SEVERN TRENT STL

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Earth City, MO 63045

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ANALYTICAL REPORT

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W07-002

Lot #: F7B100185
SDG #: SL672

Dot Stewart

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

SEVERN TRENT LABORATORIES, INC.

Jans M. Klyn
for
Brian O'Donnell
Project Manager

233 pp

Rec 4/27/07

April 26, 2007

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CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
April 26, 2007
Attention: Dot Stewart

SDG	:	SL672
Number of Samples	:	50
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	February 26, 2007

II. Introduction

Between February 10, 2007 and February 22, 2007, fifty (50) water samples were received by STL St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

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

Deviation from Request: None

IV. Definitions

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

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V. Comments

General

The following SAFs are associated with this SDG: W07-002, W07-001, I07-027, S07-002.

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

The MS/MSD RPD for one compound is outside of the QC limits. Its recoveries are within the QC limits.
Batch:
7051211
Affected Samples:
F7B100185 (11): B1MCH2

The %D in the CCV was outside the QC limit (greater than 20% D) for Acrolein (50.6% high), Dichlorodifluoromethane (26.1% low), Freon-114 (50.3% low) and 2-Chloroethyl vinyl ether (55.1%), Nonanal (33.2% low). These analytes are not target analytes.

The LCS/LCS RPD for 1-Butanol is outside of the QC limit. The recoveries are within the QC limits.

The MS/MSD RPD for one compound is outside of the QC limits. The recoveries are acceptable.
Batch:
7057188
Affected Samples:
F7B130161 (6): B1LT40
F7B130163 (2): B1LP69
F7B130163 (5): B1LP73
F7B130169 (1): B1M720

The associated sample's surrogate recovery for 4-Bromofluorobenzene is outside the upper QC limit, indicating a potential positive bias. There were no target analytes associated with this surrogate observed above the reporting limit in the sample; therefore the sample data was not adversely affected by this excursion.
Batch:
7057188
Affected Samples:
F7B130161 (6): B1LT40

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

Batch:
7057188
Affected Samples:
F7B130169 (1): B1M720

The %D in the CCV was outside the QC limit (greater than 60% D) for Acrolein (66.3% high), 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 %D in the CCV was outside the QC limit (greater than 60% D) for 2-Chloroethyl vinyl ether (68.7% low). This analyte is not a target analyte.

The LCS/LCSD recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable LCS/LCSD recoveries. The RPDs for several compounds are outside of the QC limits. The recoveries are acceptable (see above). The Internal standard recovery exceeded the QC limits in the LCSD due to being double spiked. Recoveries are acceptable.

The MSD recoveries are outside QC limits for less than 10% of the compounds spiked. Laboratory QC practices, based on federal guidance documents, allow for up to 10% of the spike compounds to be outside QC criteria without necessitating re-preparation/re-analysis. Sample purge efficiency and compliance is demonstrated by the remaining acceptable MSD recoveries. The RPDs for several compounds are outside of the QC limits. Their recoveries are within the QC limits. The MSD recovery for Acrolein (biased high) and the MS/MSD RPD are outside acceptance limits. Acrolein was not detected above the reporting limit in the associated samples.

Batch:
7061140
Affected Samples:
F7B220180 (1): B1M7M5
F7B220180 (2): B1MCH7
F7B220186 (1): B1M707

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

Batch:
7061140
Affected Samples:
F7B220186 (1): B1M707

The CCV %D for Nonanal is (63.2% low) outside the established QC limits. This analyte is not part of the analysis request and thus this excursion does not effect the data.

The associated sample was analyzed at dilution due to high concentrations of target analyte (Carbon Tetrachloride). The reporting limits have been adjusted only for those targets reported from the dilution run.
Batch:
7065299
Affected Samples:
F7B220186 (1): B1M707

Methylene chloride was observed in the method blank above the reporting limit. Methylene chloride is recognized potential laboratory contaminants. In associated laboratory samples, Methylene chloride is not detected above the reporting limit in the associated sample.

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

The MS and MSD recoveries for some compounds are outside the established QC limits. The RPDs for compounds are not within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS/LCSD recovery.
Batch:
7065310
Affected Samples:
F7B240139 (1): B1LP49

Phenols by GC

The CCV recovery for OCAL067 was outside the upper QC limit (greater than 15% RSD) for 2,3,4,6-Tetrachlorophenol 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 sample.
Affected Samples:
F7B130161 (6): B1LT40

Ion Chromatography

The associated samples were analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run for Nitrite in batch 70473181.

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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 7043179 is attributed to matrix interference.

Affected Samples:

F7B100185 (1): B1M8R0
F7B100185 (2): B1M979
F7B100185 (3): B1M964
F7B100185 (4): B1M8T1
F7B100185 (5): B1M8R7
F7B100185 (6): B1M8V1
F7B100185 (7): B1M8T6
F7B100185 (8): B1M909
F7B100185 (9): B1M8P5
F7B100185 (10): B1M8N0
F7B100185 (12): B1M905
F7B100185 (13): B1M896
F7B100185 (14): B1M984
F7B100185 (15): B1M900
F7B100185 (16): B1M954

The associated samples were analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run for batch 7050228.

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 for Nitrite in batch 7050228, and Nitrate in batch 70450229 is attributed to matrix interference.

The associated samples were analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run for Chloride in batch 7050225.

Affected Samples:

F7B130161 (6): B1LT40
F7B130163 (2): B1LP69
F7B130163 (3): B1LP77
F7B130163 (5): B1LP73
F7B130163 (6): B1LP78
F7B130183 (1): B1M7H9
F7B130183 (2): B1M7J0

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 7054461, Sulfate in batch 7054460 and Nitrate in batch 7054462 is attributed to matrix interference.

Affected Samples:

F7B220180 (4): B1M9C9

The associated sample was analyzed at a dilution due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run for Nitrite in batch 7058140 and Nitrate in batch 7058141.

The sample duplicate %RPD for Fluoride in batch 7058138 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

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Poor matrix spike recovery for Chloride in batch 7058137, Sulfate in batch 7058139, Nitrite in batch 7058140, and Nitrate in batch 7058141 is attributed to matrix interference.
Affected Samples:
F7B240139 (1): B1LP49

Total Organic Carbon

TOC analysis was initiated on Monday, March 5, 2007. The autosampler stopped over night. The analyst restarted the autosampler on Tuesday, March 6, 2007 from the point in the sequence where the autosampler stopped, hence there is no opening CCV/CCB for Tuesday, March 6th. CCV/CCBs were otherwise performed at their prescribed frequencies and yielded acceptable results.
Affected Samples:
F7B130161 (1): B1LT35
F7B130161 (2): B1LT36
F7B130161 (3): B1LT37
F7B130161 (4): B1LT38

Total Organic Halogens

For TOX batch 7071272, only one set of columns was analyzed due to missed injections.
Affected Samples:
F7B130161 (2): B1LT36

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

ICP Metals
ICP-MS Metals
Mercury

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

Reviewed and approved:
Jaus M. Klein
for
Brian O'Donnell
St. Louis Project Manager

METHODS SUMMARY

SL672

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chloride	MCAWW 300.0A	MCAWW 300.0A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
ICP-MS (6020)	SW846 6020	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Phenols by GC	SW846 8040A	SW846 3520
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

SL672 : F7B100185

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JN9F7	001	B1M8R0	02/09/07	09:35
JN9F9	002	B1M979	02/09/07	12:33
JN9GA	003	B1M964	02/09/07	11:02
JN9GC	004	B1M8T1	02/08/07	07:30
JN9GD	005	B1M8R7	02/08/07	09:24
JN9GE	006	B1M8V1	02/08/07	11:29
JN9GG	007	B1M8T6	02/08/07	12:56
JN9GH	008	B1M909	02/09/07	10:14
JN9GJ	009	B1M8P5	02/09/07	09:55
JN9GK	010	B1M8N0	02/09/07	10:57
JN9GL	011	B1MCH2	02/09/07	08:59
JN9GM	012	B1M905	02/09/07	10:14
JN9GP	013	B1M896	02/09/07	07:51
JN9GQ	014	B1M984	02/09/07	09:45
JN9GR	015	B1M900	02/09/07	11:51
JN9GT	016	B1M954	02/09/07	11:21
JN9GV	017	B1M978	02/09/07	12:33
JN9GW	018	B1M963	02/09/07	11:02
JN9GX	019	B1M8T0	02/08/07	07:30
JN9G0	020	B1M8R6	02/08/07	09:24
JN9G1	021	B1M8V0	02/08/07	11:29
JN9G2	022	B1M8T5	02/08/07	12:56
JN9G3	023	B1M908	02/09/07	10:14
JN9G4	024	B1M904	02/09/07	10:14
JN9G5	025	B1M983	02/09/07	09:45
JN9G6	026	B1M8Y9	02/09/07	11:51
JN9G7	027	B1M953	02/09/07	11:21

NOTE(S):

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- 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

SL672 : F7B130161

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPCNV	001	B1LT35	02/12/07	09:43
JPCN5	002	B1LT36	02/12/07	09:43
JPCN8	003	B1LT37	02/12/07	09:43
JPCPD	004	B1LT38	02/12/07	09:43
JPCPJ	005	B1LT39	02/12/07	09:43
JPCPR	006	B1LT40	02/12/07	09:43

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B130163

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPCQE	001	B1LP68	02/12/07	10:41
JPCQH	002	B1LP69	02/12/07	10:41
JPCQM	003	B1LP77	02/12/07	11:30
JPCQP	004	B1LP72	02/12/07	07:30
JPCQR	005	B1LP73	02/12/07	07:30
JPCQW	006	B1LP78	02/12/07	07:45

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B130169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPCQ4	001	B1M720	02/12/07	11:27

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B130183

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPCWQ	001	B1M7H9	02/12/07	11:36
JPCW2	002	B1M7J0	02/12/07	11:36
JPCW8	003	B1M7F6	02/12/07	12:37

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B220180

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPVXQ	001	B1M7M5	02/21/07	09:02
JPVXV	002	B1MCH7	02/21/07	09:38
JPVXX	003	B1M9C8	02/21/07	11:15
JPVX1	004	B1M9C9	02/21/07	11:15

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B220186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JPV0D	001	B1M707	02/21/07	09:38

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL672 : F7B240139

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JP254	001	B1LP49	02/23/07	10:22
JP26D	002	B1LPH7	02/23/07	10:22

NOTE(S):

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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-272

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SAWS 102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 3134 0326
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
B1M8R0		W	2-9-07	0935	1x20-mL P	Activity Scan	None
B1M8R0		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford F. M. HALL		FEB 0 9 2007 1400	FED EX		
Feel Ex			Angela Brunson	Angela Brunson	2-10-07 9:00

Matrix *

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

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

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-400

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF -N-506 3	Ice Chest No.: SHWS 102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 3134 0326
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
B1M978 (F)		W	2-9-07	1233	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M979		W	↓	↓	1x20-mL P	Activity Scan	None
B1M979		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL	[signature]		FEB 0 9 2007 1400	FED Ex			
Fed Ex				Angela Brown			2-10-07 9:00

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-408

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SAWS 102 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7929 31340326
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
B1M963 (F)		W	2-9-07	1102	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M964		W	↓	↓	1x20-mL P	Activity Scan	None
B1M964		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			FEB 0 9 2007	Fed Ex			
Fed Ex				Angela Brown			2-10-07 9:00

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-289

Page 1 of 1

Collector Fluor Hanford F.M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-002	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, FEBRUARY 2007	HNF-N-506 3	**Ice Chest No.** SML 442 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7901769865 09
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
B1M8T0 (F)		W	2-8-07	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M8T1		W	↓	↓	1x20-mL P	Activity Scan	None
B1M8T1 ✓		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F.M. HALL			FEB 0 8 2007 1400	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex				Angela Brown			2-10-07 9:00
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

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SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-288

Page 1 of 1

Collector: Fluor Hanford ~~F. M. HALL~~	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HWF-N-506 3	Ice Chest No.: SML 442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 790176986509
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.

