081A
Endosulfan I	ND	0.950	0.882	ug/L	93		SW846 8081A
	ND	0.950	0.891	ug/L	94	1.0	SW846 8081A
Endosulfan II	ND	0.950	0.886	ug/L	93		SW846 8081A
	ND	0.950	0.908	ug/L	96	2.4	SW846 8081A
gamma-BHC (Lindane)	ND	0.950	0.875	ug/L	92		SW846 8081A
	ND	0.950	0.900	ug/L	95	2.8	SW846 8081A
alpha-BHC	ND	0.950	0.919	ug/L	97		SW846 8081A
	ND	0.950	0.939	ug/L	99	2.2	SW846 8081A
Endrin	ND	0.950	0.881	ug/L	93		SW846 8081A
	ND	0.950	0.898	ug/L	95	1.9	SW846 8081A
beta-BHC	ND	0.950	0.845	ug/L	89		SW846 8081A
	ND	0.950	0.846	ug/L	89	0.11	SW846 8081A
Heptachlor	ND	0.950	0.941	ug/L	99		SW846 8081A
	ND	0.950	0.923	ug/L	97	1.9	SW846 8081A
delta-BHC	ND	0.950	0.924	ug/L	97		SW846 8081A
	ND	0.950	0.934	ug/L	98	1.1	SW846 8081A
Heptachlor epoxide	ND	0.950	0.880	ug/L	93		SW846 8081A
	ND	0.950	0.897	ug/L	94	1.9	SW846 8081A
Methoxychlor	ND	0.950	0.885	ug/L	93		SW846 8081A
	ND	0.950	0.921	ug/L	97	4.0	SW846 8081A
Dieldrin	ND	0.950	0.867	ug/L	91		SW846 8081A
	ND	0.950	0.864	ug/L	91	0.34	SW846 8081A
Endosulfan sulfate	ND	0.950	0.925	ug/L	97		SW846 8081A
	ND	0.950	0.948	ug/L	100	2.4	SW846 8081A
Endrin aldehyde	ND	0.950	0.904	ug/L	95		SW846 8081A
	ND	0.950	0.926	ug/L	97	2.4	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	108	(30 - 126)
	108	(30 - 126)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL688 Work Order #...: JVN7Q1AE-MS Matrix.....: WATER
MS Lot-Sample #: F7D260186-003 JVN7Q1AF-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	111	(32 - 119)
	116	(32 - 119)

NOTE(S):

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

Bold print denotes control parameters

METALS

Pacific Northwest National Laboratory

Client Sample ID: B1MRB1

DISSOLVED Metals

Lot-Sample #....: F7D240227-001

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	83.8 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	59500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	8.4 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	27.2 B	100	ug/L	SW846 6010B	04/25-05/02/07	JVJM31AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	18900	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7510	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJM31AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MRB1

DISSOLVED Metals

Lot-Sample #....: F7D240227-001

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	27300	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJM31AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	306	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	18.7 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJM31AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #....: 7115194						
Arsenic	3.5 B	10.0	ug/L	SW846 6020	04/25-04/26/07	JVJM31AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MR96

DISSOLVED Metals

Lot-Sample #....: F7D240227-004

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	--------	--------------------	-------	--------	-------------------------------	-----------------

Prep Batch #....: 7115194

Arsenic

ND

10.0 ug/L

SW846 6020

04/25-04/26/07 JVJN41AC

Dilution Factor: 1

MDL.....: 2.0

Pacific Northwest National Laboratory

Client Sample ID: B1MNX9

DISSOLVED Metals

Lot-Sample #....: F7D240236-001

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	69.0 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	56400	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	12.6	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	163	100	ug/L	SW846 6010B	04/25-05/02/07	JVJQP1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	18300	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	5.5 B	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7060	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJQP1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJQP1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNK9

DISSOLVED Metals

Lot-Sample #....: F7D240236-001

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	24100	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJPQ1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	275	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPQ1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	19.8 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPQ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPQ1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY0

TOTAL Metals

Lot-Sample #....: F7D240236-002

Date Sampled....: 04/23/07

Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AC
		Dilution Factor: 1		MDL.....: 44.8		
Barium	68.6 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AD
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AE
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AF
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	56200	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AG
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	12.1	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AH
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AJ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AK
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJFPV1AL
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	18200	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AM
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AN
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AP
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	8190	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJFPV1AQ
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJFPV1AR
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNY0

TOTAL Metals

Lot-Sample #....: F7D240236-002

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	23900	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJPV1AT
		Dilution Factor: 1		MDL.....: 110		
Strontium	274	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPV1AU
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	19.8 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPV1AV
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJPV1AW
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY7

DISSOLVED Metals

Lot-Sample #....: F7D240236-003

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	76.4 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	59500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	4.0 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTH1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	18500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	8390	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTH1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNY7

DISSOLVED Metals

Lot-Sample #....: F7D240236-003

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	26600	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTH1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	303	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	17.4 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTH1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY8

TOTAL Metals

Lot-Sample #....: F7D240236-004

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	77.4 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AK
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	60100	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AN
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	3.2 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AP
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	31.9 B	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTL1AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	18700	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AU
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AV
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	8100	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTL1AX
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1AO
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNY8

TOTAL Metals

Lot-Sample #....: F7D240236-004

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	26800	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTL1A1
		Dilution Factor: 1		MDL.....: 110		
Strontium	306	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1A2
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	17.9 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1A3
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTL1A4
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY3

DISSOLVED Metals

Lot-Sample #....: F7D240236-005

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	45.9 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	48100	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	10.4	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTN1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16000	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	6570	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTN1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: BIMNY3

DISSOLVED Metals

Lot-Sample #....: F7D240236-005

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	28500	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTN1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	283	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.6 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTN1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY4

TOTAL Metals

Lot-Sample #....: F7D240236-006

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	45.2 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AK
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	47500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AN
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	19.8	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AP
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	135	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTP1AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	15900	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AU
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AV
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7390	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTP1AX
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1AO
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNY4

TOTAL Metals

Lot-Sample #....: F7D240236-006

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	28300	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTP1A1
		Dilution Factor: 1		MDL.....: 110		
Strontium	278	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1A2
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.5 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1A3
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTP1A4
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNK5

DISSOLVED Metals

Lot-Sample #...: F7D240236-007

Matrix.....: WATER

Date Sampled...: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	57.7 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	47500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	22.2	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	49.8 B	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTQ1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16700	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	6120	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTQ1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNK5

DISSOLVED Metals

Lot-Sample #...: F7D240236-007

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	20600	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTQ1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	235	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	21.9 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTQ1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNK6

TOTAL Metals

Lot-Sample #...: F7D240236-008

Matrix.....: WATER

Date Sampled...: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	56.6 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AK
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	47300	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AN
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	22.0	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AP
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJTW1AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16600	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AU
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AV
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	6150	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTW1AX
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1AO
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNX6

TOTAL Metals

Lot-Sample #....: F7D240236-008

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	20600	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJTW1A1
		Dilution Factor: 1		MDL.....: 110		
Strontium	233	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1A2
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	21.7 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1A3
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJTW1A4
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNW7

DISSOLVED Metals

Lot-Sample #....: F7D240236-009

Date Sampled....: 04/23/07

Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	66.8 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	52800	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	8.4 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJT11AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	17000	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7400	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT11AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNW7

DISSOLVED Metals

Lot-Sample #....: F7D240236-009

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	23800	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT11AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	267	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	19.5 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT11AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNW8

TOTAL Metals

Lot-Sample #....: F7D240236-010

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	66.1 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AK
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	52000	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AN
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	8.9 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AP
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJT41AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16700	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AU
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AV
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7140	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT41AX
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41AO
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNW8

TOTAL Metals

Lot-Sample #....: F7D240236-010

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	23800	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT41A1
		Dilution Factor: 1		MDL.....: 110		
Strontium	263	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41A2
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	19.5 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41A3
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT41A4
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNX1

DISSOLVED Metals

Lot-Sample #....: F7D240236-011

Date Sampled....: 04/23/07

Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	55.0 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	49300	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	28.4	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJT71AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16400	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7090	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT71AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNK1

DISSOLVED Metals

Lot-Sample #....: F7D240236-011

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	22100	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT71AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	232	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	21.4 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT71AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MNX2

TOTAL Metals

Lot-Sample #....: F7D240236-012

Date Sampled....: 04/23/07

Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	53.9 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AK
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	48400	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AN
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	28.1	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AP
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVJT91AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	16100	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AU
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AV
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7820	.5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT91AX
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91AO
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MNX2

TOTAL Metals

Lot-Sample #....: F7D240236-012

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	21700	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJT91A1
		Dilution Factor: 1		MDL.....: 110		
Strontium	228	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91A2
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	21.2 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91A3
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJT91A4
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MP54

DISSOLVED Metals

Lot-Sample #....: F7D240236-017

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	33.3 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	54700	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	4.1 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	116	100	ug/L	SW846 6010B	04/25-05/02/07	JVJWK1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	15200	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7290	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJWK1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWK1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MP54

DISSOLVED Metals

Lot-Sample #....: F7D240236-017

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	15900	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJWKLAR
		Dilution Factor: 1		MDL.....: 110		
Strontium	258	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWKLAT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	21.9 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWKLAU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	9.7 B	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJWKLAV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MP13

DISSOLVED Metals

Lot-Sample #....: F7D240236-023

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	98.2 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	131000	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	19.0	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	56.0 B	100	ug/L	SW846 6010B	04/25-05/02/07	JVJ0F1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	34700	5000	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	4.1 B	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	71.9	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	10200	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJ0F1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MP13

DISSOLVED Metals

Lot-Sample #....: F7D240236-023

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	25600	5000	ug/L	SW846 6010B	04/25-05/02/07	JVJ0F1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	658	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	11.3 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVJ0F1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MJR3

DISSOLVED Metals

Lot-Sample #....: F7D250225-005

Date Sampled....: 04/24/07

Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	39.2 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	55500	5000	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	7.9 B	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVLQW1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	11000	5000	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	3240 B	5000	ug/L	SW846 6010B	04/25-05/02/07	JVLQW1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MJR3

DISSOLVED Metals

Lot-Sample #....: F7D250225-005

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	6560	5000	ug/L	SW846 6010B	04/25-05/02/07	JVLQW1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	288	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.1 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVLQW1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MJN2

DISSOLVED Metals

Lot-Sample #....: F7D250225-011

Matrix.....: WATER

Date Sampled....: 04/24/07

Date Received...: 04/25/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	48.4 B	200	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	73900	5000	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	12.6	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVLRALAK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	17600	5000	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	5040	5000	ug/L	SW846 6010B	04/25-05/02/07	JVLRALAP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRALAQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MJN2

DISSOLVED Metals

Lot-Sample #....: F7D250225-011

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	7160	5000	ug/L	SW846 6010B	04/25-05/02/07	JVLRA1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	411	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRA1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	11.3 B	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRA1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVLRA1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MR57

DISSOLVED Metals

Lot-Sample #....: F7D260186-005

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7117215						
Antimony	ND	60.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	19.0 B	200	ug/L	SW846 6010B	04/27-05/04/07	JVN701AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	32900	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN701AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/27-05/02/07	JVN701AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	9580	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN701AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	3.7 B	15.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	8420	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN701AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MR57

DISSOLVED Metals

Lot-Sample #....: F7D260186-005

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	32100	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN701AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	170	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/27-05/04/07	JVN701AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MR65

DISSOLVED Metals

Lot-Sample #...: F7D260186-007

Matrix.....: WATER

Date Sampled...: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7117215						
Antimony	ND	60.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	04/27-05/04/07	JVN791AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN791AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/27-05/02/07	JVN791AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN791AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN791AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MR65

DISSOLVED Metals

Lot-Sample #....: F7D260186-007

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Sodium	ND	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN791AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/27-05/04/07	JVN791AV
		Dilution Factor: 1		MDL.....: 9.6		

Pacific Northwest National Laboratory

Client Sample ID: B1MR61

DISSOLVED Metals

Lot-Sample #...: F7D260186-009

Matrix.....: WATER

Date Sampled...: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7117215						
Antimony	ND	60.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	18.7 B	200	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	33200	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/27-05/02/07	JVN8D1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	9670	5000	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	7770	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN8D1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MR61

DISSOLVED Metals

Lot-Sample #....: F7D260186-009

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	31000	5000	ug/L	SW846 6010B	04/27-05/02/07	JVN8D1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	171	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/27-05/04/07	JVN8D1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MPW6

DISSOLVED Metals

Lot-Sample #....: F7D280119-001

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7120400						
Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	32.7 B	200	ug/L	SW846 6010B	04/30-05/07/07	JVV981AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	61300	5000	ug/L	SW846 6010B	04/30-05/07/07	JVV981AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	34.2 B	100	ug/L	SW846 6010B	04/30-05/08/07	JVV981AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	13600	5000	ug/L	SW846 6010B	04/30-05/07/07	JVV981AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	4410 B	5000	ug/L	SW846 6010B	04/30-05/08/07	JVV981AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MPW6

DISSOLVED Metals

Lot-Sample #....: F7D280119-001

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	9240	5000	ug/L	SW846 6010B	04/30-05/08/07	JVV981AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	305	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	6.2 B	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JVV981AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MPW2

DISSOLVED Metals

Lot-Sample #...: F7D280119-003

Matrix.....: WATER

Date Sampled...: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7120400						
Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	32.0 B	200	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	61300	5000	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	41.9 B	100	ug/L	SW846 6010B	04/30-05/08/07	JVWAN1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	13600	5000	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	3.9 B	15.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	6580	5000	ug/L	SW846 6010B	04/30-05/08/07	JVWAN1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MPW2

DISSOLVED Metals

Lot-Sample #....: F7D280119-003

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	9300	5000	ug/L	SW846 6010B	04/30-05/08/07	JVWAN1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	303	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAN1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1MPX1

DISSOLVED Metals

Lot-Sample #....: F7D280119-005

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7120400						
Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	21.6 B	200	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	42300	5000	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	31.0 B	100	ug/L	SW846 6010B	04/30-05/08/07	JVWAW1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	10700	5000	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	5260	5000	ug/L	SW846 6010B	04/30-05/08/07	JVWAW1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1MPX1

DISSOLVED Metals

Lot-Sample #....: F7D280119-005

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	8190	5000	ug/L	SW846 6010B	04/30-05/08/07	JVWAW1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	201	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.0 B	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JVWAW1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1N750

DISSOLVED Metals

Lot-Sample #....: F7D300108-001

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7120400						
Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	64.9 B	200	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	86700	5000	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	245	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	2.8 B	25.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/30-05/08/07	JVXH91AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	19600	5000	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	6.3 B	15.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	8090	5000	ug/L	SW846 6010B	04/30-05/08/07	JVXH91AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N750

DISSOLVED Metals

Lot-Sample #....: F7D300108-001

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	15600	5000	ug/L	SW846 6010B	04/30-05/08/07	JVXH91AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	448	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JVXH91AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1N754

DISSOLVED Metals

Lot-Sample #....: F7D300108-003

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 7120400						
Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	29.2 B	200	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	31900	5000	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	7.8 B	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	04/30-05/08/07	JVXJG1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	6650	5000	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	11.5 B	15.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	3350 B	5000	ug/L	SW846 6010B	04/30-05/08/07	JVXJG1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AQ
		Dilution Factor: 1		MDL.....: 5.2		

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1N754

DISSOLVED Metals

Lot-Sample #....: F7D300108-003

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	9050	5000	ug/L	SW846 6010B	04/30-05/08/07	JVXJG1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	171	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	15.9 B	50.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JVXJG1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S) :

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7D250000-190 Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AW
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/25-05/04/07	JVK761AX
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A0
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A1
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/25-05/04/07	JVK761A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A3
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A4
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A5
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVK761A6
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/25-05/04/07	JVK761A7
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761A9
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/25-05/02/07	JVK761CA
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761CC
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/25-05/02/07	JVK761CD
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Strontium	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761CE
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761CF
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761CG
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7D250000-190 Prep Batch #....: 7115190						
Antimony	ND	60.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/25-05/04/07	JVK761AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/25-05/04/07	JVK761AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/25-05/02/07	JVK761AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/25-05/04/07	JVK761AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/25-05/02/07	JVK761AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/25-05/02/07	JVK761AR
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/25-05/04/07	JVK761AV
		Dilution Factor: 1				
MB Lot-Sample #: F7D250000-194 Prep Batch #....: 7115194						
Arsenic	ND	10.0	ug/L	SW846 6020	04/25-04/26/07	JVK9G1AA
		Dilution Factor: 1				
MB Lot-Sample #: F7D270000-215 Prep Batch #....: 7117215						
Antimony	ND	60.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/27-05/02/07	JVTEE1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AL
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Manganese	ND	15.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/27-05/02/07	JVTEE1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/27-05/02/07	JVTEE1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/27-05/04/07	JVTEE1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7D300000-400 Prep Batch #....: 7120400

Antimony	ND	60.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AH
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	04/30-05/08/07	JV0CC1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	04/30-05/08/07	JV0CC1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	04/30-05/08/07	JV0CC1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	04/30-05/07/07	JV0CC1AV
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7D250000-190 Prep Batch #....: 7115190							
Antimony	500	531	ug/L	106	SW846 6010B	04/25-05/04/07	JVK761C4
			Dilution Factor: 1				
Barium	500	527	ug/L	105	SW846 6010B	04/25-05/04/07	JVK761C5
			Dilution Factor: 1				
Beryllium	500	565	ug/L	113	SW846 6010B	04/25-05/04/07	JVK761C6
			Dilution Factor: 1				
Cadmium	500	543	ug/L	109	SW846 6010B	04/25-05/04/07	JVK761C7
			Dilution Factor: 1				
Calcium	10000	10900	ug/L	109	SW846 6010B	04/25-05/04/07	JVK761C8
			Dilution Factor: 1				
Chromium	500	535	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761C9
			Dilution Factor: 1				
Cobalt	500	533	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761DA
			Dilution Factor: 1				
Copper	500	522	ug/L	104	SW846 6010B	04/25-05/04/07	JVK761DC
			Dilution Factor: 1				
Iron	500	548	ug/L	110	SW846 6010B	04/25-05/02/07	JVK761DD
			Dilution Factor: 1				
Magnesium	10000	11000	ug/L	110	SW846 6010B	04/25-05/04/07	JVK761DE
			Dilution Factor: 1				
Manganese	500	539	ug/L	108	SW846 6010B	04/25-05/04/07	JVK761DF
			Dilution Factor: 1				
Nickel	500	528	ug/L	106	SW846 6010B	04/25-05/04/07	JVK761DG
			Dilution Factor: 1				
Potassium	10000	9620	ug/L	96	SW846 6010B	04/25-05/02/07	JVK761DH
			Dilution Factor: 1				
Silver	125	132	ug/L	105	SW846 6010B	04/25-05/04/07	JVK761DJ
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Sodium	10000	10700	ug/L	107	SW846 6010B	04/25-05/02/07	JVK761DK
			Dilution Factor: 1				
Strontium	500	540	ug/L	108	SW846 6010B	04/25-05/04/07	JVK761DL
			Dilution Factor: 1				
Vanadium	500	534	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761DM
			Dilution Factor: 1				
Zinc	500	510	ug/L	102	SW846 6010B	04/25-05/04/07	JVK761DN
			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 #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7D250000-190 Prep Batch #....: 7115190							
Antimony	500	531	ug/L	106	SW846 6010B	04/25-05/04/07	JVK761CH
			Dilution Factor: 1				
Barium	500	527	ug/L	105	SW846 6010B	04/25-05/04/07	JVK761CJ
			Dilution Factor: 1				
Beryllium	500	565	ug/L	113	SW846 6010B	04/25-05/04/07	JVK761CK
			Dilution Factor: 1				
Cadmium	500	543	ug/L	109	SW846 6010B	04/25-05/04/07	JVK761CL
			Dilution Factor: 1				
Calcium	10000	10900	ug/L	109	SW846 6010B	04/25-05/04/07	JVK761CM
			Dilution Factor: 1				
Chromium	500	535	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761CN
			Dilution Factor: 1				
Cobalt	500	533	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761CP
			Dilution Factor: 1				
Copper	500	522	ug/L	104	SW846 6010B	04/25-05/04/07	JVK761CQ
			Dilution Factor: 1				
Iron	500	548	ug/L	110	SW846 6010B	04/25-05/02/07	JVK761CR
			Dilution Factor: 1				
Magnesium	10000	11000	ug/L	110	SW846 6010B	04/25-05/04/07	JVK761CT
			Dilution Factor: 1				
Manganese	500	539	ug/L	108	SW846 6010B	04/25-05/04/07	JVK761CU
			Dilution Factor: 1				
Nickel	500	528	ug/L	106	SW846 6010B	04/25-05/04/07	JVK761CV
			Dilution Factor: 1				
Potassium	10000	9620	ug/L	96	SW846 6010B	04/25-05/02/07	JVK761CW
			Dilution Factor: 1				
Silver	125	132	ug/L	105	SW846 6010B	04/25-05/04/07	JVK761CX
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Sodium	10000	10700	ug/L	107	SW846 6010B	04/25-05/02/07	JVK761C0
Dilution Factor: 1							
Strontium	500	540	ug/L	108	SW846 6010B	04/25-05/04/07	JVK761C1
Dilution Factor: 1							
Vanadium	500	534	ug/L	107	SW846 6010B	04/25-05/04/07	JVK761C2
Dilution Factor: 1							
Zinc	500	510	ug/L	102	SW846 6010B	04/25-05/04/07	JVK761C3
Dilution Factor: 1							
ICS Lot-Sample#: F7D250000-194 Prep Batch #...: 7115194							
Arsenic	500	492	ug/L	98	SW846 6020	04/25-04/26/07	JVK9G1AC
Dilution Factor: 1							
ICS Lot-Sample#: F7D270000-215 Prep Batch #...: 7117215							
Antimony	500	526	ug/L	105	SW846 6010B	04/27-05/04/07	JVTEE1A0
Dilution Factor: 1							
Barium	500	514	ug/L	103	SW846 6010B	04/27-05/04/07	JVTEE1A1
Dilution Factor: 1							
Beryllium	500	549	ug/L	110	SW846 6010B	04/27-05/04/07	JVTEE1A0
Dilution Factor: 1							
Cadmium	500	528	ug/L	106	SW846 6010B	04/27-05/04/07	JVTEE1A1
Dilution Factor: 1							
Calcium	10000	10600	ug/L	106	SW846 6010B	04/27-05/04/07	JVTEE1A2
Dilution Factor: 1							
Chromium	500	520	ug/L	104	SW846 6010B	04/27-05/04/07	JVTEE1A3
Dilution Factor: 1							
Cobalt	500	517	ug/L	103	SW846 6010B	04/27-05/04/07	JVTEE1A4
Dilution Factor: 1							
Copper	500	509	ug/L	102	SW846 6010B	04/27-05/04/07	JVTEE1A5
Dilution Factor: 1							
Iron	500	546	ug/L	109	SW846 6010B	04/27-05/02/07	JVTEE1A6
Dilution Factor: 1							