0924 HW 2-8-07

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M8R6 (F)		W	2-8-07	~~0924~~	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M8R7		W	↓	0924	1x20-mL P	Activity Scan	None
B1M8R7		W	↓	0924	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			FEB 0 8 2007 1400	FED EX			
Fed Ex				Angela Buon			2-10-07

Matrix *

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

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

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STL ST. LOUIS

SDG# SL67

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-304

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SML 442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 790176986509
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
B1M8V0 (F)		W	2-8-07	1129	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M8V1		W	↓	↓	1x20-mL P	Activity Scan	None
B1M8V1		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL	[signature]		1400 FEB 0 8 2007	FED Ex			
Fed Ex				Angela Burson			2-10-07 9:00

Matrix *

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

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

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SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-296

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SNL 442 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7901 7698 6509
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.

2-8-07 NF

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M8T5 (F)		W	2-8	1256	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M8T6		W	2-8-07		1x20-mL P	Activity Scan	None
B1M8T6		W	2-8-07		1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			FEB 0 8 2007 1400	FED Ex			
Relinquished By: Fed Ex			Date/Time	Received By: Crystle Brown			Date/Time: 2-10-07 9:00
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-265

Page 1 of 1

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 / MSIN / FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506-1	Ice Chest No.: ERP-03-028 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 2941 3271
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
B1M908 (F)		W	2-9-07	1014	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M909		W	↓	↓	1x20-mL P	Activity Scan	None
B1M909		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	R.F. Carrigan		FEB 09 2007 1400	Fed Ex			
Fed Ex				Angela Brown			2-10-07 9:00

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-248

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, FEBRUARY 2007	4NF-N-506-2	Ice Chest No. GRP-03-028 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7912 2941 3271
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
B1M8P5		W	2907	0955	1x20-mL P	Activity Scan	None
B1M8P5		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			FEB 09 2007 1430	Fed Ex			
Fed Ex				Angela Buson			2-10-07 9:00

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-224

Page 1 of 1

Collector: ~~Fluor Hanford~~ K. B. HULSE	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506-2	Ice Chest No.: 6127-03-028 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 2941 3271
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
B1M8N0		W	2907	1057	1x20-mL P	Activity Scan	None
B1M8N0		W	K		1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE		FEB 09 2007	1430	Fed Ex			
Fed Ex				Angela Brown			2-10-07-9:00

Matrix *

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

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

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SDG# SL672

STL ST. LOUIS

PNNL SL 672

Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-723

Page 1 of 1

Collector K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-002	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, FEBRUARY 2007	HNF-N-506-2	**Ice Chest No.** GRP-03-028 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7912 2941 3271
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
B1MCH2		W	2 907	0859	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MCH2		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford K. B. HULSE	FEB 09 2007 / 1430	FedEx	
Fed Ex		Angela Brown	2-10-07 9:00

Matrix *

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

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

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-264

Page 1 of 1

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506-1	Ice Chest No. GRP-03-028 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7912 2941 3271
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
B1M904 (F)		W	2-9-07	1014	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M905		W	↓	↓	1x20-mL P	Activity Scan	None
B1M905		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	R F Carrigan		FEB 09 2007 1400	FedEX			
Fed Ex				Angela Buson			2-10-07 9:00

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL

SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-164

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, FEBRUARY 2007	HNF-N-506-2	Ice Chest No. GRP-03-028 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7912 2941 3271
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
B1M896		W	2-9-07	0751	1x20-mL P	Activity Scan	None
B1M896		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			FEB 09 2007 1430	Fed Ex			
Relinquished By: Fed Ex			Date/Time	Received By: Angela Buson			Date/Time 2-10-07 9:00
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-476

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code: GRP-03-028
Project Title: RCRA, FEBRUARY 2007	HMF-M-506-4	Ice Chest No.: ~~[illegible]~~ Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 2941 3271
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.

All Samples Filtered at Well

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M983 (F)		W	2/9/7	0945	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M984 (F)		W	↓	↓	1x20-mL P	Activity Scan	None
B1M984 (F)		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL	FEB 09 2007 1400	FED Ex	FEB 09 2007
Fed Ex		Angela Buson	2-10-07 9:00

Matrix *

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

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

30 OF 233

SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-256

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506-1	Ice Chest No.: CRP-03 028 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7912 2941 3271
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
B1M8Y9 (F)		W	2-9-07	1151	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M900		W	↓	↓	1x20-mL P	Activity Scan	None
B1M900		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN		R F Carrigan	FEB 09 2007 1400	Fed Ex			FEB 09 2007
Relinquished By: Fed Ex			Date/Time	Received By: Angela Burson			Date/Time: 2-10-07 9:00
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-424

Page 1 of 1

Collector FLUOR HANFORD M.R. WEIL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin Hanford Site	Purchase Order/Charge Code GRP-03-028
Project Title RCRA, FEBRUARY 2007	HNF-N-506-4	Ice Chest No. ~~GWO-06-3~~ Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7912 2941 3271
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
B1M953 (F)		W	2/9/7	1121	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M954		W	↓	↓	1x20-mL P	Activity Scan	None
B1M954		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By FLUOR HANFORD M.R. WEIL Print Sign [signature] Date/Time FEB 0 9 2007	Received By Fed Ex Print Sign FEB 0 9 2007 Date/Time	Matrix *	
Relinquished By Fed Ex Date/Time	Received By Angela Buson Date/Time 2-10-07 9:00	S = Soil; SE = Sediment; SO = Solid; SL = Sludge; W = Water; O = Oil; A = Air	DS = Drum Solid; DL = Drum Liqui; 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
Summary Results

Printable Version | Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
792931340326	Delivered	Feb 10, 2007 8:43 AM	Earth City, MO	FedEx Express
790176986509	Delivered	Feb 10, 2007 8:43 AM	Earth City, MO	FedEx Express
791229413271	Delivered	Feb 10, 2007 8:43 AM	Earth City, MO	FedEx Express

Track more shipments

Wrong Address?
Reduce future mistak
FedEx Address Chec

Tracking a FedEx Sm
Shipment?
Go to shipper login

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Learn more >>

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STL St. Louis

- 5947 -

Lot #(s): F7B100185

Condition Upon Receipt Form

Client: Richland
Quote No:
COC/RFA No: ~~W07-002~~ See Below
Initiated By: MB
Date: 2-10-07
Time: 9:00

Shipping Information

Shipper Name: FedEx
Shipping # (s):*

1. 7929 3134 0326
2. 7901 7698 6509
3.
4.
5. 7912 2941 3071
6.
7.
8.
9.
10.

Multiple Packages (Y) N N/A

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: W07-002-272
-400
408
289
289
304
296
265
248
723
224
264
164
476
256
424

I07-027-128
21
17
3

Sample # BIM8T1 arrived out of hold @ 2.10.07
BIM8R7
BIM8V1
BIM8T6

Corrective Action:

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

Project Management Review: K. Foley Date: 2/14/07

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

PNNL SL 672
FLUOR HANFORD
M.R. WEIL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-001-123

Page 1 of 1

Collector ~~MIKE WEIR~~	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-001	Sampling Origin Hanford Site	Purchase Order/Charge Code MF 2-12-07
Project Title RCRA, JANUARY 2007	ANF-N-506 3	Ice Chest No. GWO-06-7 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7986 0604 9975
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
B1LT35		W	2-12-07	0943	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LT35		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LT36		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LT36		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LT37		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LT37		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LT38		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LT38		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LT39 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LT39 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LT39 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LT40		W			1x20-mL P	Activity Scan	None
B1LT40		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LT40		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1LT40		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

FLUOR HANFORD
M.R. WEIL

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~MIKE WEIR~~ 2/12/07		[signature]	FEB 12 2007 1400	FED Ex			
Fed Ex				[signature]			2/13/07 1045

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798106037522	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
791633585071	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606049975	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606021387	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express

Track more shipments

Wrong Address?
Reduce future mistak
FedEx Address Chec

Tracking a FedEx Sm
Shipment?
Go to shipper login

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

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STL ST. LOUIS
STL St. Louis

- 5875 -

Lot #(s): F7B130160, 163, 169, 173, 183

Condition Upon Receipt Form

Client: DOE
Quote No:
COC/RFA No: See below
Initiated By: BD
Date: 2/13/07
Time: 1045

Shipping Information

Shipper Name: FE
Shipping # (s):*
1. 7981 0603 7522
2. 7916 3358 5071
3. 7986 0604 9975
4. 7986 0602 1387
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. S07-002-44, 64, 65, W07-002-188, 191
2. W07-002-604, 612, 724, S07-001-198, 204, 199, 205
3. W07-001-123 BD 2/13
4. W07-002-432, ~~I07~~ I07-027-13

Corrective Action:
☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: K. Foley Date: 2/15/07

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-198

Page 1 of 1

Collector: D.P. CONNOLLY	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-001	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, JANUARY 2007	HNF-N-506-2	Ice Chest No.: 640-06-04 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7916-3358-5071
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LP68 (F)		W	2/12/7	1041	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LP69		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LP69		W			1x20-mL P	Activity Scan	None
B1LP69		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D.P. CONNOLLY			FEB 12 2007 / 1400	FED EX			FEB 12 2007
Relinquished By: Fed Ex			Date/Time	Received By			Date/Time 2/13/07 1045
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-204

Page 1 of 1

Collector D.P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code** GWO
Project Title SURV. JANUARY 2007	HMF-M-506-2	**Ice Chest No.** ~~GRO-06-04~~ **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7916-3358-5071
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LP77		W	2/12/7	1130	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LP77		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D.P. CONNOLLY			FEB 12 2007 / 1400	FED EX			FEB 12 2007
Relinquished By: Fed Ex			Date/Time	Received By: S-Rl			Date/Time 2/13/07 1045
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

39 of 233

SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-199

Page 1 of 1

Collector D.P. CONNOLLY	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-001	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV. JANUARY 2007	HNF-N-506-2	Ice Chest No. GWO-06-04 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7916-3358-5071
Protocol SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LP72 (F)		W	2-12-7	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LP73		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LP73		W			1x20-mL P	Activity Scan	None
B1LP73		W			4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D.P. CONNOLLY			FEB 12 2007 1430	Fed Ex			
Fed Ex							2/13/07 1045

Matrix *

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

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

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SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-205

Page 1 of 1

Collector D. P. CONNOLLY	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-001	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV, JANUARY 2007	HNF-IN-5 06-2	Ice Chest No. GWO ~~GRB~~-06-04 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7914-3358-5071
Protocol SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LP78		W	2-12-07	0745	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LP78		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. P. CONNOLLY			FEB 12 2007 1430	Fed EX			
Fed Ex				B-Dil			2/13/07 1045

Matrix *

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

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

1 of 233

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798106037522	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
791633585071	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606049975	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606021387	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express

Track more shipments

Wrong Address?
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Tracking a FedEx Sm
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STL ST. LOUIS
STL St. Louis

- 5875 -

Lot #(s): E7B130161, 163, 169, 173, 183

Condition Upon Receipt Form

Client: DOE
Quote No:
COC/RFA No: See below
Initiated By: BD
Date: 2/13/07
Time: 1045

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7981 0603 7522
2. 7916 3358 5071
3. 7986 0604 9975
4. 7986 0602 1387
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. S07-002-44, 64, 65, W07-002-188, 191
2. W07-002-604, 612, 724, S07-001-198, 204, 199, 205
3. W07-001-123 BD 2/13
4. W07-002-432, ~~I07~~ I07-027-13

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: 2/15/07

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.