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Magnesium	10000	10600	ug/L	106	SW846 6010B	04/27-05/04/07	JVTEE1A7
Dilution Factor: 1							
Manganese	500	525	ug/L	105	SW846 6010B	04/27-05/04/07	JVTEE1A8
Dilution Factor: 1							
Nickel	500	511	ug/L	102	SW846 6010B	04/27-05/04/07	JVTEE1A9
Dilution Factor: 1							
Potassium	10000	9480	ug/L	95	SW846 6010B	04/27-05/02/07	JVTEE1CA
Dilution Factor: 1							
Silver	125	128	ug/L	103	SW846 6010B	04/27-05/04/07	JVTEE1CC
Dilution Factor: 1							
Sodium	10000	10500	ug/L	105	SW846 6010B	04/27-05/02/07	JVTEE1CD
Dilution Factor: 1							
Strontium	500	529	ug/L	106	SW846 6010B	04/27-05/04/07	JVTEE1CE
Dilution Factor: 1							
Vanadium	500	520	ug/L	104	SW846 6010B	04/27-05/04/07	JVTEE1CF
Dilution Factor: 1							
Zinc	500	498	ug/L	100	SW846 6010B	04/27-05/04/07	JVTEE1CG
Dilution Factor: 1							
LCS Lot-Sample#: F7D300000-400 Prep Batch #....: 7120400							
Antimony	500	523	ug/L	105	SW846 6010B	04/30-05/07/07	JV0CC1AW
Dilution Factor: 1							
Barium	500	513	ug/L	103	SW846 6010B	04/30-05/07/07	JV0CC1AX
Dilution Factor: 1							
Beryllium	500	538	ug/L	108	SW846 6010B	04/30-05/07/07	JV0CC1A0
Dilution Factor: 1							
Cadmium	500	524	ug/L	105	SW846 6010B	04/30-05/07/07	JV0CC1A1
Dilution Factor: 1							
Calcium	10000	10700	ug/L	107	SW846 6010B	04/30-05/07/07	JV0CC1A2
Dilution Factor: 1							

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Chromium	500	517	ug/L	103	SW846 6010B	04/30-05/07/07	JV0CC1A3
			Dilution Factor: 1				
Cobalt	500	510	ug/L	102	SW846 6010B	04/30-05/07/07	JV0CC1A4
			Dilution Factor: 1				
Copper	500	505	ug/L	101	SW846 6010B	04/30-05/07/07	JV0CC1A5
			Dilution Factor: 1				
Iron	500	655 N	ug/L	131	SW846 6010B	04/30-05/08/07	JV0CC1A6
			Dilution Factor: 1				
Magnesium	10000	10700	ug/L	107	SW846 6010B	04/30-05/07/07	JV0CC1A7
			Dilution Factor: 1				
Manganese	500	522	ug/L	104	SW846 6010B	04/30-05/07/07	JV0CC1A8
			Dilution Factor: 1				
Nickel	500	508	ug/L	102	SW846 6010B	04/30-05/07/07	JV0CC1A9
			Dilution Factor: 1				
Potassium	10000	10800	ug/L	108	SW846 6010B	04/30-05/08/07	JV0CC1CA
			Dilution Factor: 1				
Silver	125	128	ug/L	102	SW846 6010B	04/30-05/07/07	JV0CC1CC
			Dilution Factor: 1				
Sodium	10000	10400	ug/L	104	SW846 6010B	04/30-05/08/07	JV0CC1CD
			Dilution Factor: 1				
Strontium	500	527	ug/L	105	SW846 6010B	04/30-05/07/07	JV0CC1CE
			Dilution Factor: 1				
Vanadium	500	508	ug/L	102	SW846 6010B	04/30-05/07/07	JV0CC1CF
			Dilution Factor: 1				
Zinc	500	487	ug/L	97	SW846 6010B	04/30-05/07/07	JV0CC1CG
			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

TOTAL Metals

Client Lot #...: SL688

Matrix.....: WATER

Date Sampled...: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7D240236-002 Prep Batch #...: 7115190									
Antimony									
ND	250	263	ug/L	105			SW846 6010B	04/25-05/04/07	JVJFPV1CM
ND	250	261	ug/L	104	0.86		SW846 6010B	04/25-05/04/07	JVJFPV1CN
Dilution Factor: 1									
Barium									
68.6	1000	1090	ug/L	103			SW846 6010B	04/25-05/04/07	JVJFPV1CP
68.6	1000	1090	ug/L	103	0.03		SW846 6010B	04/25-05/04/07	JVJFPV1CQ
Dilution Factor: 1									
Beryllium									
ND	25.0	27.6	ug/L	110			SW846 6010B	04/25-05/04/07	JVJFPV1CR
ND	25.0	27.6	ug/L	111	0.18		SW846 6010B	04/25-05/04/07	JVJFPV1CT
Dilution Factor: 1									
Cadmium									
ND	25.0	26.0	ug/L	104			SW846 6010B	04/25-05/04/07	JVJFPV1CU
ND	25.0	25.8	ug/L	103	0.81		SW846 6010B	04/25-05/04/07	JVJFPV1CV
Dilution Factor: 1									
Calcium									
56200	25000	80900	ug/L	99			SW846 6010B	04/25-05/04/07	JVJFPV1CW
56200	25000	80500	ug/L	97	0.49		SW846 6010B	04/25-05/04/07	JVJFPV1CX
Dilution Factor: 1									
Chromium									
12.1	100	116	ug/L	104			SW846 6010B	04/25-05/04/07	JVJFPV1C0
12.1	100	116	ug/L	104	0.0		SW846 6010B	04/25-05/04/07	JVJFPV1C1
Dilution Factor: 1									
Cobalt									
ND	250	251	ug/L	101			SW846 6010B	04/25-05/04/07	JVJFPV1C2
ND	250	252	ug/L	101	0.11		SW846 6010B	04/25-05/04/07	JVJFPV1C3
Dilution Factor: 1									
Copper									
ND	125	128	ug/L	102			SW846 6010B	04/25-05/04/07	JVJFPV1C4
ND	125	128	ug/L	103	0.53		SW846 6010B	04/25-05/04/07	JVJFPV1C5
Dilution Factor: 1									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Iron									
ND		500	549	ug/L	110		SW846 6010B	04/25-05/02/07	JVJFPV1C6
ND		500	542	ug/L	108	1.3	SW846 6010B	04/25-05/02/07	JVJFPV1C7
Dilution Factor: 1									
Magnesium									
18200		25000	43900	ug/L	103		SW846 6010B	04/25-05/04/07	JVJFPV1C8
18200		25000	43800	ug/L	102	0.34	SW846 6010B	04/25-05/04/07	JVJFPV1C9
Dilution Factor: 1									
Manganese									
ND		250	258	ug/L	103		SW846 6010B	04/25-05/04/07	JVJFPV1DA
ND		250	258	ug/L	103	0.08	SW846 6010B	04/25-05/04/07	JVJFPV1DC
Dilution Factor: 1									
Nickel									
ND		250	250	ug/L	100		SW846 6010B	04/25-05/04/07	JVJFPV1DD
ND		250	249	ug/L	99	0.36	SW846 6010B	04/25-05/04/07	JVJFPV1DE
Dilution Factor: 1									
Potassium									
8190		25000	32800	ug/L	99		SW846 6010B	04/25-05/02/07	JVJFPV1DF
8190		25000	33400	ug/L	101	1.6	SW846 6010B	04/25-05/02/07	JVJFPV1DG
Dilution Factor: 1									
Silver									
ND		25.0	26.2	ug/L	105		SW846 6010B	04/25-05/04/07	JVJFPV1DH
ND		25.0	25.4	ug/L	102	2.8	SW846 6010B	04/25-05/04/07	JVJFPV1DJ
Dilution Factor: 1									
Sodium									
23900		25000	49500	ug/L	103		SW846 6010B	04/25-05/02/07	JVJFPV1DK
23900		25000	49400	ug/L	102	0.34	SW846 6010B	04/25-05/02/07	JVJFPV1DL
Dilution Factor: 1									
Strontium									
274		500	795	ug/L	104		SW846 6010B	04/25-05/04/07	JVJFPV1DM
274		500	794	ug/L	104	0.14	SW846 6010B	04/25-05/04/07	JVJFPV1DN
Dilution Factor: 1									
Vanadium									
19.8		250	278	ug/L	103		SW846 6010B	04/25-05/04/07	JVJFPV1DP
19.8		250	278	ug/L	103	0.09	SW846 6010B	04/25-05/04/07	JVJFPV1DQ
Dilution Factor: 1									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	250	ug/L	100		SW846 6010B	04/25-05/04/07	JVJFV1DR
	ND	250	249	ug/L	99	0.35	SW846 6010B	04/25-05/04/07	JVJFV1DT

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 #...: SL688

Matrix.....: WATER

Date Sampled...: 04/23/07

Date Received...: 04/24/07

PARAMETER	AMOUNT	AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	--------	-----	------------------	-------	------------------	-----	--------	-------------------------------	-----------------

MS Lot-Sample #: F7D240227-001 Prep Batch #...: 7115190

Antimony

ND	250	262	ug/L	105			SW846 6010B	04/25-05/04/07	JVJM31AX
ND	250	260	ug/L	104	0.62		SW846 6010B	04/25-05/04/07	JVJM31A0

Dilution Factor: 1

Barium

83.8	1000	1100	ug/L	101			SW846 6010B	04/25-05/04/07	JVJM31A1
83.8	1000	1100	ug/L	101	0.10		SW846 6010B	04/25-05/04/07	JVJM31A2

Dilution Factor: 1

Beryllium

ND	25.0	27.5	ug/L	110			SW846 6010B	04/25-05/04/07	JVJM31A3
ND	25.0	27.4	ug/L	110	0.29		SW846 6010B	04/25-05/04/07	JVJM31A4

Dilution Factor: 1

Cadmium

ND	25.0	25.6	ug/L	102			SW846 6010B	04/25-05/04/07	JVJM31A5
ND	25.0	25.5	ug/L	102	0.23		SW846 6010B	04/25-05/04/07	JVJM31A6

Dilution Factor: 1

Calcium

59500	25000	80800	ug/L	85			SW846 6010B	04/25-05/04/07	JVJM31A7
59500	25000	80900	ug/L	86	0.12		SW846 6010B	04/25-05/04/07	JVJM31A8

Dilution Factor: 1

Chromium

8.4	100	111	ug/L	102			SW846 6010B	04/25-05/04/07	JVJM31A9
8.4	100	110	ug/L	102	0.10		SW846 6010B	04/25-05/04/07	JVJM31CA

Dilution Factor: 1

Cobalt

ND	250	250	ug/L	100			SW846 6010B	04/25-05/04/07	JVJM31CC
ND	250	250	ug/L	100	0.11		SW846 6010B	04/25-05/04/07	JVJM31CD

Dilution Factor: 1

Copper

ND	125	128	ug/L	102			SW846 6010B	04/25-05/04/07	JVJM31CE
ND	125	127	ug/L	102	0.12		SW846 6010B	04/25-05/04/07	JVJM31CF

Dilution Factor: 1

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Iron									
	27.2	500	580	ug/L	111		SW846 6010B	04/25-05/02/07	JVJM31CG
	27.2	500	565	ug/L	108	2.6	SW846 6010B	04/25-05/02/07	JVJM31CH
Dilution Factor: 1									
Magnesium									
	18900	25000	43300	ug/L	98		SW846 6010B	04/25-05/04/07	JVJM31CJ
	18900	25000	43300	ug/L	98	0.03	SW846 6010B	04/25-05/04/07	JVJM31CK
Dilution Factor: 1									
Manganese									
ND	250	258	258	ug/L	103		SW846 6010B	04/25-05/04/07	JVJM31CL
ND	250	258	258	ug/L	103	0.15	SW846 6010B	04/25-05/04/07	JVJM31CM
Dilution Factor: 1									
Nickel									
ND	250	252	252	ug/L	101		SW846 6010B	04/25-05/04/07	JVJM31CN
ND	250	251	251	ug/L	100	0.58	SW846 6010B	04/25-05/04/07	JVJM31CP
Dilution Factor: 1									
Potassium									
	7510	25000	33200	ug/L	103		SW846 6010B	04/25-05/02/07	JVJM31CQ
	7510	25000	34000	ug/L	106	2.4	SW846 6010B	04/25-05/02/07	JVJM31CR
Dilution Factor: 1									
Silver									
ND	25.0	26.1	26.1	ug/L	105		SW846 6010B	04/25-05/04/07	JVJM31CT
ND	25.0	25.2	25.2	ug/L	101	3.7	SW846 6010B	04/25-05/04/07	JVJM31CU
Dilution Factor: 1									
Sodium									
	27300	25000	53500	ug/L	105		SW846 6010B	04/25-05/02/07	JVJM31CV
	27300	25000	52900	ug/L	102	1.0	SW846 6010B	04/25-05/02/07	JVJM31CW
Dilution Factor: 1									
Strontium									
	306	500	812	ug/L	101		SW846 6010B	04/25-05/04/07	JVJM31CX
	306	500	813	ug/L	101	0.11	SW846 6010B	04/25-05/04/07	JVJM31CO
Dilution Factor: 1									
Vanadium									
	18.7	250	275	ug/L	102		SW846 6010B	04/25-05/04/07	JVJM31C1
	18.7	250	274	ug/L	102	0.18	SW846 6010B	04/25-05/04/07	JVJM31C2
Dilution Factor: 1									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	248	ug/L	99		SW846 6010B	04/25-05/04/07	JVJM31C3
	ND	250	247	ug/L	99	0.09	SW846 6010B	04/25-05/04/07	JVJM31C4

Dilution Factor: 1

MS Lot-Sample #: F7D240227-001 Prep Batch #....: 7115194

Arsenic

3.5	1000	967	ug/L	96		SW846 6020	04/25-04/26/07	JVJM31C5
3.5	1000	954	ug/L	95	1.4	SW846 6020	04/25-04/26/07	JVJM31C6

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 #....: SL688

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	---------------	-----------	---------------	-------	---------------	-----	--------	----------------------------	--------------

MS Lot-Sample #: F7D260186-005 Prep Batch #....: 7117215

Antimony

ND	250	259	ug/L	104			SW846 6010B	04/27-05/04/07	JVN701AW
ND	250	256	ug/L	102	1.2		SW846 6010B	04/27-05/04/07	JVN701AX

Dilution Factor: 1

Barium

19.0	1000	1030	ug/L	102			SW846 6010B	04/27-05/04/07	JVN701A0
19.0	1000	1020	ug/L	100	1.5		SW846 6010B	04/27-05/04/07	JVN701A1

Dilution Factor: 1

Beryllium

ND	25.0	27.3	ug/L	109			SW846 6010B	04/27-05/04/07	JVN701A2
ND	25.0	26.9	ug/L	108	1.2		SW846 6010B	04/27-05/04/07	JVN701A3

Dilution Factor: 1

Cadmium

ND	25.0	25.4	ug/L	102			SW846 6010B	04/27-05/04/07	JVN701A4
ND	25.0	25.1	ug/L	100	1.4		SW846 6010B	04/27-05/04/07	JVN701A5

Dilution Factor: 1

Calcium

32900	25000	58000	ug/L	100			SW846 6010B	04/27-05/04/07	JVN701A6
32900	25000	57100	ug/L	97	1.6		SW846 6010B	04/27-05/04/07	JVN701A7

Dilution Factor: 1

Chromium

ND	100	103	ug/L	103			SW846 6010B	04/27-05/04/07	JVN701A8
ND	100	101	ug/L	101	2.2		SW846 6010B	04/27-05/04/07	JVN701A9

Dilution Factor: 1

Cobalt

ND	250	252	ug/L	101			SW846 6010B	04/27-05/04/07	JVN701CA
ND	250	248	ug/L	99	1.6		SW846 6010B	04/27-05/04/07	JVN701CC

Dilution Factor: 1

Copper

ND	125	128	ug/L	102			SW846 6010B	04/27-05/04/07	JVN701CD
ND	125	125	ug/L	100	1.8		SW846 6010B	04/27-05/04/07	JVN701CE

Dilution Factor: 1

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Iron									
ND		500	545	ug/L	109		SW846 6010B	04/27-05/02/07	JVN701CF
ND		500	540	ug/L	108	1.0	SW846 6010B	04/27-05/02/07	JVN701CG
Dilution Factor: 1									
Magnesium									
9580		25000	35200	ug/L	102		SW846 6010B	04/27-05/04/07	JVN701CH
9580		25000	34700	ug/L	100	1.4	SW846 6010B	04/27-05/04/07	JVN701CJ
Dilution Factor: 1									
Manganese									
3.7		250	259	ug/L	102		SW846 6010B	04/27-05/04/07	JVN701CK
3.7		250	255	ug/L	101	1.4	SW846 6010B	04/27-05/04/07	JVN701CL
Dilution Factor: 1									
Nickel									
ND		250	247	ug/L	99		SW846 6010B	04/27-05/04/07	JVN701CM
ND		250	244	ug/L	98	1.5	SW846 6010B	04/27-05/04/07	JVN701CN
Dilution Factor: 1									
Potassium									
8420		25000	33200	ug/L	99		SW846 6010B	04/27-05/02/07	JVN701CP
8420		25000	32200	ug/L	95	3.1	SW846 6010B	04/27-05/02/07	JVN701CQ
Dilution Factor: 1									
Silver									
ND		25.0	25.4	ug/L	101		SW846 6010B	04/27-05/04/07	JVN701CR
ND		25.0	24.9	ug/L	100	1.7	SW846 6010B	04/27-05/04/07	JVN701CT
Dilution Factor: 1									
Sodium									
32100		25000	58000	ug/L	103		SW846 6010B	04/27-05/02/07	JVN701CU
32100		25000	56900	ug/L	99	1.8	SW846 6010B	04/27-05/02/07	JVN701CV
Dilution Factor: 1									
Strontium									
170		500	692	ug/L	104		SW846 6010B	04/27-05/04/07	JVN701CW
170		500	681	ug/L	102	1.5	SW846 6010B	04/27-05/04/07	JVN701CX
Dilution Factor: 1									
Vanadium									
ND		250	256	ug/L	102		SW846 6010B	04/27-05/04/07	JVN701C0
ND		250	252	ug/L	101	1.7	SW846 6010B	04/27-05/04/07	JVN701C1
Dilution Factor: 1									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL688

Matrix.....: WATER

Date Sampled...: 04/25/07

Date Received...: 04/26/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Zinc	ND	250	246	ug/L	98		SW846 6010B	04/27-05/04/07	JVN701C2
	ND	250	245	ug/L	98	0.42	SW846 6010B	04/27-05/04/07	JVN701C3

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 #...: SL688

Matrix.....: WATER

Date Sampled...: 04/27/07

Date Received...: 04/28/07

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECVR	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	--------	---------------------	------------------	-------	------------------	-----	--------	-------------------------------	-----------------

MS Lot-Sample #: F7D280119-001 Prep Batch #...: 7120400

Antimony

ND	250	258	ug/L	103			SW846 6010B	04/30-05/07/07	JVV981AW
ND	250	255	ug/L	102	1.1		SW846 6010B	04/30-05/07/07	JVV981AX

Dilution Factor: 1

Barium

32.7	1000	1040	ug/L	101			SW846 6010B	04/30-05/07/07	JVV981A0
32.7	1000	1040	ug/L	101	0.27		SW846 6010B	04/30-05/07/07	JVV981A1

Dilution Factor: 1

Beryllium

ND	25.0	26.9	ug/L	108			SW846 6010B	04/30-05/07/07	JVV981A2
ND	25.0	26.9	ug/L	107	0.26		SW846 6010B	04/30-05/07/07	JVV981A3

Dilution Factor: 1

Cadmium

ND	25.0	24.5	ug/L	98			SW846 6010B	04/30-05/07/07	JVV981A4
ND	25.0	24.5	ug/L	98	0.24		SW846 6010B	04/30-05/07/07	JVV981A5

Dilution Factor: 1

Calcium

61300	25000	85200	ug/L	96			SW846 6010B	04/30-05/07/07	JVV981A6
61300	25000	85100	ug/L	95	0.06		SW846 6010B	04/30-05/07/07	JVV981A7

Dilution Factor: 1

Chromium

ND	100	103	ug/L	103			SW846 6010B	04/30-05/07/07	JVV981A8
ND	100	103	ug/L	103	0.33		SW846 6010B	04/30-05/07/07	JVV981A9

Dilution Factor: 1

Cobalt

ND	250	245	ug/L	98			SW846 6010B	04/30-05/07/07	JVV981CA
ND	250	243	ug/L	97	0.66		SW846 6010B	04/30-05/07/07	JVV981CC

Dilution Factor: 1

Copper

ND	125	125	ug/L	100			SW846 6010B	04/30-05/07/07	JVV981CD
ND	125	125	ug/L	100	0.11		SW846 6010B	04/30-05/07/07	JVV981CE

Dilution Factor: 1

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Iron									
	34.2	500	557	ug/L	105		SW846 6010B	04/30-05/08/07	JVV981CF
	34.2	500	555	ug/L	104	0.27	SW846 6010B	04/30-05/08/07	JVV981CG
Dilution Factor: 1									
Magnesium									
	13600	25000	39100	ug/L	102		SW846 6010B	04/30-05/07/07	JVV981CH
	13600	25000	39000	ug/L	101	0.26	SW846 6010B	04/30-05/07/07	JVV981CJ
Dilution Factor: 1									
Manganese									
	ND	250	254	ug/L	102		SW846 6010B	04/30-05/07/07	JVV981CK
	ND	250	253	ug/L	101	0.48	SW846 6010B	04/30-05/07/07	JVV981CL
Dilution Factor: 1									
Nickel									
	ND	250	244	ug/L	98		SW846 6010B	04/30-05/07/07	JVV981CM
	ND	250	243	ug/L	97	0.24	SW846 6010B	04/30-05/07/07	JVV981CN
Dilution Factor: 1									
Potassium									
	4410	25000	32900	ug/L	114		SW846 6010B	04/30-05/08/07	JVV981CP
	4410	25000	33400	ug/L	116	1.7	SW846 6010B	04/30-05/08/07	JVV981CQ
Dilution Factor: 1									
Silver									
	ND	25.0	25.5	ug/L	102		SW846 6010B	04/30-05/07/07	JVV981CR
	ND	25.0	25.6	ug/L	102	0.31	SW846 6010B	04/30-05/07/07	JVV981CT
Dilution Factor: 1									
Sodium									
	9240	25000	34700	ug/L	102		SW846 6010B	04/30-05/08/07	JVV981CU
	9240	25000	35000	ug/L	103	0.94	SW846 6010B	04/30-05/08/07	JVV981CV
Dilution Factor: 1									
Strontium									
	305	500	814	ug/L	102		SW846 6010B	04/30-05/07/07	JVV981CW
	305	500	814	ug/L	102	0.08	SW846 6010B	04/30-05/07/07	JVV981CX
Dilution Factor: 1									
Vanadium									
	6.2	250	259	ug/L	101		SW846 6010B	04/30-05/07/07	JVV981C0
	6.2	250	259	ug/L	101	0.07	SW846 6010B	04/30-05/07/07	JVV981C1
Dilution Factor: 1									

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	238	ug/L	95		SW846 6010B	04/30-05/07/07	JVV981C2
	ND	250	240	ug/L	96	0.73	SW846 6010B	04/30-05/07/07	JVV981C3

Dilution Factor: 1

NOTE(S) :

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

WET CHEMISTRY

Pacific Northwest National Laboratory

Client Sample ID: B1MRB2

General Chemistry

Lot-Sample #....: F7D240227-002

Work Order #....: JVVJNP

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	16.1 D	4.0	mg/L	MCAWW 300.0A	04/24/07	7120419
			Dilution Factor: 20	MDL.....: 0.46		
Fluoride	0.53 N	0.10	mg/L	MCAWW 300.0A	04/24/07	7120420
			Dilution Factor: 1	MDL.....: 0.020		
Nitrate	10.3 D	0.40	mg/L	MCAWW 300.0A	04/24/07	7120423
			Dilution Factor: 20	MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/24/07	7120422
			Dilution Factor: 1	MDL.....: 0.0040		
Sulfate	63.9 D	10.0	mg/L	MCAWW 300.0A	04/24/07	7120421
			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: B1MR43

General Chemistry

Lot-Sample #....: F7D240227-003

Work Order #....: JVJNT

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	6.8 D	2.0	mg/L	MCAWW 300.0A	04/24/07	7120419
			Dilution Factor: 10	MDL.....: 0.23		
Fluoride	0.38 N	0.10	mg/L	MCAWW 300.0A	04/24/07	7120420
			Dilution Factor: 1	MDL.....: 0.020		
Nitrate	2.1 D	0.20	mg/L	MCAWW 300.0A	04/24/07	7120423
			Dilution Factor: 10	MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/24/07	7120422
			Dilution Factor: 1	MDL.....: 0.0040		
Sulfate	45.9 D	5.0	mg/L	MCAWW 300.0A	04/24/07	7120421
			Dilution Factor: 10	MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MNY0