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SDG# SL672

STL ST. LOUIS

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-027-13

Page 1 of 1

Collector FLUOR HANFORD M.R. WEIL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-027	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, FEBRUARY 2007	HNF-N-5063	**Ice Chest No.** GW-06-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7986 0602 1387
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M720		W	2-12-07	1127	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1M720		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL			FEB 12 2007 1400	FED EX			
Relinquished By: Fed Ex			Date/Time	Received By: B-Rl			Date/Time 2/13/07 1045
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

14 of 233

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798106037522	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
791633585071	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606049975	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606021387	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express

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Shipment?
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STL ST. LOUIS

STL St. Louis

- 5875 -

Lot #(s): E7B130161, 163, 169, 173, 183

Condition Upon Receipt Form

Client: DOE
Quote No:
COC/RFA No: See below
Initiated By: BD
Date: 2/13/07
Time: 1045

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7981 0603 7522
2. 7916 3358 5071
3. 7986 0604 9975
4. 7986 0602 1387
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1. S07-002-44, 64, 65, W07-002-188, 196
2. W07-002-604, 612, 724, S07-001-198, 204, 199, 205
3. W07-001-123 BD 2/13
4. W07-002-432, ~~I07~~ I07-027-13

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: T. Berry Date: 2/15/07

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.

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SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-002-64

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, FEBRUARY 2007	Logbook: HNF-N-506-4	Ice Chest No.: BWO-06-3 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981-0603-7522
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M7H9		W	2/12/07	1136	1x20-mL P	Activity Scan	None
B1M7H9		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wells 2/12/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			FEB 12 2007 1430	FEDEX			
Fed Ex						2/13/07	1045

Matrix *

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

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

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SDG# SL672

STL ST. LOUIS

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-002-65

Page 1 of 1

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-002	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, FEBRUARY 2007	Logbook: HNF-N-506-4	**Ice Chest No.** 6600-06-3 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7981 0603 7522
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M7J0		W	2/12/07	1136	1x20-mL P	Activity Scan	None
B1M7J0		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 2/12/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			FEB 12 2007 1430	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex				B-A			2/13/07 1045
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-002-44

Page 1 of 1

Collector: Fluor Hanford F. M. HALL	Contact/Requester: Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. S07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, FEBRUARY 2007	Logbook: HNF-N-506-4	Ice Chest No. 6W0-06-3 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7981 0603 7522
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M7F6 (F)		W	2/12/07	1237	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1M7F7		W	↓	↓	1x20-mL P	Activity Scan	None

J Wall 2/12/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL	[signature]		FEB 12 2007 1430	FEDEX			
Fed Ex				B-Dil			2/13/07 1045

Matrix *

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

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

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798106037522	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
791633585071	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606049975	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express
798606021387	Delivered	Feb 13, 2007 10:44 AM	Earth City, MO	FedEx Express

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STL ST: LOUIS

STL St. Louis

- 5875 -

Lot #(s): EMB130161, 163, 169, ~~173~~ 183

Condition Upon Receipt Form

Client: DOE COC/RFA No: See below Date 2/13/07

Quote No: Initiated By: BO Time: 1045

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7981 0603 7522
2. 7916 3358 5071
3. 7986 0604 9975
4. 7986 0602 1387
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 1- S07-002-44, 64, 65, W07-002-188, 196
2- W07-002-604, 612, 724, S07-001-198, 204, 199, 205
3. W07-001-123 BO 2/13
4. W07-002-432, ~~I02~~ I07-027-13

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: 2/15/07

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.

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STL ST. LOUIS

SDG# SL672

PNNL SL672

cur 6/30

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-560

Page 1 of 1

Collector Fluor Hanford F. M. HALL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, FEBRUARY 2007	HNF-N-506-2	Ice Chest No. MAUI Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 7986 1231 0578
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
B1M7M5		W	2/21/7	0902	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1M7M5		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL	[signature]		FEB 21 2007 1400	FED Ex			FEB 21 2007
Fluor Hanford F. M. HALL	Fed Ex		2/21/07	[signature]			02.22.07 0915

Matrix *

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

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

02 FE 233

SDG# SL672

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-728

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: W07-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SAWS 115 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7981125955 57
Protocol: RCRA	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1MCH7		W	2-21-07	0938	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1MCH7		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL	FEB 21 2007 1400	FED EX	
Fed Ex			02-22-07 0915

Matrix *

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

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

STL ST. LOUIS

3233

STL ST. LOUIS

SDG# SL672

PNNL SL672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-002-532

Page 1 of 1

Collector FLUOR HANFORD M.R. WEIL	Contact/Requester Dot Stewart	Telephone No. 509-376-5056 MSIN FAX
SAF No. W07-002	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, FEBRUARY 2007	HNF-N-506 3	Ice Chest No. SHWS 115 Temp.
Shipped To (Lab) Severn Trent St. Louis	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No. 798112595557
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
B1M9C8 (F)		W	2-21-07	1115	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1M9C9		W	↓	↓	1x20-mL P	Activity Scan	None
B1M9C9		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD M.R. WEIL	[signature]		FEB 21 2007 1400	FED EX			
Fed Ex				[signature]			02-22-07 0915

Matrix *

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

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

4 of 233

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798112595557	Delivered	Feb.22, 2007 9:12 AM	Earth City, MO	FedEx Express
798612310578	Delivered	Feb 22, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL ST. LOUIS
STL St. Louis

- 6158 -

Lot #(s): F7B220180, 18

Condition Upon Receipt Form

Client: PNNL
Quote No: 74036, 74117
COC/RFA No: below
Initiated By: SL
Date: 02.22.07
Time: 0915

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7981 1259 5357
2. 7986 1231 0578
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2°
2. 3°
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

1.	Y (N)	Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
2.	(Y) N N/A	Was sample received with proper pH[1] ? (If not, make note below)	9.	(Y) N	Chain of Custody matches sample ID's on container(s)?
3.	Y N	If N/A-Was pH taken by original STL Lab?	10.	(Y) N	Are there custody seals present on cooler?
4.	(Y) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
5.	(Y) N	Sample volume sufficient for analysis?	12.	(Y) N	Are there custody seals present on bottles?
6.	SL 02.22.07 Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of the cooler frisked after opening	14.	Y N	Was Internal COC/Workshare received?

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

Notes:

COCs: W07-002-560
-728
-532

JW 04-26-07

Corrective Action:

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

Project Management Review: A. Lay Date: 2/22/07

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

SDG# SL672

STL ST. LOUIS

PNNL SL 672

FLUOR HANFORD M.R. WEIL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-027-25

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: I07-027	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 2ZP1-LOI FEBRUARY 2007	HNF-N-506 3	Ice Chest No.: SAWS 115 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 798112595557
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS

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

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

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1M707		W	2-21-07	0938	1x20-mL P	Activity Scan	None
B1M707		W	2-21-07	0938	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55)	HCl or H2SO4 to pH <2 Cool 4C
~~B1M707~~		~~W~~			~~4x40-mL aGs*~~	~~8260_VOA_GCMS: List-2 (55)~~ 1-30-07 OF	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD	M.R. WEIL	[signature]	FEB 21 2007 1400	FED EX			
Relinquished By: Fed Ex			Date/Time	Received By: [signature]			Date/Time: 02.22.07 0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

C2333

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Track Shipments
Summary Results

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Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798112595557	Delivered	Feb 22, 2007 9:12 AM	Earth City, MO	FedEx Express
798612310578	Delivered	Feb 22, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL St. Louis

- 6158 -

Lot #(s): F7B220180, 186

Condition Upon Receipt Form

Client: PNNL
Quote No: 74036, 74117
COC/RFA No: below
Initiated By: SL
Date: 02.22.07
Time: 0915

Shipping Information

Shipper Name: FedX

Shipping # (s):*

1. 7981 1259 5557
2. 7986 1231 0578
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N N/A

Sample Temperature (s):**

1. 2°
2. 3°
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature varianne 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.	SL 02.22.07 Y (N) N/A	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
7.	(Y) N	Were contents of the cooler frisked after opening	14.	Y N	Was Internal COC/Workshare received?

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

Notes:

COCs: I07-027-25 JW 04-26-07

Corrective Action:

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

Project Management Review: D. Lee Date: 2/22/07

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.

STL ST. LOUIS

SDG# SL672

PNNL SL 672

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-164

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: S07-001	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, JANUARY 2007	HNF-N-506-1	Ice Chest No. SML 24 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No. 7990-9280-1026
Protocol: SURV	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS

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

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

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LP49		W	2-23-07	1022	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LP49		W	↓	↓	1x20-mL P	Activity Scan	None
B1LP49		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (55) 3x Vial 40 AB 2/24	HCl or H2SO4 to pH <2 Cool 4C
B1LPH7 (F)		W	↓	↓	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
~~B1LPH8~~		~~W~~			~~1x20-mL P~~	~~Activity Scan~~ 2-8-07 DF	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D R Brewington		FEB 23 2007 1400	FED EX			
Fed Ex				Angela Bison			2/24/07 845

Matrix *

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

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

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Track Shipments
Detailed Results

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Quick Help

Tracking number	799092801026	**Reference**	sml-24
Signed for by	B.DANIELS	**Destination**	Earth City, MO
Ship date	Feb 23, 2007	**Delivered to**	Shipping/Receiving
Delivery date	Feb 24, 2007 8:34 AM	**Service type**	Priority Overnight
		Weight	42.0 lbs.
Status	Delivered		

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Reduce future mistal
FedEx Address Chec

Tracking a FedEx Sn
Shipment?
Go to shipper login

Date/Time		Activity	Location	Details
Feb 24, 2007	8:34 AM	**Delivered**	Earth City, MO	
	7:10 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	7:03 AM	At local FedEx facility	EARTH CITY, MO	
	5:48 AM	At dest sort facility	BERKELEY, MO	
	4:20 AM	Departed FedEx location	MEMPHIS, TN	
	1:15 AM	Arrived at FedEx location	MEMPHIS, TN	
Feb 23, 2007	5:30 PM	Left origin	PASCO, WA	
	4:03 PM	Picked up	PASCO, WA	
	2:00 PM	Package data transmitted to FedEx		

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	English	☐	☐

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STL ST. LOUIS
STL St. Louis

Lot #(s): F7B240136, 137, 139

- 6128 -

Condition Upon Receipt Form

Client: PNNL
Quote No: 74034, 74225, 73750
COC/RFA No: See Below
Initiated By: AB
Date: 2-24-07
Time: 8:45

Shipping Information

Shipper Name: Fed Ex
Shipping # (s):*
1.
2. TRK# 7990 9280 1026
3.
4.
5.
6.
7.
8.
9.
10.