General Chemistry

Lot-Sample #....: F7D240236-002

Work Order #....: JVJFV

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	14.2 D	2.0	mg/L	MCAWW 300.0A	04/24/07	7120419
				Dilution Factor: 10	MDL.....: 0.23	
Fluoride	0.42 N	0.10	mg/L	MCAWW 300.0A	04/24/07	7120420
				Dilution Factor: 1	MDL.....: 0.020	
Nitrate	6.2 D	0.20	mg/L	MCAWW 300.0A	04/24/07	7120423
				Dilution Factor: 10	MDL.....: 0.040	
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/24/07	7120422
				Dilution Factor: 1	MDL.....: 0.0040	
Sulfate	67.4 D	5.0	mg/L	MCAWW 300.0A	04/24/07	7120421
				Dilution Factor: 10	MDL.....: 0.50	
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/11/07	7131476
				Dilution Factor: 1	MDL.....: 0.76	
TOX	21.2	5.0	ug/L	SW846 9020B	05/14/07	7135097
				Dilution Factor: 1	MDL.....: 2.2	

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: B1MNY8

General Chemistry

Lot-Sample #....: F7D240236-004

Work Order #....: JVJTL

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	13.1 D	4.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.46	04/24/07	7120419
Fluoride	0.52 N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/24/07	7120420
Nitrate	9.7 D	0.40	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.080	04/24/07	7120423
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/24/07	7120422
Sulfate	73.4 D	10.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 1.0	04/24/07	7120421
Total Organic Carbon	ND	1.0	mg/L	SW846 9060 Dilution Factor: 1 MDL.....: 0.76	05/11/07	7131476
TOX	8.6	5.0	ug/L	SW846 9020B Dilution Factor: 1 MDL.....: 2.2	05/14/07	7135097

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: B1MNY4

General Chemistry

Lot-Sample #....: F7D240236-006
Date Sampled....: 04/23/07Work Order #....: JVVJP
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	6.9 D	2.0	mg/L	MCAWW 300.0A MDL.....: 0.23	04/24/07	7120419
				Dilution Factor: 10		
Fluoride	0.31 N	0.10	mg/L	MCAWW 300.0A MDL.....: 0.020	04/24/07	7120420
				Dilution Factor: 1		
Nitrate	2.8 D	0.20	mg/L	MCAWW 300.0A MDL.....: 0.040	04/24/07	7120423
				Dilution Factor: 10		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A MDL.....: 0.0040	04/24/07	7120422
				Dilution Factor: 1		
Sulfate	108 D	5.0	mg/L	MCAWW 300.0A MDL.....: 0.50	04/24/07	7120421
				Dilution Factor: 10		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060 MDL.....: 0.76	05/11/07	7131476
				Dilution Factor: 1		
TOX	8.1	5.0	ug/L	SW846 9020B MDL.....: 2.2	05/14/07	7135097
				Dilution Factor: 1		

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: B1MNX6

General Chemistry

Lot-Sample #....: F7D240236-008
Date Sampled....: 04/23/07Work Order #....: JVJTW
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	11.7 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/24/07	7120419
Fluoride	0.38 N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/24/07	7120420
Nitrate	5.0 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/24/07	7120423
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/24/07	7120422
Sulfate	37.1 D	5.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.50	04/24/07	7120421
Total Organic Carbon	ND	1.0	mg/L	SW846 9060 Dilution Factor: 1 MDL.....: 0.76	05/11/07	7131476
TOX	8.6	5.0	ug/L	SW846 9020B Dilution Factor: 1 MDL.....: 2.2	05/14/07	7135097

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: B1MNW8

General Chemistry

Lot-Sample #....: F7D240236-010

Work Order #....: JVJT4

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	11.2 D	4.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.46	04/24/07	7120419
Fluoride	0.44 N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/24/07	7120420
Nitrate	9.0 D	0.40	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.080	04/24/07	7120423
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/24/07	7120422
Sulfate	45.2 D	10.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 1.0	04/24/07	7120421
Total Organic Carbon	ND	1.0	mg/L	SW846 9060 Dilution Factor: 1 MDL.....: 0.76	05/11/07	7131476
TOX	7.3	5.0	ug/L	SW846 9020B Dilution Factor: 1 MDL.....: 2.2	05/14/07	7135097

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: B1MNX2

General Chemistry

Lot-Sample #....: F7D240236-012
Date Sampled....: 04/23/07Work Order #....: JVJT9
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	10.7 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/24/07	7120419
Fluoride	0.42 N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/24/07	7120420
Nitrate	4.4 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/24/07	7120423
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/24/07	7120422
Sulfate	40.8 D	5.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.50	04/24/07	7120421
Total Organic Carbon	ND	1.0	mg/L	SW846 9060 Dilution Factor: 1 MDL.....: 0.76	05/11/07	7131476
TOX	7.6	5.0	ug/L	SW846 9020B Dilution Factor: 1 MDL.....: 2.2	05/14/07	7135097

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: B1MP50

General Chemistry

Lot-Sample #....: F7D240236-013

Work Order #....: JVJVH

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	6.2	5.0	ug/L	SW846 9020B	05/14/07	7135097
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MP51

General Chemistry

Lot-Sample #....: F7D240236-014

Work Order #....: JVJWF

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	6.7	5.0	ug/L	SW846 9020B	05/14/07	7135097
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MP52

General Chemistry

Lot-Sample #...: F7D240236-015
Date Sampled...: 04/23/07Work Order #...: JVJWH
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	10.2 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MP53

General Chemistry

Lot-Sample #....: F7D240236-016
Date Sampled....: 04/23/07Work Order #....: JVJWJ
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	10.6 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MP55

General Chemistry

Lot-Sample #....: F7D240236-018

Work Order #....: JVJWL

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	18.2 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/24/07	7120419
Fluoride	0.32 N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/24/07	7120420
Nitrate	3.5 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/24/07	7120423
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/24/07	7120422
Sulfate	95.9 D	5.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.50	04/24/07	7120421

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: B1MP09

General Chemistry

Lot-Sample #....: F7D240236-019

Work Order #....: JVJX0

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
			Dilution Factor: 1	MDL.....: 0.76		
TOX	14.3 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
			Dilution Factor: 1	MDL.....: 2.2		

NOTE(S) :

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MP10

General Chemistry

Lot-Sample #....: F7D240236-020

Work Order #....: JVJ0C

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
			Dilution Factor: 1	MDL.....: 0.76		
TOX	16.9 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
			Dilution Factor: 1	MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: BIMP11

General Chemistry

Lot-Sample #....: F7D240236-021

Work Order #....: JVVJ0D

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.76 B	1.0	mg/L	SW846 9060	05/11/07	7131476
			Dilution Factor: 1	MDL.....: 0.76		
TOX	11.7 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
			Dilution Factor: 1	MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MP12

General Chemistry

Lot-Sample #....: F7D240236-022
Date Sampled....: 04/23/07Work Order #....: JVV0E
Date Received...: 04/24/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/11/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	6.6 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MP14

General Chemistry

Lot-Sample #....: F7D240236-024

Work Order #....: JVJ0G

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	98.4 D	10.0	mg/L	MCAWW 300.0A MDL.....: 1.1	04/24/07	7120419
			Dilution Factor: 50			
Fluoride	0.25 N	0.10	mg/L	MCAWW 300.0A MDL.....: 0.020	04/24/07	7120420
			Dilution Factor: 1			
Nitrate	13.8 D	0.40	mg/L	MCAWW 300.0A MDL.....: 0.080	04/24/07	7120423
			Dilution Factor: 20			
Nitrite	ND D,N	0.40	mg/L	MCAWW 300.0A MDL.....: 0.080	04/24/07	7120422
			Dilution Factor: 20			
Sulfate	268 D	10.0	mg/L	MCAWW 300.0A MDL.....: 1.0	04/24/07	7120421
			Dilution Factor: 20			

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: B1MJP9

General Chemistry

Lot-Sample #....: F7D250225-001
Date Sampled....: 04/24/07Work Order #....: JVLQN
Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	05/12/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	3.2 B,C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MJR0

General Chemistry

Lot-Sample #....: F7D250225-002
Date Sampled....: 04/24/07Work Order #....: JVLQR
Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/12/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	7.0 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MJR1

General Chemistry

Lot-Sample #....: F7D250225-003
Date Sampled....: 04/24/07Work Order #....: JVLQT
Date Received...: 04/25/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND	1.0		mg/L	SW846 9060	05/12/07	7131476
	Dilution Factor: 1			MDL.....: 0.76		
TOX	5.7 C	5.0	ug/L	SW846 9020B	05/15/07	7136103
	Dilution Factor: 1			MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

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

Pacific Northwest National Laboratory

Client Sample ID: B1MJR2

General Chemistry

Lot-Sample #....: F7D250225-004
Date Sampled....: 04/24/07Work Order #....: JVLQV
Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/12/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	4.8 B,C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MJR4

General Chemistry

Lot-Sample #....: F7D250225-006
Date Sampled....: 04/24/07Work Order #....: JVLQ0
Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	10.9 DN	4.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.46	04/25/07	7117158
Fluoride	ND N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/25/07	7117159
Nitrate	8.7 DN	0.40	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.080	04/25/07	7117162
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/25/07	7117161
Sulfate	63.7 D	10.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 1.0	04/25/07	7117160

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MJM8

General Chemistry

Lot-Sample #....: F7D250225-007

Work Order #....: JVLQ3

Matrix.....: WATER

Date Sampled....: 04/24/07

Date Received...: 04/25/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND	1.0		mg/L	SW846 9060	05/12/07	7131476
	Dilution Factor: 1			MDL.....: 0.76		
TOX	2.5 B,C	5.0	ug/L	SW846 9020B	05/15/07	7136103
	Dilution Factor: 1			MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MJM9

General Chemistry

Lot-Sample #....: F7D250225-008

Work Order #....: JVLQ6

Matrix.....: WATER

Date Sampled....: 04/24/07

Date Received...: 04/25/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/12/07	7131476
		Dilution Factor: 1		MDL.....: 0.76		
TOX	2.2 B,C	5.0	ug/L	SW846 9020B	05/15/07	7136103
		Dilution Factor: 1		MDL.....: 2.2		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: BIMJN0

General Chemistry

Lot-Sample #....: F7D250225-009
Date Sampled....: 04/24/07Work Order #....: JVLQ7
Date Received...: 04/25/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/12/07	7131483
		Dilution Factor: 1		MDL.....: 0.76		
TOX	5.6	5.0	ug/L	SW846 9020B	05/16/07	7136545
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MJN1

General Chemistry

Lot-Sample #....: F7D250225-010

Work Order #....: JVLQ8

Matrix.....: WATER

Date Sampled....: 04/24/07

Date Received...: 04/25/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Organic Carbon ND		1.0	mg/L	SW846 9060	05/12/07	7131483
		Dilution Factor: 1		MDL.....: 0.76		
TOX	5.5	5.0	ug/L	SW846 9020B	05/16/07	7136545
		Dilution Factor: 1		MDL.....: 2.2		

Pacific Northwest National Laboratory

Client Sample ID: B1MJN3

General Chemistry

Lot-Sample #....: F7D250225-012
Date Sampled....: 04/24/07Work Order #....: JVLRD
Date Received...: 04/25/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	35.4 DN	4.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.46	04/25/07	7117158
Fluoride	ND N	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/25/07	7117159
Nitrate	6.4 DN	0.40	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.080	04/25/07	7117162
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/25/07	7117161
Sulfate	116 D	10.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 1.0	04/25/07	7117160

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1MR58

General Chemistry

Lot-Sample #....: F7D260186-006

Work Order #....: JVN71

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	11.0 DN	2.0	mg/L	MCAWW 300.0A	04/26/07	7120426
				Dilution Factor: 10		
				MDL.....: 0.23		
Fluoride	0.38	0.10	mg/L	MCAWW 300.0A	04/26/07	7120427
				Dilution Factor: 1		
				MDL.....: 0.020		
Nitrate	0.16	0.020	mg/L	MCAWW 300.0A	04/26/07	7120430
				Dilution Factor: 1		
				MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/26/07	7120429
				Dilution Factor: 1		
				MDL.....: 0.0040		
Sulfate	31.9 DN	5.0	mg/L	MCAWW 300.0A	04/26/07	7120428
				Dilution Factor: 10		
				MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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: B1MR66