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: S07-001 - 164 04-26-07
W07-002
I07-026

1 Vial of B1LP49 received Broken - AB

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

Project Management Review: R. Lacy Date: 3/1/07

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: B1MCH2

GC/MS Volatiles

Lot-Sample #...: F7B100185-011 **Work Order #...:** JN9GL1AC **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07
Prep Date.....: 02/19/07 **Analysis Date..:** 02/19/07
Prep Batch #...: 7051211
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**3.0**	**1.0**	**ug/L**	**0.60**
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.11 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	109	(76 - 117)
Dibromofluoromethane	102	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
4-Bromofluorobenzene	112	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1MCH2

GC/MS Volatiles

Lot-Sample #: F7B100185-011 **Work Order #:** JN9GL1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1LT40

GC/MS Volatiles

Lot-Sample #...: F7B130161-006 **Work Order #...:** JPCPR1AH **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/24/07 **Analysis Date..:** 02/24/07
Prep Batch #...: 7057188
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	**1.3**	**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	104	(76 - 117)
Dibromofluoromethane	95	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	115 *	(75 - 114)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Pacific Northwest National Laboratory

B1LT40

GC/MS Volatiles

Lot-Sample #: F7B130161-006 **Work Order #:** JPCPR1AH **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1LP69

GC/MS Volatiles

Lot-Sample #...: F7B130163-002 **Work Order #...:** JPCQH1AA **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/24/07 **Analysis Date..:** 02/24/07
Prep Batch #...: 7057188
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	**2.3**	**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	**0.27 J**	**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	105	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	110	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LP69

GC/MS Volatiles

Lot-Sample #: F7B130163-002 **Work Order #:** JPCQH1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1LP73

GC/MS Volatiles

Lot-Sample #...: F7B130163-005 **Work Order #...:** JPCQR1AA **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/24/07 **Analysis Date..:** 02/24/07
Prep Batch #...: 7057188
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	**0.92 J**	**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	**30**	**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	104	(76 - 117)
Dibromofluoromethane	98	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	110	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LP73

GC/MS Volatiles

Lot-Sample #: F7B130163-005 **Work Order #:** JPCQR1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1M720

GC/MS Volatiles

Lot-Sample #...: F7B130169-001 **Work Order #...:** JPCQ41AC **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/24/07 **Analysis Date..:** 02/24/07
Prep Batch #...: 7057188
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	**0.15 J**	**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	**6.8**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**10**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	**0.34 J**	**1.0**	**ug/L**	**0.17**
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	104	(76 - 117)
Dibromofluoromethane	153 *	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
4-Bromofluorobenzene	109	(75 - 114)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1M720

GC/MS Volatiles

Lot-Sample #: F7B130169-001 **Work Order #:** JPCQ41AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1M720

GC/MS Volatiles

Lot-Sample #...: F7B130169-001 **Work Order #...:** JPCQ42AC **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/24/07 **Analysis Date..:** 02/24/07
Prep Batch #...: 7057188
Dilution Factor: 100 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**830 D**	**100**	**ug/L**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(76 - 117)
Dibromofluoromethane	105	(82 - 130)
1,2-Dichloroethane-d4	110	(73 - 137)
4-Bromofluorobenzene	107	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1M7M5

GC/MS Volatiles

Lot-Sample #...: F7B220180-001 **Work Order #...:** JPVXQ1AC **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07
Prep Date.....: 02/28/07 **Analysis Date..:** 02/28/07
Prep Batch #...: 7061140
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.048
cis-1,2-Dichloroethene	**0.30 J**	**1.0**	**ug/L**	**0.048**
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
Carbon tetrachloride	ND	1.0	ug/L	0.039
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**0.54 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	106	(76 - 117)
Dibromofluoromethane	92	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	112	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1M7M5

GC/MS Volatiles

Lot-Sample #: F7B220180-001 **Work Order #:** JPVXQ1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1MCH7

GC/MS Volatiles

Lot-Sample #...: F7B220180-002 **Work Order #...:** JPVXV1AC **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07
Prep Date.....: 02/28/07 **Analysis Date..:** 02/28/07
Prep Batch #...: 7061140
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**2.7**	**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	106	(76 - 117)
Dibromofluoromethane	93	(82 - 130)
1,2-Dichloroethane-d4	90	(73 - 137)
4-Bromofluorobenzene	110	(75 - 114)

Pacific Northwest National Laboratory

B1MCH7

GC/MS Volatiles

Lot-Sample #: F7B220180-002 **Work Order #:** JPVXV1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1M707

GC/MS Volatiles

Lot-Sample #...: F7B220186-001 **Work Order #...:** JPV0D1AC **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07
Prep Date.....: 02/28/07 **Analysis Date..:** 02/28/07
Prep Batch #...: 7061140
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetonitrile	ND	5.0	ug/L	1.5
Acrolein	ND N	10	ug/L	0.44
Bromodichloromethane	**0.23 J**	**1.0**	**ug/L**	**0.064**
Bromoform	ND	1.0	ug/L	0.12
Bromomethane	ND	2.0	ug/L	0.085
Chlorobenzene	ND	1.0	ug/L	0.027
Chloroprene	ND	1.0	ug/L	0.046
Dibromochloromethane	ND	1.0	ug/L	0.11
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.55
Chloroethane	ND	2.0	ug/L	0.050
Chloromethane	**0.11 J**	**2.0**	**ug/L**	**0.048**
Allyl chloride	ND	2.0	ug/L	0.047
1,2-Dibromoethane	ND	1.0	ug/L	0.13
Dibromomethane	ND	1.0	ug/L	0.12
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.43
Dichlorodifluoromethane	ND	2.0	ug/L	0.045
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.056
1,2-Dichloropropane	ND	1.0	ug/L	0.077
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.050
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.085
1,4-Dioxane	ND	20	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Ethyl methacrylate	ND	1.0	ug/L	0.66
Trichlorofluoromethane	ND	1.0	ug/L	0.032
2-Hexanone	ND	5.0	ug/L	1.0
Iodomethane	ND	2.0	ug/L	0.13
Isobutanol	ND	20	ug/L	29
Methacrylonitrile	ND	5.0	ug/L	0.30
Methyl methacrylate	ND	1.0	ug/L	0.84
Styrene	ND	1.0	ug/L	0.044
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.045
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.14
1,2,3-Trichloropropane	ND	1.0	ug/L	0.24
Vinyl acetate	ND	2.0	ug/L	0.72
Vinyl chloride	ND	2.0	ug/L	0.044

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Pacific Northwest National Laboratory

Client Sample ID: B1M707

GC/MS Volatiles

Lot-Sample #...: F7B220186-001 **Work Order #...:** JPV0D1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	**0.63 J**	**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	**8.4**	**1.0**	**ug/L**	**0.048**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.016
1,1,1-Trichloroethane	ND	1.0	ug/L	0.035
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.064
Trichloroethene	**7.3**	**1.0**	**ug/L**	**0.037**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	**0.59 J**	**1.0**	**ug/L**	**0.17**
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.047
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.025

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	107	(76 - 117)
Dibromofluoromethane	148 *	(82 - 130)
1,2-Dichloroethane-d4	97	(73 - 137)
4-Bromofluorobenzene	114	(75 - 114)

NOTE(S):

* Surrogate recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1M707

GC/MS Volatiles

Lot-Sample #: F7B220186-001 **Work Order #:** JPV0D1AC **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

Pacific Northwest National Laboratory

Client Sample ID: B1M707

GC/MS Volatiles

Lot-Sample #...: F7B220186-001 **Work Order #...:** JPV0D2AC **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07
Prep Date.....: 03/02/07 **Analysis Date..:** 03/02/07
Prep Batch #...: 7065299
Dilution Factor: 100 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**1800 D**	**100**	**ug/L**	**3.9**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	92	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1LP49

GC/MS Volatiles

Lot-Sample #...: F7B240139-001 **Work Order #...:** JP2541AW **Matrix.....:** WATER
Date Sampled...: 02/23/07 **Date Received..:** 02/24/07
Prep Date.....: 03/03/07 **Analysis Date..:** 03/03/07
Prep Batch #...: 7065310
Dilution Factor: 1 **Method.....:** SW846 8260B

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

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1LP49

GC/MS Volatiles

Lot-Sample #...: F7B240139-001 **Work Order #...:** JP2541AW **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.60
Carbon disulfide	ND N	1.0	ug/L	0.031
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND N	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	102	(76 - 117)
Dibromofluoromethane	105	(82 - 130)
1,2-Dichloroethane-d4	117	(73 - 137)
4-Bromofluorobenzene	102	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LP49

GC/MS Volatiles

Lot-Sample #: F7B240139-001 **Work Order #:** JP2541AW **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPPDG1AA **Matrix.....:** WATER
MB Lot-Sample #: F7B200000-211

Prep Date.....: 02/19/07
Analysis Date..: 02/19/07 **Prep Batch #...:** 7051211
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	110	(76 - 117)
Dibromofluoromethane	102	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
4-Bromofluorobenzene	114	(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 #: F7B200000-211 B **Work Order #:** JPPDG1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JP41L1AA **Matrix.....:** WATER
MB Lot-Sample #: F7B260000-188

Prep Date.....: 02/24/07
Analysis Date..: 02/24/07 **Prep Batch #...:** 7057188
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	108	(76 - 117)
Dibromofluoromethane	94	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
4-Bromofluorobenzene	111	(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 #: F7B260000-188 B **Work Order #:** JP41L1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQM111AA **Matrix.....:** WATER
MB Lot-Sample #: F7C020000-140

Prep Date.....: 02/28/07
Analysis Date..: 02/28/07 **Prep Batch #...:** 7061140
Dilution Factor: 1

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQM111AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(76 - 117)
Dibromofluoromethane	91	(82 - 130)
1,2-Dichloroethane-d4	91	(73 - 137)
4-Bromofluorobenzene	114	(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 #: F7C020000-140 B **Work Order #:** JQM111AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672
MB Lot-Sample #: F7C060000-299
Work Order #...: JQPTG1AA
Matrix.....: WATER
Prep Date.....: 03/02/07
Analysis Date..: 03/02/07
Prep Batch #...: 7065299
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	112	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	90	(73 - 137)
4-Bromofluorobenzene	98	(75 - 114)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQTAR1AA **Matrix.....:** WATER
MB Lot-Sample #: F7C060000-310

Prep Date.....: 03/03/07
Analysis Date..: 03/03/07 **Prep Batch #...:** 7065310
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetonitrile	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	20	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isobutanol	ND	20	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**1.9**	**1.0**	**ug/L**	**SW846 8260B**