General Chemistry

Lot-Sample #....: F7D260186-008

Work Order #....: JVN8A

Matrix.....: WATER

Date Sampled...: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND N	0.20	mg/L	MCAWW 300.0A	04/26/07	7120426
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	04/26/07	7120427
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND	0.020	mg/L	MCAWW 300.0A	04/26/07	7120430
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/26/07	7120429
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrogen, as Ammonia 12.7 B,C		50.0	ug/L	MCAWW 350.1	04/27/07	7117039
		Dilution Factor: 1		MDL.....: 5.0		
Sulfate	ND N	0.50	mg/L	MCAWW 300.0A	04/26/07	7120428
		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.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MR62

General Chemistry

Lot-Sample #....: F7D260186-010

Work Order #....: JVN8F

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	10.1 DN	2.0	mg/L	MCAWW 300.0A	04/26/07	7120426
			Dilution Factor: 10	MDL.....: 0.23		
Fluoride	0.38	0.10	mg/L	MCAWW 300.0A	04/26/07	7120427
			Dilution Factor: 1	MDL.....: 0.020		
Nitrate	0.0092 B	0.020	mg/L	MCAWW 300.0A	04/26/07	7120430
			Dilution Factor: 1	MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/26/07	7120429
			Dilution Factor: 1	MDL.....: 0.0040		
Nitrogen, as Ammonia	40.0 B,C	50.0	ug/L	MCAWW 350.1	04/27/07	7117039
			Dilution Factor: 1	MDL.....: 5.0		
Sulfate	34.9 DN	5.0	mg/L	MCAWW 300.0A	04/26/07	7120428
			Dilution Factor: 10	MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MR53

General Chemistry

Lot-Sample #....: F7D260186-011
Date Sampled....: 04/25/07Work Order #....: JVN8H
Date Received...: 04/26/07

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Nitrogen, as Ammonia	17.2 B,C	50.0	ug/L	MCAWW 350.1	05/01/07	7121387
		Dilution Factor: 1		MDL.....: 5.0		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MR52

General Chemistry

Lot-Sample #...: F7D260186-012

Work Order #...: JVN8J

Matrix.....: WATER

Date Sampled...: 04/25/07

Date Received...: 04/26/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia	17.2 B,C	50.0	ug/L	MCAWW 350.1	05/01/07	7121387
Dilution Factor: 1				MDL.....: 5.0		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

Pacific Northwest National Laboratory

Client Sample ID: B1MPW7

General Chemistry

Lot-Sample #....: F7D280119-002

Work Order #....: JVWAJ

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	44.9 D	4.0	mg/L	MCAWW 300.0A	04/28/07	7120433
			Dilution Factor: 20	MDL.....: 0.46		
Fluoride	0.13	0.10	mg/L	MCAWW 300.0A	04/28/07	7120434
			Dilution Factor: 1	MDL.....: 0.020		
Nitrate	4.1 D	0.20	mg/L	MCAWW 300.0A	04/28/07	7120437
			Dilution Factor: 10	MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/28/07	7120436
			Dilution Factor: 1	MDL.....: 0.0040		
Sulfate	17.5	0.50	mg/L	MCAWW 300.0A	04/28/07	7120435
			Dilution Factor: 1	MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MPW3

General Chemistry

Lot-Sample #....: F7D280119-004

Work Order #....: JVWAT

Matrix.....: WATER

Date Sampled...: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	44.7 D	4.0	mg/L	MCAWW 300.0A Dilution Factor: 20 MDL.....: 0.46	04/28/07	7120433
Fluoride	0.13	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/28/07	7120434
Nitrate	4.2 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/28/07	7120437
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/28/07	7120436
Sulfate	17.5	0.50	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.050	04/28/07	7120435

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: B1MPX2

General Chemistry

Lot-Sample #....: F7D280119-006
Date Sampled....: 04/27/07Work Order #....: JVWA1
Date Received...: 04/28/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	13.4 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/28/07	7120433
Fluoride	0.19	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/28/07	7120434
Nitrate	4.4 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/28/07	7120437
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/28/07	7120436
Sulfate	16.2	0.50	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.050	04/28/07	7120435

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: B1MR05

General Chemistry

Lot-Sample #...: F7D280119-007

Work Order #...: JVWA7

Matrix.....: WATER

Date Sampled...: 04/27/07

Date Received...: 04/28/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	9.5 D	2.0	mg/L	MCAWW 300.0A	04/28/07	7120433
			Dilution Factor: 10	MDL.....: 0.23		
Fluoride	0.32	0.10	mg/L	MCAWW 300.0A	04/28/07	7120434
			Dilution Factor: 1	MDL.....: 0.020		
Nitrate	8.9 D	0.20	mg/L	MCAWW 300.0A	04/28/07	7120437
			Dilution Factor: 10	MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/28/07	7120436
			Dilution Factor: 1	MDL.....: 0.0040		
Sulfate	21.3 D	5.0	mg/L	MCAWW 300.0A	04/28/07	7120435
			Dilution Factor: 10	MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MPY8

General Chemistry

Lot-Sample #....: F7D280119-008
Date Sampled....: 04/27/07Work Order #....: JVVCE
Date Received...: 04/28/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	0.20	mg/L	MCAWW 300.0A	04/28/07	7120433
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	04/28/07	7120434
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND	0.020	mg/L	MCAWW 300.0A	04/28/07	7120437
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/28/07	7120436
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	04/28/07	7120435
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1MPY7

General Chemistry

Lot-Sample #....: F7D280119-009
Date Sampled....: 04/27/07Work Order #....: JVVCK
Date Received...: 04/28/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	20.8 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/28/07	7120433
Fluoride	0.14	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/28/07	7120434
Nitrate	2.6 D	0.20	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.040	04/28/07	7120437
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/28/07	7120436
Sulfate	23.6 D	5.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.50	04/28/07	7120435

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: B1N751

General Chemistry

Lot-Sample #....: F7D300108-002
 Date Sampled....: 04/27/07

Work Order #....: JVXJC
 Date Received...: 04/28/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	23.7 D	2.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.23	04/28/07	7120433
Fluoride	0.11	0.10	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.020	04/28/07	7120434
Nitrate	5.6	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/28/07	7120437
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A Dilution Factor: 1 MDL.....: 0.0040	04/28/07	7120436
Sulfate	19.1 D	5.0	mg/L	MCAWW 300.0A Dilution Factor: 10 MDL.....: 0.50	04/28/07	7120435
Total Alkalinity	242	5.0	mg/L	MCAWW 310.1 Dilution Factor: 1 MDL.....: 0.85	05/03/07	7123197

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: B1N755

General Chemistry

Lot-Sample #....: F7D300108-004
Date Sampled....: 04/27/07Work Order #....: JVXJJ
Date Received...: 04/28/07

Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	2.9	0.20	mg/L	MCAWW 300.0A	04/28/07	7120433
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.33	0.10	mg/L	MCAWW 300.0A	04/28/07	7120434
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	0.80	0.020	mg/L	MCAWW 300.0A	04/28/07	7120437
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	04/28/07	7120436
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	16.9	0.50	mg/L	MCAWW 300.0A	04/28/07	7120435
		Dilution Factor: 1		MDL.....: 0.050		
Total Alkalinity	99.0	5.0	mg/L	MCAWW 310.1	05/03/07	7123197
		Dilution Factor: 1		MDL.....: 0.85		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	Work Order #: JV1J11AA 0.20	mg/L	MB Lot-Sample #: F7D300000-419 MCAWW 300.0A	04/24/07	7120419
		Dilution Factor: 1				
Chloride	ND	Work Order #: JVRMR1AA 0.20	mg/L	MB Lot-Sample #: F7D270000-158 MCAWW 300.0A	04/25/07	7117158
		Dilution Factor: 1				
Chloride	ND	Work Order #: JV3XW1AA 0.20	mg/L	MB Lot-Sample #: F7D300000-426 MCAWW 300.0A	04/26/07	7120426
		Dilution Factor: 1				
Chloride	ND	Work Order #: JV7WT1AA 0.20	mg/L	MB Lot-Sample #: F7D300000-433 MCAWW 300.0A	04/28/07	7120433
		Dilution Factor: 1				
Fluoride	ND	Work Order #: JV1J31AA 0.10	mg/L	MB Lot-Sample #: F7D300000-420 MCAWW 300.0A	04/24/07	7120420
		Dilution Factor: 1				
Fluoride	ND	Work Order #: JVRMV1AA 0.10	mg/L	MB Lot-Sample #: F7D270000-159 MCAWW 300.0A	04/25/07	7117159
		Dilution Factor: 1				
Fluoride	ND	Work Order #: JV3XX1AA 0.10	mg/L	MB Lot-Sample #: F7D300000-427 MCAWW 300.0A	04/26/07	7120427
		Dilution Factor: 1				
Fluoride	ND	Work Order #: JV7WW1AA 0.10	mg/L	MB Lot-Sample #: F7D300000-434 MCAWW 300.0A	04/28/07	7120434
		Dilution Factor: 1				
Nitrate	ND	Work Order #: JV1KE1AA 0.020	mg/L	MB Lot-Sample #: F7D300000-423 MCAWW 300.0A	04/24/07	7120423
		Dilution Factor: 1				
Nitrate	ND	Work Order #: JVRM21AA 0.020	mg/L	MB Lot-Sample #: F7D270000-162 MCAWW 300.0A	04/25/07	7117162
		Dilution Factor: 1				
Nitrate	ND	Work Order #: JV3X31AA 0.020	mg/L	MB Lot-Sample #: F7D300000-430 MCAWW 300.0A	04/26/07	7120430
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate	ND	Work Order #: JV7W21AA 0.020	mg/L	MB Lot-Sample #: F7D300000-437 MCAWW 300.0A	04/28/07	7120437
		Dilution Factor: 1				
Nitrite	ND	Work Order #: JV1KC1AA 0.020	mg/L	MB Lot-Sample #: F7D300000-422 MCAWW 300.0A	04/24/07	7120422
		Dilution Factor: 1				
Nitrite	ND	Work Order #: JVRMX1AA 0.020	mg/L	MB Lot-Sample #: F7D270000-161 MCAWW 300.0A	04/25/07	7117161
		Dilution Factor: 1				
Nitrite	ND	Work Order #: JV3X11AA 0.020	mg/L	MB Lot-Sample #: F7D300000-429 MCAWW 300.0A	04/26/07	7120429
		Dilution Factor: 1				
Nitrite	ND	Work Order #: JV7W11AA 0.020	mg/L	MB Lot-Sample #: F7D300000-436 MCAWW 300.0A	04/28/07	7120436
		Dilution Factor: 1				
Nitrogen, as Ammonia	12.7 B	Work Order #: JVQ261AA 50.0	ug/L	MB Lot-Sample #: F7D270000-039 MCAWW 350.1	04/27/07	7117039
		Dilution Factor: 1				
Nitrogen, as Ammonia	6.0 B	Work Order #: JV2RD1AA 50.0	ug/L	MB Lot-Sample #: F7E010000-387 MCAWW 350.1	05/01/07	7121387
		Dilution Factor: 1				
Sulfate	ND	Work Order #: JV1J61AA 0.50	mg/L	MB Lot-Sample #: F7D300000-421 MCAWW 300.0A	04/24/07	7120421
		Dilution Factor: 1				
Sulfate	ND	Work Order #: JVRMW1AA 0.50	mg/L	MB Lot-Sample #: F7D270000-160 MCAWW 300.0A	04/25/07	7117160
		Dilution Factor: 1				
Sulfate	ND	Work Order #: JV3X01AA 0.50	mg/L	MB Lot-Sample #: F7D300000-428 MCAWW 300.0A	04/26/07	7120428
		Dilution Factor: 1				
Sulfate	ND	Work Order #: JV7W01AA 0.50	mg/L	MB Lot-Sample #: F7D300000-435 MCAWW 300.0A	04/28/07	7120435
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	ND	Work Order #: JV6551AA 5.0	mg/L	MB Lot-Sample #: F7E030000-197 MCAWW 310.1	05/03/07	7123197
		Dilution Factor: 1				
Total Organic Carbon	ND	Work Order #: JWTNM1AA 1.0	mg/L	MB Lot-Sample #: F7E110000-476 SW846 9060	05/11/07	7131476
		Dilution Factor: 1				
Total Organic Carbon	ND	Work Order #: JWTFN1AA 1.0	mg/L	MB Lot-Sample #: F7E110000-483 SW846 9060	05/12/07	7131483
		Dilution Factor: 1				
TOX	ND	Work Order #: JW0HR1AA 5.0	ug/L	MB Lot-Sample #: F7E150000-097 SW846 9020B	05/14/07	7135097
		Dilution Factor: 1				
TOX	4.1 B	Work Order #: JW2M81AA 5.0	ug/L	MB Lot-Sample #: F7E160000-103 SW846 9020B	05/15/07	7136103
		Dilution Factor: 1				
TOX	ND	Work Order #: JW4RN1AA 5.0	ug/L	MB Lot-Sample #: F7E160000-545 SW846 9020B	05/16/07	7136545
		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 #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride								
						WO#:JVRMR1AC-LCS/JVRMR1AD-LCSD	LCS Lot-Sample#:	F7D270000-158
	2.00	2.00	mg/L	100		MCAWW 300.0A	04/25/07	7117158
	2.00	1.97	mg/L	98	1.7	MCAWW 300.0A	04/25/07	7117158
						Dilution Factor: 1		
Chloride								
						WO#:JV1J11AC-LCS/JV1J11AD-LCSD	LCS Lot-Sample#:	F7D300000-419
	2.00	1.87	mg/L	93		MCAWW 300.0A	04/24/07	7120419
	2.00	1.87	mg/L	93	0.05	MCAWW 300.0A	04/24/07	7120419
						Dilution Factor: 1		
Chloride								
						WO#:JV3XW1AC-LCS/JV3XW1AD-LCSD	LCS Lot-Sample#:	F7D300000-426
	2.00	2.20	mg/L	110		MCAWW 300.0A	04/26/07	7120426
	2.00	2.21	mg/L	110	0.28	MCAWW 300.0A	04/26/07	7120426
						Dilution Factor: 1		
Chloride								
						WO#:JV7WT1AC-LCS/JV7WT1AD-LCSD	LCS Lot-Sample#:	F7D300000-433
	2.00	1.88	mg/L	94		MCAWW 300.0A	04/28/07	7120433
	2.00	1.89	mg/L	94	0.31	MCAWW 300.0A	04/28/07	7120433
						Dilution Factor: 1		
Fluoride								
						WO#:JVRMV1AC-LCS/JVRMV1AD-LCSD	LCS Lot-Sample#:	F7D270000-159
	1.00	0.993	mg/L	99		MCAWW 300.0A	04/25/07	7117159
	1.00	0.976	mg/L	98	1.7	MCAWW 300.0A	04/25/07	7117159
						Dilution Factor: 1		
Fluoride								
						WO#:JV1J31AC-LCS/JV1J31AD-LCSD	LCS Lot-Sample#:	F7D300000-420
	1.00	0.977	mg/L	98		MCAWW 300.0A	04/24/07	7120420
	1.00	1.00	mg/L	100	2.5	MCAWW 300.0A	04/24/07	7120420
						Dilution Factor: 1		
Fluoride								
						WO#:JV3XX1AC-LCS/JV3XX1AD-LCSD	LCS Lot-Sample#:	F7D300000-427
	1.00	1.05	mg/L	105		MCAWW 300.0A	04/26/07	7120427
	1.00	1.05	mg/L	105	0.54	MCAWW 300.0A	04/26/07	7120427
						Dilution Factor: 1		
Fluoride								
						WO#:JV7WW1AC-LCS/JV7WW1AD-LCSD	LCS Lot-Sample#:	F7D300000-434
	1.00	0.938	mg/L	94		MCAWW 300.0A	04/28/07	7120434
	1.00	0.931	mg/L	93	0.74	MCAWW 300.0A	04/28/07	7120434
						Dilution Factor: 1		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate								
						WO#:JVRM21AC-LCS/JVRM21AD-LCSD	LCS Lot-Sample#: F7D270000-162	
	0.400	0.381	mg/L	95		MCAWW 300.0A	04/25/07	7117162
	0.400	0.381	mg/L	95	0.09	MCAWW 300.0A	04/25/07	7117162
						Dilution Factor: 1		
Nitrate								
						WO#:JV1KE1AC-LCS/JV1KE1AD-LCSD	LCS Lot-Sample#: F7D300000-423	
	0.400	0.365	mg/L	91		MCAWW 300.0A	04/24/07	7120423
	0.400	0.392	mg/L	98	7.0	MCAWW 300.0A	04/24/07	7120423
						Dilution Factor: 1		
Nitrate								
						WO#:JV3X31AC-LCS/JV3X31AD-LCSD	LCS Lot-Sample#: F7D300000-430	
	0.400	0.408	mg/L	102		MCAWW 300.0A	04/26/07	7120430
	0.400	0.413	mg/L	103	0.99	MCAWW 300.0A	04/26/07	7120430
						Dilution Factor: 1		
Nitrate								
						WO#:JV7W21AC-LCS/JV7W21AD-LCSD	LCS Lot-Sample#: F7D300000-437	
	0.400	0.371	mg/L	93		MCAWW 300.0A	04/28/07	7120437
	0.400	0.382	mg/L	96	3.0	MCAWW 300.0A	04/28/07	7120437
						Dilution Factor: 1		
Nitrite								
						WO#:JVRMX1AC-LCS/JVRMX1AD-LCSD	LCS Lot-Sample#: F7D270000-161	
	0.160	0.149	mg/L	93		MCAWW 300.0A	04/25/07	7117161
	0.160	0.153	mg/L	96	2.8	MCAWW 300.0A	04/25/07	7117161
						Dilution Factor: 1		
Nitrite								
						WO#:JV1KCLAC-LCS/JV1KCLAD-LCSD	LCS Lot-Sample#: F7D300000-422	
	0.160	0.154	mg/L	96		MCAWW 300.0A	04/24/07	7120422
	0.160	0.148	mg/L	93	3.4	MCAWW 300.0A	04/24/07	7120422
						Dilution Factor: 1		
Nitrite								
						WO#:JV3X11AC-LCS/JV3X11AD-LCSD	LCS Lot-Sample#: F7D300000-429	
	0.160	0.206 N	mg/L	129		MCAWW 300.0A	04/26/07	7120429
	0.160	0.216 N	mg/L	135	4.8	MCAWW 300.0A	04/26/07	7120429
						Dilution Factor: 1		
Nitrite								
						WO#:JV7W11AC-LCS/JV7W11AD-LCSD	LCS Lot-Sample#: F7D300000-436	
	0.160	0.152	mg/L	95		MCAWW 300.0A	04/28/07	7120436
	0.160	0.165	mg/L	103	8.0	MCAWW 300.0A	04/28/07	7120436
						Dilution Factor: 1		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia WO#:JVQ261AC-LCS/JVQ261AD-LCSD LCS Lot-Sample#: F7D270000-039								
	400	388	ug/L	97		MCAWW 350.1	04/27/07	7117039
	400	419	ug/L	105	7.6	MCAWW 350.1	04/27/07	7117039
Dilution Factor: 1								
Nitrogen, as Ammonia WO#:JV2RD1AC-LCS/JV2RD1AD-LCSD LCS Lot-Sample#: F7E010000-387								
	400	397	ug/L	99		MCAWW 350.1	05/01/07	7121387
	400	396	ug/L	99	0.23	MCAWW 350.1	05/01/07	7121387
Dilution Factor: 1								
Sulfate WO#:JVRMW1AC-LCS/JVRMW1AD-LCSD LCS Lot-Sample#: F7D270000-160								
	8.00	7.50	mg/L	94		MCAWW 300.0A	04/25/07	7117160
	8.00	7.48	mg/L	93	0.32	MCAWW 300.0A	04/25/07	7117160
Dilution Factor: 1								
Sulfate WO#:JV1J61AC-LCS/JV1J61AD-LCSD LCS Lot-Sample#: F7D300000-421								
	8.00	7.39	mg/L	92		MCAWW 300.0A	04/24/07	7120421
	8.00	7.45	mg/L	93	0.78	MCAWW 300.0A	04/24/07	7120421
Dilution Factor: 1								
Sulfate WO#:JV3X01AC-LCS/JV3X01AD-LCSD LCS Lot-Sample#: F7D300000-428								
	8.00	7.58	mg/L	95		MCAWW 300.0A	04/26/07	7120428
	8.00	7.71	mg/L	96	1.8	MCAWW 300.0A	04/26/07	7120428
Dilution Factor: 1								
Sulfate WO#:JV7W01AC-LCS/JV7W01AD-LCSD LCS Lot-Sample#: F7D300000-435								
	8.00	7.43	mg/L	93		MCAWW 300.0A	04/28/07	7120435
	8.00	7.43	mg/L	93	0.06	MCAWW 300.0A	04/28/07	7120435
Dilution Factor: 1								
Total Alkalinity WO#:JV6551AC-LCS/JV6551AD-LCSD LCS Lot-Sample#: F7E030000-197								
	200	200	mg/L	100		MCAWW 310.1	05/03/07	7123197
	200	197	mg/L	98	1.5	MCAWW 310.1	05/03/07	7123197
Dilution Factor: 1								
Total Organic Carbon WO#:JW7NM1AC-LCS/JW7NM1AD-LCSD LCS Lot-Sample#: F7E110000-476								
	6.00	5.96	mg/L	99		SW846 9060	05/11/07	7131476
	6.00	5.89	mg/L	98	1.2	SW846 9060	05/11/07	7131476
Dilution Factor: 1								

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon								
	6.00	6.79 N	mg/L	113		SW846 9060	05/12/07	7131483
	6.00	6.62	mg/L	110	2.6	SW846 9060	05/12/07	7131483

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.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #....: SL688

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	100	99.8	ug/L	100	SW846 9020B	05/14/07	7135097
Work Order #: JW0HR1AC LCS Lot-Sample#: F7E150000-097							
Dilution Factor: 1							
TOX	100	104	ug/L	104	SW846 9020B	05/15/07	7136103
Work Order #: JW2M81AC LCS Lot-Sample#: F7E160000-103							
Dilution Factor: 1							
TOX	100	100	ug/L	100	SW846 9020B	05/16/07	7136545
Work Order #: JW4RN1AC LCS Lot-Sample#: F7E160000-545							
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 #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	16.1	40.0	59.0 D	mg/L	107	MCAWW 300.0A	04/24/07	7120419
Work Order #....: JVVJNP1AH MS Lot-Sample #: F7D240227-002 Dilution Factor: 20								
Chloride	35.4	40.0	84.6 N,D	mg/L	123	MCAWW 300.0A	04/25/07	7117158
Work Order #....: JVLRD1AH MS Lot-Sample #: F7D250225-012 Dilution Factor: 20								
Chloride	10.1	20.0	32.4 N,D	mg/L	112	MCAWW 300.0A	04/26/07	7120426
Work Order #....: JVN8F1AL MS Lot-Sample #: F7D260186-010 Dilution Factor: 10								
Chloride	ND	2.00	2.06	mg/L	103	MCAWW 300.0A	04/28/07	7120433
Work Order #....: JVVCE1AH MS Lot-Sample #: F7D280119-008 Dilution Factor: 1								
Fluoride	0.53	2.00	2.21 N	mg/L	84	MCAWW 300.0A	04/24/07	7120420
Work Order #....: JVVJNP1AJ MS Lot-Sample #: F7D240227-002 Dilution Factor: 1								
Fluoride	ND	2.00	2.53 N	mg/L	126	MCAWW 300.0A	04/25/07	7117159
Work Order #....: JVLRD1AK MS Lot-Sample #: F7D250225-012 Dilution Factor: 1								
Fluoride	0.38	2.00	2.57	mg/L	109	MCAWW 300.0A	04/26/07	7120427
Work Order #....: JVN8F1AN MS Lot-Sample #: F7D260186-010 Dilution Factor: 1								
Fluoride	ND	2.00	2.05	mg/L	102	MCAWW 300.0A	04/28/07	7120434
Work Order #....: JVVCE1AK MS Lot-Sample #: F7D280119-008 Dilution Factor: 1								
Nitrate	10.3	8.00	19.0 D	mg/L	109	MCAWW 300.0A	04/24/07	7120423
Work Order #....: JVVJNP1AM MS Lot-Sample #: F7D240227-002 Dilution Factor: 20								
Nitrate	6.4	8.00	15.3 N,D	mg/L	112	MCAWW 300.0A	04/25/07	7117162
Work Order #....: JVLRD1AR MS Lot-Sample #: F7D250225-012 Dilution Factor: 20								
Nitrate	0.0092	0.400	0.439	mg/L	107	MCAWW 300.0A	04/26/07	7120430
Work Order #....: JVN8F1AV MS Lot-Sample #: F7D260186-010 Dilution Factor: 1								