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQTAR1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	111	(76 - 117)
Dibromofluoromethane	96	(82 - 130)
1,2-Dichloroethane-d4	90	(73 - 137)
4-Bromofluorobenzene	101	(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 #: F7C060000-310 B **Work Order #:** JQTAR1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JPPDG1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7B200000-211 JPPDG1AD-LCSD
Prep Date.....: 02/19/07 Analysis Date..: 02/19/07
Prep Batch #...: 7051211
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	6.60 a	ug/L	66		SW846 8260B
	10.0	6.37 a	ug/L	64	3.5	SW846 8260B
Ethylbenzene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.7	ug/L	107	1.9	SW846 8260B
1,4-Dioxane	200	216	ug/L	108		SW846 8260B
	200	210	ug/L	105	2.5	SW846 8260B
Vinyl chloride	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.3	ug/L	113	0.53	SW846 8260B
Acetone	10.0	8.43	ug/L	84		SW846 8260B
	10.0	7.32	ug/L	73	14	SW846 8260B
Methylene chloride	10.0	8.48	ug/L	85		SW846 8260B
	10.0	8.42	ug/L	84	0.69	SW846 8260B
Carbon disulfide	10.0	5.00 a	ug/L	50		SW846 8260B
	10.0	4.45 a	ug/L	44	12	SW846 8260B
1,1-Dichloroethane	10.0	8.77	ug/L	88		SW846 8260B
	10.0	9.03	ug/L	90	2.9	SW846 8260B
2-Butanone	10.0	9.00	ug/L	90		SW846 8260B
	10.0	8.59	ug/L	86	4.7	SW846 8260B
Chloroform	10.0	9.08	ug/L	91		SW846 8260B
	10.0	9.31	ug/L	93	2.4	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.74	ug/L	97		SW846 8260B
	10.0	9.87	ug/L	99	1.3	SW846 8260B
Propionitrile	50.0	57.0	ug/L	114		SW846 8260B
	50.0	55.9	ug/L	112	1.9	SW846 8260B
trans-1,2-Dichloroethene	10.0	8.50	ug/L	85		SW846 8260B
	10.0	8.76	ug/L	88	3.0	SW846 8260B
1,1,1-Trichloroethane	10.0	8.85	ug/L	88		SW846 8260B
	10.0	8.84	ug/L	88	0.040	SW846 8260B
Carbon tetrachloride	10.0	8.97	ug/L	90		SW846 8260B
	10.0	8.97	ug/L	90	0.010	SW846 8260B
1,2-Dichloroethane	10.0	9.40	ug/L	94		SW846 8260B
	10.0	9.41	ug/L	94	0.040	SW846 8260B
Benzene	10.0	9.08	ug/L	91		SW846 8260B
	10.0	9.31	ug/L	93	2.5	SW846 8260B
Trichloroethene	10.0	9.16	ug/L	92		SW846 8260B
	10.0	9.42	ug/L	94	2.7	SW846 8260B
4-Methyl-2-pentanone	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	2.6	SW846 8260B
1,1,2-Trichloroethane	10.0	9.45	ug/L	95		SW846 8260B
	10.0	9.60	ug/L	96	1.6	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPPDG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7B200000-211 JPPDG1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**9.24**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.40**	**ug/L**	**94**	**1.8**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**50.5**	**ug/L**	**101**		**SW846 8260B**
	50.0	**51.7**	**ug/L**	**103**	**2.4**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.64**	**ug/L**	**96**		**SW846 8260B**
	10.0	**9.72**	**ug/L**	**97**	**0.88**	**SW846 8260B**
1-Butanol	**100**	**96.4**	**ug/L**	**96**		**SW846 8260B**
	100	**79.9**	**ug/L**	**80**	**19**	**SW846 8260B**
Toluene	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**1.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	105	(90 - 118)
	108	(90 - 118)
Dibromofluoromethane	97	(83 - 125)
	100	(83 - 125)
1,2-Dichloroethane-d4	93	(75 - 135)
	99	(75 - 135)
4-Bromofluorobenzene	100	(78 - 119)
	99	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JP41L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7B260000-188 JP41L1AD-LCSD
Prep Date.....: 02/24/07 Analysis Date..: 02/24/07
Prep Batch #...: 7057188
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.79	ug/L	88		SW846 8260B
	10.0	8.41	ug/L	84	4.4	SW846 8260B
Ethylbenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.7	ug/L	107	0.28	SW846 8260B
1,4-Dioxane	200	212	ug/L	106		SW846 8260B
	200	239	ug/L	119	12	SW846 8260B
Vinyl chloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.1	ug/L	101	2.7	SW846 8260B
Acetone	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.48	ug/L	95	4.6	SW846 8260B
Methylene chloride	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.1	ug/L	111	0.090	SW846 8260B
Carbon disulfide	10.0	8.13	ug/L	81		SW846 8260B
	10.0	7.45	ug/L	75	8.7	SW846 8260B
1,1-Dichloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.39	SW846 8260B
2-Butanone	10.0	9.65	ug/L	97		SW846 8260B
	10.0	9.03	ug/L	90	6.7	SW846 8260B
Chloroform	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.72	ug/L	97	3.2	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.5	ug/L	105	1.6	SW846 8260B
Propionitrile	50.0	56.0	ug/L	112		SW846 8260B
	50.0	51.9	ug/L	104	7.7	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	0.89	SW846 8260B
1,1,1-Trichloroethane	10.0	9.77	ug/L	98		SW846 8260B
	10.0	9.78	ug/L	98	0.050	SW846 8260B
Carbon tetrachloride	10.0	9.94	ug/L	99		SW846 8260B
	10.0	9.66	ug/L	97	2.9	SW846 8260B
1,2-Dichloroethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.1	ug/L	101	1.6	SW846 8260B
Benzene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.0	ug/L	100	2.8	SW846 8260B
Trichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.85	ug/L	99	3.9	SW846 8260B
4-Methyl-2-pentanone	10.0	9.82	ug/L	98		SW846 8260B
	10.0	9.89	ug/L	99	0.69	SW846 8260B
1,1,2-Trichloroethane	10.0	9.45	ug/L	95		SW846 8260B
	10.0	9.46	ug/L	95	0.050	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JP41L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7B260000-188 JP41L1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	**10.0**	**9.90**	**ug/L**	**99**		**SW846 8260B**
	10.0	**9.91**	**ug/L**	**99**	**0.060**	**SW846 8260B**
Tetrahydrofuran	**50.0**	**53.7**	**ug/L**	**107**		**SW846 8260B**
	50.0	**50.2**	**ug/L**	**100**	**6.7**	**SW846 8260B**
1,4-Dichlorobenzene	**10.0**	**9.28**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.29**	**ug/L**	**93**	**0.060**	**SW846 8260B**
1-Butanol	**100**	**94.8**	**ug/L**	**95**		**SW846 8260B**
	100	**73.1 p**	**ug/L**	**73**	**26**	**SW846 8260B**
Toluene	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	10.0	**10.6**	**ug/L**	**106**	**0.56**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	108	(90 - 118)
	108	(90 - 118)
Dibromofluoromethane	103	(83 - 125)
	101	(83 - 125)
1,2-Dichloroethane-d4	102	(75 - 135)
	99	(75 - 135)
4-Bromofluorobenzene	98	(78 - 119)
	99	(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 #...: SL672 Work Order #...: JQM111AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7C020000-140 JQM111AD-LCSD
Prep Date.....: 02/28/07 Analysis Date..: 02/28/07
Prep Batch #...: 7061140
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.7	ug/L	107	0.46	SW846 8260B
Dibromochloromethane	10.0	9.58	ug/L	96		SW846 8260B
	10.0	9.55	ug/L	95	0.39	SW846 8260B
Chloromethane	10.0	11.9	ug/L	119		SW846 8260B
	10.0	10.0	ug/L	100	17	SW846 8260B
Bromomethane	10.0	12.1	ug/L	121		SW846 8260B
	10.0	11.4	ug/L	114	5.6	SW846 8260B
Chloroethane	10.0	10.5	ug/L	105		SW846 8260B
	10.0	9.37	ug/L	94	12	SW846 8260B
1,1-Dichloroethene	10.0	7.71	ug/L	77		SW846 8260B
	10.0	7.05 a	ug/L	70	9.0	SW846 8260B
1,2-Dichloroethene (total)	20.0	20.5	ug/L	102		SW846 8260B
	20.0	19.6	ug/L	98	4.4	SW846 8260B
1,2-Dichloropropane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.80	ug/L	98	5.5	SW846 8260B
Bromodichloromethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.68	ug/L	97	6.0	SW846 8260B
trans-1,3-Dichloropropene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.1	ug/L	101	3.6	SW846 8260B
2-Hexanone	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.0	ug/L	100	9.6	SW846 8260B
Chlorobenzene	10.0	9.48	ug/L	95		SW846 8260B
	10.0	9.28	ug/L	93	2.1	SW846 8260B
Bromoform	10.0	9.29	ug/L	93		SW846 8260B
	10.0	9.91	ug/L	99	6.5	SW846 8260B
Ethylbenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.6	ug/L	106	0.94	SW846 8260B
Styrene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.3	ug/L	103	3.7	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	8.67	ug/L	87		SW846 8260B
	10.0	8.66	ug/L	87	0.10	SW846 8260B
Allyl chloride	10.0	9.76	ug/L	98		SW846 8260B
	10.0	9.35	ug/L	94	4.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.09	ug/L	81		SW846 8260B
	10.0	8.63	ug/L	86	6.4	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JQM111AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7C020000-140 JQM111AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	9.55	ug/L	96		SW846 8260B
	10.0	9.22	ug/L	92	3.5	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	7.28	ug/L	73		SW846 8260B
	10.0	7.78	ug/L	78	6.6	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.20	ug/L	92	9.9	SW846 8260B
Ethyl methacrylate	10.0	9.83	ug/L	98		SW846 8260B
	10.0	10.5	ug/L	105	7.0	SW846 8260B
Methyl methacrylate	10.0	9.70	ug/L	97		SW846 8260B
	10.0	10.1	ug/L	101	3.7	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.02	ug/L	90		SW846 8260B
	10.0	8.58	ug/L	86	5.0	SW846 8260B
Trichlorofluoromethane	10.0	9.67	ug/L	97		SW846 8260B
	10.0	8.46	ug/L	85	13	SW846 8260B
Acetonitrile	50.0	56.0	ug/L	112		SW846 8260B
	50.0	42.8 p	ug/L	86	27	SW846 8260B
Iodomethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	11.7	ug/L	117	14	SW846 8260B
Vinyl acetate	10.0	6.34	ug/L	63		SW846 8260B
	10.0	6.82	ug/L	68	7.3	SW846 8260B
Acrolein	50.0	53.4	ug/L	107		SW846 8260B
	50.0	73.2 a,p	ug/L	146	31	SW846 8260B
Isobutanol	200	207	ug/L	103		SW846 8260B
	200	178	ug/L	89	15	SW846 8260B
Methacrylonitrile	50.0	53.6	ug/L	107		SW846 8260B
	50.0	53.8	ug/L	108	0.37	SW846 8260B
1,4-Dioxane	200	215	ug/L	108		SW846 8260B
	200	222	ug/L	111	2.9	SW846 8260B
Chloroprene	10.0	11.4	ug/L	114		SW846 8260B
	10.0	11.0	ug/L	110	4.0	SW846 8260B
Vinyl chloride	10.0	11.8	ug/L	118		SW846 8260B
	10.0	10.3	ug/L	103	14	SW846 8260B
Acetone	10.0	10.9	ug/L	109		SW846 8260B
	10.0	8.52 p	ug/L	85	24	SW846 8260B
Methylene chloride	10.0	11.8	ug/L	118		SW846 8260B
	10.0	12.6	ug/L	126	6.2	SW846 8260B
Carbon disulfide	10.0	6.74	ug/L	67		SW846 8260B
	10.0	6.27	ug/L	63	7.2	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JQM111AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7C020000-140 JQM111AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.88	ug/L	99		SW846 8260B
	10.0	9.27	ug/L	93	6.4	SW846 8260B
2-Butanone	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.2	ug/L	102	7.8	SW846 8260B
Chloroform	10.0	9.68	ug/L	97		SW846 8260B
	10.0	9.17	ug/L	92	5.3	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.5	ug/L	105	3.1	SW846 8260B
Propionitrile	50.0	58.4	ug/L	117		SW846 8260B
	50.0	56.2	ug/L	112	3.8	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.68	ug/L	97		SW846 8260B
	10.0	9.12	ug/L	91	5.9	SW846 8260B
1,1,1-Trichloroethane	10.0	9.51	ug/L	95		SW846 8260B
	10.0	8.89	ug/L	89	6.7	SW846 8260B
Carbon tetrachloride	10.0	9.53	ug/L	95		SW846 8260B
	10.0	9.03	ug/L	90	5.4	SW846 8260B
1,2-Dichloroethane	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.44	ug/L	94	4.5	SW846 8260B
Benzene	10.0	9.83	ug/L	98		SW846 8260B
	10.0	9.44	ug/L	94	4.1	SW846 8260B
Trichloroethene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.51	ug/L	95	5.1	SW846 8260B
4-Methyl-2-pentanone	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.5	ug/L	105	0.28	SW846 8260B
1,1,2-Trichloroethane	10.0	9.43	ug/L	94		SW846 8260B
	10.0	8.85	ug/L	88	6.3	SW846 8260B
Tetrachloroethene	10.0	9.90	ug/L	99		SW846 8260B
	10.0	9.61	ug/L	96	3.0	SW846 8260B
Tetrahydrofuran	50.0	57.8	ug/L	116		SW846 8260B
	50.0	51.3	ug/L	103	12	SW846 8260B
1,4-Dichlorobenzene	10.0	9.10	ug/L	91		SW846 8260B
	10.0	8.83	ug/L	88	3.0	SW846 8260B
1-Butanol	100	110	ug/L	110		SW846 8260B
	100	81.5 p	ug/L	82	30	SW846 8260B
Toluene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	9.98	ug/L	100	3.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(90 - 118)
	102	(90 - 118)
Dibromofluoromethane	102	(83 - 125)
	95	(83 - 125)
1,2-Dichloroethane-d4	103	(75 - 135)
	92	(75 - 135)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQM111AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7C020000-140 JQM111AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(78 - 119)
	105	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQPTG1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7C060000-299 JQPTG1AD-LCSD
Prep Date.....: 03/02/07 **Analysis Date..:** 03/02/07
Prep Batch #...: 7065299
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon tetrachloride	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	10.0	**10.4**	**ug/L**	**104**	**1.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(90 - 118)
	100	(90 - 118)
Dibromofluoromethane	92	(83 - 125)
	92	(83 - 125)
1,2-Dichloroethane-d4	85	(75 - 135)
	84	(75 - 135)
4-Bromofluorobenzene	97	(78 - 119)
	98	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JQTAR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7C060000-310 JQTAR1AD-LCSD
Prep Date.....: 03/03/07 Analysis Date..: 03/03/07
Prep Batch #...: 7065310
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
cis-1,3-Dichloropropene	10.0	9.78	ug/L	98		SW846 8260B
	10.0	9.54	ug/L	95	2.5	SW846 8260B
Dibromochloromethane	10.0	8.58	ug/L	86		SW846 8260B
	10.0	8.24 a	ug/L	82	4.1	SW846 8260B
Chloromethane	10.0	7.93	ug/L	79		SW846 8260B
	10.0	8.21	ug/L	82	3.5	SW846 8260B
Bromomethane	10.0	12.5	ug/L	125		SW846 8260B
	10.0	12.9	ug/L	129	2.9	SW846 8260B
Chloroethane	10.0	9.92	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	2.8	SW846 8260B
1,1-Dichloroethene	10.0	9.66	ug/L	97		SW846 8260B
	10.0	9.41	ug/L	94	2.6	SW846 8260B
1,2-Dichloroethene (total)	20.0	19.6	ug/L	98		SW846 8260B
	20.0	18.9	ug/L	94	3.8	SW846 8260B
1,2-Dichloropropane	10.0	9.66	ug/L	97		SW846 8260B
	10.0	9.55	ug/L	96	1.2	SW846 8260B
Bromodichloromethane	10.0	9.15	ug/L	91		SW846 8260B
	10.0	9.13	ug/L	91	0.14	SW846 8260B
trans-1,3-Dichloropropene	10.0	9.88	ug/L	99		SW846 8260B
	10.0	9.57	ug/L	96	3.1	SW846 8260B
2-Hexanone	10.0	8.92	ug/L	89		SW846 8260B
	10.0	8.67	ug/L	87	2.8	SW846 8260B
Chlorobenzene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.0	ug/L	100	2.9	SW846 8260B
Bromoform	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.92	ug/L	99	3.7	SW846 8260B
Ethylbenzene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.8	ug/L	108	1.3	SW846 8260B
Styrene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.95	ug/L	99	2.2	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	9.67	ug/L	97		SW846 8260B
	10.0	9.24	ug/L	92	4.5	SW846 8260B
Allyl chloride	10.0	9.19	ug/L	92		SW846 8260B
	10.0	9.29	ug/L	93	1.1	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	8.55	ug/L	85		SW846 8260B
	10.0	7.06	ug/L	71	19	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQTAR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7C060000-310 JQTAR1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2-Dibromoethane	10.0	9.09	ug/L	91		SW846 8260B
	10.0	8.81	ug/L	88	3.1	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	8.69	ug/L	87		SW846 8260B
	10.0	8.46	ug/L	85	2.7	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	5.38	ug/L	54		SW846 8260B
	10.0	5.72	ug/L	57	6.2	SW846 8260B
Ethyl methacrylate	10.0	7.79	ug/L	78		SW846 8260B
	10.0	7.16	ug/L	72	8.4	SW846 8260B
Methyl methacrylate	10.0	7.44	ug/L	74		SW846 8260B
	10.0	7.39	ug/L	74	0.72	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.82	ug/L	98	1.7	SW846 8260B
Trichlorofluoromethane	10.0	9.36	ug/L	94		SW846 8260B
	10.0	9.65	ug/L	96	3.0	SW846 8260B
Acetonitrile	50.0	39.4	ug/L	79		SW846 8260B
	50.0	42.7	ug/L	85	7.9	SW846 8260B
Iodomethane	10.0	14.6 a	ug/L	146		SW846 8260B
	10.0	14.2 a	ug/L	142	2.4	SW846 8260B
Vinyl acetate	10.0	11.6	ug/L	116		SW846 8260B
	10.0	11.3	ug/L	113	3.0	SW846 8260B
Acrolein	50.0	122 a	ug/L	244		SW846 8260B
	50.0	114 a	ug/L	227	7.1	SW846 8260B
Isobutanol	200	177	ug/L	89		SW846 8260B
	200	172	ug/L	86	3.2	SW846 8260B
Methacrylonitrile	50.0	41.5	ug/L	83		SW846 8260B
	50.0	39.6	ug/L	79	4.8	SW846 8260B
1,4-Dioxane	200	159	ug/L	80		SW846 8260B
	200	173	ug/L	86	8.2	SW846 8260B
Chloroprene	10.0	11.4	ug/L	114		SW846 8260B
	10.0	11.3	ug/L	113	1.3	SW846 8260B
Vinyl chloride	10.0	9.28	ug/L	93		SW846 8260B
	10.0	9.39	ug/L	94	1.2	SW846 8260B
Acetone	10.0	8.08	ug/L	81		SW846 8260B
	10.0	8.60	ug/L	86	6.2	SW846 8260B
Methylene chloride	10.0	9.27	ug/L	93		SW846 8260B
	10.0	9.06	ug/L	91	2.3	SW846 8260B
Carbon disulfide	10.0	9.44	ug/L	94		SW846 8260B
	10.0	9.00	ug/L	90	4.9	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQTAR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7C060000-310 JQTAR1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethane	10.0	9.91	ug/L	99		SW846 8260B
	10.0	9.81	ug/L	98	0.99	SW846 8260B
2-Butanone	10.0	5.10 a	ug/L	51		SW846 8260B
	10.0	4.88 a	ug/L	49	4.4	SW846 8260B
Chloroform	10.0	9.55	ug/L	96		SW846 8260B
	10.0	9.12	ug/L	91	4.6	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.80	ug/L	98		SW846 8260B
	10.0	9.35	ug/L	93	4.8	SW846 8260B
Propionitrile	50.0	46.9	ug/L	94		SW846 8260B
	50.0	45.4	ug/L	91	3.1	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.80	ug/L	98		SW846 8260B
	10.0	9.51	ug/L	95	3.0	SW846 8260B
1,1,1-Trichloroethane	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.68	ug/L	97	2.6	SW846 8260B
Carbon tetrachloride	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.2	ug/L	102	0.87	SW846 8260B
1,2-Dichloroethane	10.0	9.06	ug/L	91		SW846 8260B
	10.0	9.08	ug/L	91	0.22	SW846 8260B
Benzene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	9.52	ug/L	95	1.9	SW846 8260B
Trichloroethene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	9.94	ug/L	99	1.7	SW846 8260B
4-Methyl-2-pentanone	10.0	8.00	ug/L	80		SW846 8260B
	10.0	8.21	ug/L	82	2.7	SW846 8260B
1,1,2-Trichloroethane	10.0	9.22	ug/L	92		SW846 8260B
	10.0	8.83	ug/L	88	4.3	SW846 8260B
Tetrachloroethene	10.0	8.31	ug/L	83		SW846 8260B
	10.0	8.01	ug/L	80	3.7	SW846 8260B
Tetrahydrofuran	50.0	46.9	ug/L	94		SW846 8260B
	50.0	47.9	ug/L	96	2.2	SW846 8260B
1,4-Dichlorobenzene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.1	ug/L	101	2.2	SW846 8260B
1-Butanol	100	58.6	ug/L	59		SW846 8260B
	100	66.4	ug/L	66	13	SW846 8260B
Toluene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.0	ug/L	100	3.7	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	99	(90 - 118)
	100	(90 - 118)
Dibromofluoromethane	90	(83 - 125)
	92	(83 - 125)
1,2-Dichloroethane-d4	79	(75 - 135)
	87	(75 - 135)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JQTAR1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7C060000-310 JQTAR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	97	(78 - 119)
	96	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JN9GL1AD-MS Matrix.....: WATER
MS Lot-Sample #: F7B100185-011 JN9GL1AE-MSD
Date Sampled...: 02/09/07 Date Received..: 02/10/07
Prep Date.....: 02/19/07 Analysis Date..: 02/19/07
Prep Batch #...: 7051211
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	7.08	ug/L	71		SW846 8260B
	ND	10.0	7.25	ug/L	72	2.3	SW846 8260B
Ethylbenzene	ND	10.0	9.42	ug/L	94		SW846 8260B
	ND	10.0	9.48	ug/L	95	0.66	SW846 8260B
1,4-Dioxane	ND	200	134	ug/L	67		SW846 8260B
	ND	200	178	ug/L	89 p	28	SW846 8260B
Vinyl chloride	ND	10.0	9.54	ug/L	95		SW846 8260B
	ND	10.0	10.4	ug/L	104	8.6	SW846 8260B
Acetone	ND	10.0	7.74	ug/L	77		SW846 8260B
	ND	10.0	6.46	ug/L	65	18	SW846 8260B
Methylene chloride	3.0	10.0	11.4	ug/L	84		SW846 8260B
	3.0	10.0	11.4	ug/L	84	0.61	SW846 8260B
Carbon disulfide	ND	10.0	7.00	ug/L	70		SW846 8260B
	ND	10.0	7.03	ug/L	70	0.39	SW846 8260B
1,1-Dichloroethane	ND	10.0	9.10	ug/L	91		SW846 8260B
	ND	10.0	9.00	ug/L	90	1.1	SW846 8260B
2-Butanone	ND	10.0	8.59	ug/L	86		SW846 8260B
	ND	10.0	9.13	ug/L	91	6.2	SW846 8260B
Chloroform	ND	10.0	8.98	ug/L	90		SW846 8260B
	ND	10.0	9.06	ug/L	91	0.94	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.79	ug/L	98		SW846 8260B
	ND	10.0	10.0	ug/L	100	2.2	SW846 8260B
Propionitrile	ND	50.0	52.7	ug/L	105		SW846 8260B
	ND	50.0	50.6	ug/L	101	4.0	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.27	ug/L	93		SW846 8260B
	ND	10.0	9.22	ug/L	92	0.51	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	8.78	ug/L	88		SW846 8260B
	ND	10.0	8.72	ug/L	87	0.62	SW846 8260B
Carbon tetrachloride	ND	10.0	8.74	ug/L	87		SW846 8260B
	ND	10.0	9.02	ug/L	90	3.1	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.27	ug/L	93		SW846 8260B
	ND	10.0	8.98	ug/L	90	3.1	SW846 8260B
Benzene	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	9.21	ug/L	92	1.3	SW846 8260B
Trichloroethene	0.11	10.0	9.42	ug/L	93		SW846 8260B
	0.11	10.0	9.07	ug/L	90	3.8	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	8.40	ug/L	84		SW846 8260B
	ND	10.0	8.67	ug/L	87	3.2	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.14	ug/L	81		SW846 8260B