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #....: SL688

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate	ND	0.400	0.383	mg/L	96	MCAWW 300.0A	04/28/07	7120437
Work Order #....: JVVCE1AP MS Lot-Sample #: F7D280119-008 Dilution Factor: 1								
Nitrite	ND	0.100	0.459 N	mg/L	459	MCAWW 300.0A	04/24/07	7120422
Work Order #....: JVVJNP1AL MS Lot-Sample #: F7D240227-002 Dilution Factor: 1								
Nitrite	ND	0.100	1.48 N	mg/L	1480	MCAWW 300.0A	04/25/07	7117161
Work Order #....: JVLRD1AP MS Lot-Sample #: F7D250225-012 Dilution Factor: 1								
Nitrite	ND	0.100	0.369 N	mg/L	369	MCAWW 300.0A	04/26/07	7120429
Work Order #....: JVN8F1AT MS Lot-Sample #: F7D260186-010 Dilution Factor: 1								
Nitrite	ND	0.100	0.121 N	mg/L	121	MCAWW 300.0A	04/28/07	7120436
Work Order #....: JVVCE1AR MS Lot-Sample #: F7D280119-008 Dilution Factor: 1								
Nitrogen, as Ammonia	12.7	500	548	ug/L	107	MCAWW 350.1	04/27/07	7117039
Work Order #....: JVN8A1AK MS Lot-Sample #: F7D260186-008 Dilution Factor: 1								
Nitrogen, as Ammonia	17.2	500	524	ug/L	101	MCAWW 350.1	05/01/07	7121387
Work Order #....: JVN8H1AD MS Lot-Sample #: F7D260186-011 Dilution Factor: 1								
Sulfate	63.9	80.0	140 D	mg/L	95	MCAWW 300.0A	04/24/07	7120421
Work Order #....: JVVJNP1AK MS Lot-Sample #: F7D240227-002 Dilution Factor: 20								
Sulfate	116	80.0	190 D	mg/L	93	MCAWW 300.0A	04/25/07	7117160
Work Order #....: JVLRD1AM MS Lot-Sample #: F7D250225-012 Dilution Factor: 20								
Sulfate	34.9	40.0	68.9 N,D	mg/L	85	MCAWW 300.0A	04/26/07	7120428
Work Order #....: JVN8F1AQ MS Lot-Sample #: F7D260186-010 Dilution Factor: 10								
Sulfate	ND	4.00	3.63	mg/L	91	MCAWW 300.0A	04/28/07	7120435
Work Order #....: JVVCE1AM MS Lot-Sample #: F7D280119-008 Dilution Factor: 1								

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL688

Matrix.....: WATER

Date Sampled...: 04/23/07

Date Received...: 04/24/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	242	100	336	mg/L	94	MCAWW 310.1	05/03/07	7123197
			Work Order #...: JVXJC1AK MS Lot-Sample #: F7D300108-002					
			Dilution Factor: 1					
Total Organic Carbon	ND	5.00	5.73	mg/L	106	SW846 9060	05/11/07	7131476
			Work Order #...: JVJPV1CH MS Lot-Sample #: F7D240236-002					
			Dilution Factor: 1					
Total Organic Carbon	ND	5.00	6.58	mg/L	118	SW846 9060	05/11/07	7131476
			Work Order #...: JVJX01AD MS Lot-Sample #: F7D240236-019					
			Dilution Factor: 1					
Total Organic Carbon	ND	5.00	5.77	mg/L	113	SW846 9060	05/13/07	7131483
			Work Order #...: JWAVP1AD MS Lot-Sample #: F7E040265-001					
			Dilution Factor: 1					
TOX	21.2	100	126	ug/L	105	SW846 9020B	05/14/07	7135097
			Work Order #...: JVJFV1CJ MS Lot-Sample #: F7D240236-002					
			Dilution Factor: 1					
TOX	14.3	100	118	ug/L	104	SW846 9020B	05/15/07	7136103
			Work Order #...: JVJX01AE MS Lot-Sample #: F7D240236-019					
			Dilution Factor: 1					
TOX	5.6	100	104	ug/L	98	SW846 9020B	05/16/07	7136545
			Work Order #...: JVLQ71AD MS Lot-Sample #: F7D250225-009					
			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 #....: F7D240227

Work Order #....: JVN8A-SMP

Matrix.....: WATER

JVN8A-DUP

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia	12.7 B,C	6.9 B,C	ug/L	59	(0-20)	SD Lot-Sample #: F7D260186-008 MCAWW 350.1	04/27/07	7117039
Dilution Factor: 1								

NOTE(S) :

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

B Estimated result. Result is less than RL.

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7D240227

Work Order #...: JVLRD-SMP
JVLRD-DUP

Matrix.....: WATER

Date Sampled...: 04/24/07

Date Received..: 04/25/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	35.4 DN	36.7 DN	mg/L	3.6	(0-20)	SD Lot-Sample #: F7D250225-012 MCAWW 300.0A	04/25/07	7117158
			Dilution Factor: 20					
Fluoride	ND <i>N</i>	0.078 B,N	mg/L	200	(0-20)	SD Lot-Sample #: F7D250225-012 MCAWW 300.0A	04/25/07	7117159
	<i>JP</i> <i>05-25-07</i>		Dilution Factor: 1					
Sulfate	116 D	115 D	mg/L	0.89	(0-20)	SD Lot-Sample #: F7D250225-012 MCAWW 300.0A	04/25/07	7117160
			Dilution Factor: 20					
Nitrite	ND <i>N</i>	ND <i>N</i>	mg/L	0	(0-20)	SD Lot-Sample #: F7D250225-012 MCAWW 300.0A	04/25/07	7117161
	<i>JP</i> <i>05-25-07</i>		Dilution Factor: 1					
Nitrate	6.4 DN	6.3 DN	mg/L	0.49	(0-20)	SD Lot-Sample #: F7D250225-012 MCAWW 300.0A	04/25/07	7117162
			Dilution Factor: 20					

NOTE (S) :

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

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

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVJNP-SMP
JVJNP-DUP

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	16.1 D	12.8 D	mg/L	22	(0-20)	SD Lot-Sample #: F7D240227-002 MCAWW 300.0A	04/24/07	7120419
						Dilution Factor: 20		
Fluoride	0.53 N	0.46 N	mg/L	15	(0-20)	SD Lot-Sample #: F7D240227-002 MCAWW 300.0A	04/24/07	7120420
						Dilution Factor: 1		
Sulfate	63.9 D	61.8 D	mg/L	3.4	(0-20)	SD Lot-Sample #: F7D240227-002 MCAWW 300.0A	04/24/07	7120421
						Dilution Factor: 20		
Nitrite	ND <i>N</i>	ND <i>N</i>	mg/L	0	(0-20)	SD Lot-Sample #: F7D240227-002 MCAWW 300.0A	04/24/07	7120422
						Dilution Factor: 1		
						<i>Jan 05-25-07</i>		
Nitrate	10.3 D	10.1 D	mg/L	1.5	(0-20)	SD Lot-Sample #: F7D240227-002 MCAWW 300.0A	04/24/07	7120423
						Dilution Factor: 20		

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 #....: F7D240227

Work Order #....: JVN8F-SMP
JVN8F-DUP

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	10.1 DN	9.0 DN	mg/L	11	(0-20)	SD Lot-Sample #: F7D260186-010 MCAWW 300.0A	04/26/07	7120426
						Dilution Factor: 10		
Fluoride	0.38	0.38	mg/L	1.1	(0-20)	SD Lot-Sample #: F7D260186-010 MCAWW 300.0A	04/26/07	7120427
						Dilution Factor: 1		
Sulfate	34.9 DN	31.0 DN	mg/L	12	(0-20)	SD Lot-Sample #: F7D260186-010 MCAWW 300.0A	04/26/07	7120428
						Dilution Factor: 10		
Nitrite	ND <i>N</i>	8.1 N	mg/L	200	(0-20)	SD Lot-Sample #: F7D260186-010 MCAWW 300.0A	04/26/07	7120429
						Dilution Factor: 1		
Nitrate	0.0092 B	0.0071 B	mg/L	25	(0-20)	SD Lot-Sample #: F7D260186-010 MCAWW 300.0A	04/26/07	7120430
						Dilution Factor: 1		

NOTE(S):

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

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

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVVCE-SMP
JVWCE-DUP

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D280119-008 MCAWW 300.0A	04/28/07	7120433
						Dilution Factor: 1		
Fluoride	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D280119-008 MCAWW 300.0A	04/28/07	7120434
						Dilution Factor: 1		
Sulfate	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D280119-008 MCAWW 300.0A	04/28/07	7120435
						Dilution Factor: 1		
Nitrite	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D280119-008 MCAWW 300.0A	04/28/07	7120436
						Dilution Factor: 1		
Nitrate	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D280119-008 MCAWW 300.0A	04/28/07	7120437
						Dilution Factor: 1		

Handwritten notes: *N* (under ND), *N* (under ND), *05-25-07* (under Nitrite)

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVN8H-SMP
JVN8H-DUP

Matrix.....: WATER

Date Sampled....: 04/25/07

Date Received...: 04/26/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia	17.2 B,C	16.8 B,C	ug/L	2.6	(0-20)	MCAWW 350.1	05/01/07	7121387

Dilution Factor: 1

NOTE(S):

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

B Estimated result. Result is less than RL.

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVKJC-SMP
JVKJC-DUP

Matrix.....: WATER

Date Sampled....: 04/27/07

Date Received...: 04/28/07

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Alkalinity	242	244	mg/L	0.82	(0-20)	SD Lot-Sample #: F7D300108-002 MCAWW 310.1	05/03/07	7123197
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVJFV-SMP
JVJFV-DUP

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7D240236-002 SW846 9060	05/11/07	7131476
Dilution Factor: 1								
TOX	21.2	19.3	ug/L	9.6	(0-20)	SD Lot-Sample #: F7D240236-002 SW846 9020B	05/14/07	7135097
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JWAVP-SMP
JWAVP-DUP

Matrix.....: WATER

Date Sampled....: 05/03/07

Date Received...: 05/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	ND	mg/L	0	(0-20)	SD Lot-Sample #: F7E040265-001 SW846 9060	05/13/07	7131483

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVJX0-SMP
JVJX0-DUP

Matrix.....: WATER

Date Sampled....: 04/23/07

Date Received...: 04/24/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	14.3 C	15.0 C	ug/L	4.4	(0-20)	SD Lot-Sample #: F7D240236-019 SW846 9020B	05/15/07	7136103
Dilution Factor: 1								

NOTE(S):

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

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F7D240227

Work Order #....: JVLQ7-SMP

Matrix.....: WATER

JVLQ7-DUP

Date Sampled....: 04/24/07

Date Received...: 04/25/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX	5.6	5.6	ug/L	1.1	(0-20)	SD Lot-Sample #: F7D250225-009 SW846 9020B	05/16/07	7136545
			Dilution Factor: 1					