	ND	10.0	8.08	ug/L	81	0.70	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JN9GL1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B100185-011 JN9GL1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**ND**	**10.0**	**8.50**	**ug/L**	**85**		**SW846 8260B**
	ND	**10.0**	**8.60**	**ug/L**	**86**	**1.2**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**51.4**	**ug/L**	**103**		**SW846 8260B**
	ND	**50.0**	**50.5**	**ug/L**	**101**	**1.8**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.11**	**ug/L**	**81**		**SW846 8260B**
	ND	**10.0**	**8.14**	**ug/L**	**81**	**0.32**	**SW846 8260B**
1-Butanol	**ND**	**100**	**69.0**	**ug/L**	**69**		**SW846 8260B**
	ND	**100**	**81.5**	**ug/L**	**82**	**17**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.09**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.22**	**ug/L**	**92**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	101	(76 - 117)
	100	(76 - 117)
Dibromofluoromethane	101	(82 - 130)
	101	(82 - 130)
1,2-Dichloroethane-d4	96	(73 - 137)
	95	(73 - 137)
4-Bromofluorobenzene	102	(75 - 114)
	102	(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 #...: SL672 Work Order #...: JPCRN1AK-MS Matrix.....: WATER
MS Lot-Sample #: F7B130173-004 JPCRN1AL-MSD
Date Sampled...: 02/12/07 Date Received..: 02/13/07
Prep Date.....: 02/24/07 Analysis Date..: 02/24/07
Prep Batch #...: 7057188
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	6.59	ug/L	66		SW846 8260B
	ND	10.0	6.83	ug/L	68	3.5	SW846 8260B
Ethylbenzene	ND	10.0	8.86	ug/L	89		SW846 8260B
	ND	10.0	9.11	ug/L	91	2.8	SW846 8260B
1,4-Dioxane	ND	200	171	ug/L	86		SW846 8260B
	ND	200	177	ug/L	89	3.5	SW846 8260B
Vinyl chloride	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	9.65	ug/L	96	3.9	SW846 8260B
Acetone	ND	10.0	6.02	ug/L	60		SW846 8260B
	ND	10.0	6.49	ug/L	65	7.5	SW846 8260B
Methylene chloride	ND	10.0	8.21	ug/L	82		SW846 8260B
	ND	10.0	8.31	ug/L	83	1.3	SW846 8260B
Carbon disulfide	ND	10.0	6.49	ug/L	65		SW846 8260B
	ND	10.0	6.68	ug/L	67	2.9	SW846 8260B
1,1-Dichloroethane	0.42	10.0	9.19	ug/L	88		SW846 8260B
	0.42	10.0	9.16	ug/L	87	0.30	SW846 8260B
2-Butanone	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	8.73	ug/L	87	3.8	SW846 8260B
Chloroform	0.17	10.0	8.73	ug/L	86		SW846 8260B
	0.17	10.0	8.90	ug/L	87	1.8	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.45	ug/L	95		SW846 8260B
	ND	10.0	9.56	ug/L	96	1.1	SW846 8260B
Propionitrile	ND	50.0	45.3	ug/L	91		SW846 8260B
	ND	50.0	50.9	ug/L	102	12	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.72	ug/L	87		SW846 8260B
	ND	10.0	8.69	ug/L	87	0.31	SW846 8260B
1,1,1-Trichloroethane	0.98	10.0	9.29	ug/L	83		SW846 8260B
	0.98	10.0	9.46	ug/L	85	1.8	SW846 8260B
Carbon tetrachloride	ND	10.0	8.25	ug/L	82		SW846 8260B
	ND	10.0	8.51	ug/L	85	3.2	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.08	ug/L	91		SW846 8260B
	ND	10.0	8.92	ug/L	89	1.8	SW846 8260B
Benzene	ND	10.0	8.88	ug/L	89		SW846 8260B
	ND	10.0	8.88	ug/L	89	0.01	SW846 8260B
Trichloroethene	0.47	10.0	8.90	ug/L	84		SW846 8260B
	0.47	10.0	8.88	ug/L	84	0.14	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.66	ug/L	97		SW846 8260B
	ND	10.0	9.88	ug/L	99	2.2	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.28	ug/L	83		SW846 8260B
	ND	10.0	8.52	ug/L	85	3.0	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPCRN1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B130173-004 JPCRN1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethene	**1.1**	**10.0**	**8.71**	**ug/L**	**77**		**SW846 8260B**
	1.1	**10.0**	**9.04**	**ug/L**	**80**	**3.7**	**SW846 8260B**
Tetrahydrofuran	**ND**	**50.0**	**50.0**	**ug/L**	**100**		**SW846 8260B**
	ND	**50.0**	**50.2**	**ug/L**	**100**	**0.47**	**SW846 8260B**
1,4-Dichlorobenzene	**ND**	**10.0**	**8.03**	**ug/L**	**80**		**SW846 8260B**
	ND	**10.0**	**7.89**	**ug/L**	**79**	**1.8**	**SW846 8260B**
1-Butanol	**ND**	**100**	**79.9**	**ug/L**	**80**		**SW846 8260B**
	ND	**100**	**61.2**	**ug/L**	**61 p**	**27**	**SW846 8260B**
Toluene	**ND**	**10.0**	**8.68**	**ug/L**	**87**		**SW846 8260B**
	ND	**10.0**	**8.90**	**ug/L**	**89**	**2.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 117)
	97	(76 - 117)
Dibromofluoromethane	99	(82 - 130)
	96	(82 - 130)
1,2-Dichloroethane-d4	100	(73 - 137)
	93	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)
	98	(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 #...: SL672 **Work Order #...:** JPV0D1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B220186-001 JPV0D1AE-MSD
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07
Prep Date.....: 02/28/07 **Analysis Date..:** 02/28/07
Prep Batch #...: 7061140
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	9.97	ug/L	100	1.8	SW846 8260B
Chloromethane	0.11	10.0	10.8	ug/L	106		SW846 8260B
	0.11	10.0	12.1	ug/L	120	11	SW846 8260B
Bromomethane	ND	10.0	9.34	ug/L	93		SW846 8260B
	ND	10.0	11.6	ug/L	116 p	21	SW846 8260B
Chloroethane	ND	10.0	8.84	ug/L	88		SW846 8260B
	ND	10.0	9.73	ug/L	97	9.5	SW846 8260B
1,1-Dichloroethene	ND	10.0	6.63	ug/L	66		SW846 8260B
	ND	10.0	6.68	ug/L	67	0.78	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	18.8	ug/L	94		SW846 8260B
	ND	20.0	18.7	ug/L	94	0.74	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.20	ug/L	92	5.1	SW846 8260B
Bromodichloromethane	0.23	10.0	9.97	ug/L	97		SW846 8260B
	0.23	10.0	9.46	ug/L	92	5.2	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.55	ug/L	95		SW846 8260B
	ND	10.0	9.14	ug/L	91	4.3	SW846 8260B
2-Hexanone	ND	10.0	9.68	ug/L	97		SW846 8260B
	ND	10.0	9.56	ug/L	96	1.2	SW846 8260B
Chlorobenzene	ND	10.0	8.66	ug/L	87		SW846 8260B
	ND	10.0	8.64	ug/L	86	0.23	SW846 8260B
Bromoform	ND	10.0	8.43	ug/L	84		SW846 8260B
	ND	10.0	9.07	ug/L	91	7.4	SW846 8260B
Ethylbenzene	ND	10.0	9.73	ug/L	97		SW846 8260B
	ND	10.0	9.47	ug/L	95	2.7	SW846 8260B
Styrene	ND	10.0	8.89	ug/L	89		SW846 8260B
	ND	10.0	8.86	ug/L	89	0.36	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	7.84	ug/L	78		SW846 8260B
	ND	10.0	8.06	ug/L	81	2.8	SW846 8260B
Dibromochloromethane	ND	10.0	8.91	ug/L	89		SW846 8260B
	ND	10.0	8.93	ug/L	89	0.17	SW846 8260B
Allyl chloride	ND	10.0	8.26	ug/L	83		SW846 8260B
	ND	10.0	7.84	ug/L	78	5.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	6.57	ug/L	66		SW846 8260B
	ND	10.0	6.83	ug/L	68	3.8	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPV0D1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B220186-001 JPV0D1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	8.42	ug/L	84		SW846 8260B
	ND	10.0	8.52	ug/L	85	1.1	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	7.77	ug/L	78		SW846 8260B
	ND	10.0	7.63	ug/L	76	1.8	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	8.19	ug/L	82		SW846 8260B
	ND	10.0	9.45	ug/L	95	14	SW846 8260B
Ethyl methacrylate	ND	10.0	8.61	ug/L	86		SW846 8260B
	ND	10.0	8.98	ug/L	90	4.2	SW846 8260B
Methyl methacrylate	ND	10.0	8.43	ug/L	84		SW846 8260B
	ND	10.0	8.22	ug/L	82	2.5	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	8.10	ug/L	81		SW846 8260B
	ND	10.0	8.27	ug/L	83	2.1	SW846 8260B
Trichlorofluoromethane	ND	10.0	7.54	ug/L	75		SW846 8260B
	ND	10.0	8.96	ug/L	90	17	SW846 8260B
Acetonitrile	ND	50.0	44.9	ug/L	90		SW846 8260B
	ND	50.0	40.5	ug/L	81	10	SW846 8260B
Iodomethane	ND	10.0	6.53	ug/L	65		SW846 8260B
	ND	10.0	6.45	ug/L	64	1.2	SW846 8260B
Vinyl acetate	ND	10.0	5.68	ug/L	57		SW846 8260B
	ND	10.0	5.70	ug/L	57	0.49	SW846 8260B
Acrolein	ND	50.0	71.5	ug/L	143		SW846 8260B
	ND	50.0	82.0	ug/L	164	14	SW846 8260B
	Qualifiers:	a,N					
Isobutanol	ND	200	177	ug/L	89		SW846 8260B
	ND	200	136	ug/L	68 p	26	SW846 8260B
Methacrylonitrile	ND	50.0	48.9	ug/L	98		SW846 8260B
	ND	50.0	49.1	ug/L	98	0.40	SW846 8260B
1,4-Dioxane	ND	200	110	ug/L	55		SW846 8260B
	ND	200	157	ug/L	78 p	35	SW846 8260B
Chloroprene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.5	ug/L	105	2.2	SW846 8260B
Vinyl chloride	ND	10.0	8.84	ug/L	88		SW846 8260B
	ND	10.0	11.2	ug/L	112 p	24	SW846 8260B
Acetone	ND	10.0	13.0	ug/L	130		SW846 8260B
	ND	10.0	9.24	ug/L	92 p	34	SW846 8260B
Methylene chloride	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	8.80	ug/L	88	2.8	SW846 8260B
Carbon disulfide	0.63	10.0	6.25	ug/L	56		SW846 8260B
	0.63	10.0	6.10	ug/L	55	2.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPV0D1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B220186-001 JPV0D1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	8.83	ug/L	88	2.7	SW846 8260B
2-Butanone	ND	10.0	9.44	ug/L	94		SW846 8260B
	ND	10.0	9.10	ug/L	91	3.6	SW846 8260B
Chloroform	8.4	10.0	17.7	ug/L	93		SW846 8260B
	8.4	10.0	17.1	ug/L	86	3.7	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.84	ug/L	98		SW846 8260B
	ND	10.0	9.81	ug/L	98	0.25	SW846 8260B
Propionitrile	ND	50.0	49.3	ug/L	99		SW846 8260B
	ND	50.0	48.6	ug/L	97	1.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.01	ug/L	90		SW846 8260B
	ND	10.0	8.90	ug/L	89	1.3	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	9.09	ug/L	91		SW846 8260B
	ND	10.0	8.92	ug/L	89	1.8	SW846 8260B
1,2-Dichloroethane	ND	10.0	8.90	ug/L	89		SW846 8260B
	ND	10.0	8.68	ug/L	87	2.5	SW846 8260B
Benzene	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.08	ug/L	91	2.4	SW846 8260B
Trichloroethene	7.3	10.0	16.8	ug/L	94		SW846 8260B
	7.3	10.0	16.3	ug/L	89	3.0	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.27	ug/L	93		SW846 8260B
	ND	10.0	9.67	ug/L	97	4.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.60	ug/L	86		SW846 8260B
	ND	10.0	8.44	ug/L	84	1.9	SW846 8260B
Tetrachloroethene	0.59	10.0	9.66	ug/L	91		SW846 8260B
	0.59	10.0	9.24	ug/L	86	4.5	SW846 8260B
Tetrahydrofuran	ND	50.0	43.4	ug/L	87		SW846 8260B
	ND	50.0	50.2	ug/L	100	14	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.19	ug/L	82		SW846 8260B
	ND	10.0	8.25	ug/L	82	0.65	SW846 8260B
1-Butanol	ND	100	51.7	ug/L	52		SW846 8260B
	ND	100	64.1	ug/L	64 p	21	SW846 8260B
Toluene	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.30	ug/L	93	0.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
	100	(76 - 117)
Dibromofluoromethane	143 *	(82 - 130)
	141 *	(82 - 130)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JPV0D1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B220186-001 JPV0D1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	93	(73 - 137)
	90	(73 - 137)
4-Bromofluorobenzene	94	(75 - 114)
	98	(75 - 114)

NOTE(S):

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

Bold print denotes control parameters

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

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JP2541A5-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B240139-001 JP2541A6-MSD
Date Sampled...: 02/23/07 **Date Received..:** 02/24/07
Prep Date.....: 03/03/07 **Analysis Date..:** 03/03/07
Prep Batch #...: 7065310
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	10.0	9.50	ug/L	95		SW846 8260B
	ND	10.0	9.22	ug/L	92	2.9	SW846 8260B
Chloromethane	ND	10.0	8.96	ug/L	90		SW846 8260B
	ND	10.0	9.54	ug/L	95	6.3	SW846 8260B
Bromomethane	ND	10.0	13.4	ug/L	134		SW846 8260B
	ND	10.0	14.3	ug/L	143	6.9	SW846 8260B
Chloroethane	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	11.0	ug/L	110	1.2	SW846 8260B
1,1-Dichloroethene	ND	10.0	5.66	ug/L	57 a,N		SW846 8260B
	ND	10.0	5.58	ug/L	56 a,N	1.4	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	19.0	ug/L	95		SW846 8260B
	ND	20.0	18.6	ug/L	93	2.3	SW846 8260B
1,2-Dichloropropane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.1	SW846 8260B
Bromodichloromethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.1	ug/L	101	3.5	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	9.04	ug/L	90	0.19	SW846 8260B
2-Hexanone	ND	10.0	8.04	ug/L	80		SW846 8260B
	ND	10.0	8.23	ug/L	82	2.3	SW846 8260B
Chlorobenzene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.6	SW846 8260B
Bromoform	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.8	ug/L	108	1.1	SW846 8260B
Ethylbenzene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.2	ug/L	112	1.1	SW846 8260B
Styrene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.59	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.83	ug/L	98	2.3	SW846 8260B
Dibromochloromethane	ND	10.0	8.76	ug/L	88		SW846 8260B
	ND	10.0	8.52	ug/L	85	2.8	SW846 8260B
Allyl chloride	ND	10.0	6.65	ug/L	66		SW846 8260B
	ND	10.0	6.88	ug/L	69	3.4	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	5.81	ug/L	58		SW846 8260B
	ND	10.0	8.63	ug/L	86 p	39	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 Work Order #...: JP2541A5-MS Matrix.....: WATER
MS Lot-Sample #: F7B240139-001 JP2541A6-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromoethane	ND	10.0	9.54	ug/L	95		SW846 8260B
	ND	10.0	8.99	ug/L	90	5.8	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	7.29	ug/L	73		SW846 8260B
	ND	10.0	6.73	ug/L	67	7.9	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	6.29	ug/L	63		SW846 8260B
	ND	10.0	6.65	ug/L	67	5.6	SW846 8260B
Ethyl methacrylate	ND	10.0	7.68	ug/L	77		SW846 8260B
	ND	10.0	7.69	ug/L	77	0.15	SW846 8260B
Methyl methacrylate	ND	10.0	7.09	ug/L	71		SW846 8260B
	ND	10.0	7.60	ug/L	76	6.9	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	9.90	ug/L	99	4.2	SW846 8260B
Trichlorofluoromethane	ND	10.0	9.98	ug/L	100		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.4	SW846 8260B
Acetonitrile	ND	50.0	44.0	ug/L	88		SW846 8260B
	ND	50.0	41.8	ug/L	84	5.2	SW846 8260B
Iodomethane	ND	10.0	9.24	ug/L	92		SW846 8260B
	ND	10.0	8.88	ug/L	89	3.9	SW846 8260B
Vinyl acetate	ND	10.0	4.19	ug/L	42		SW846 8260B
	ND	10.0	4.33	ug/L	43	3.2	SW846 8260B
Acrolein	ND	50.0	46.8	ug/L	94		SW846 8260B
	ND	50.0	37.7	ug/L	75 p	22	SW846 8260B
Isobutanol	ND	200	188	ug/L	94		SW846 8260B
	ND	200	178	ug/L	89	5.2	SW846 8260B
Methacrylonitrile	ND	50.0	44.4	ug/L	89		SW846 8260B
	ND	50.0	44.0	ug/L	88	1.0	SW846 8260B
1,4-Dioxane	ND	200	175	ug/L	87		SW846 8260B
	ND	200	171	ug/L	86	2.2	SW846 8260B
Chloroprene	ND	10.0	10.8	ug/L	108		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.4	SW846 8260B
Vinyl chloride	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.8	ug/L	108	5.3	SW846 8260B
Acetone	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	9.18	ug/L	92	11	SW846 8260B
Methylene chloride	ND	10.0	7.69	ug/L	77		SW846 8260B
	ND	10.0	7.41	ug/L	74	3.7	SW846 8260B
Carbon disulfide	ND	10.0	3.24	ug/L	32 a,N		SW846 8260B
	ND	10.0	3.20	ug/L	32 a,N	1.3	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JP2541A5-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B240139-001 JP2541A6-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethane	ND	10.0	9.74	ug/L	97		SW846 8260B
	ND	10.0	9.63	ug/L	96	1.2	SW846 8260B
2-Butanone	ND	10.0	5.93	ug/L	59		SW846 8260B
	ND	10.0	4.51	ug/L	45	27	SW846 8260B
	Qualifiers:		a,p,N				
Chloroform	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.0	ug/L	100	3.1	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.91	ug/L	99	1.9	SW846 8260B
Propionitrile	ND	50.0	52.2	ug/L	104		SW846 8260B
	ND	50.0	48.2	ug/L	96	7.9	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	8.91	ug/L	89		SW846 8260B
	ND	10.0	8.67	ug/L	87	2.8	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.59	ug/L	96	5.0	SW846 8260B
Carbon tetrachloride	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	9.98	ug/L	100	3.1	SW846 8260B
1,2-Dichloroethane	ND	10.0	9.87	ug/L	99		SW846 8260B
	ND	10.0	9.46	ug/L	95	4.2	SW846 8260B
Benzene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	9.62	ug/L	96	4.8	SW846 8260B
Trichloroethene	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	9.98	ug/L	100	3.6	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	7.46	ug/L	75		SW846 8260B
	ND	10.0	7.95	ug/L	80	6.3	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	8.85	ug/L	89		SW846 8260B
	ND	10.0	9.02	ug/L	90	1.9	SW846 8260B
Tetrachloroethene	ND	10.0	8.72	ug/L	87		SW846 8260B
	ND	10.0	8.38	ug/L	84	4.0	SW846 8260B
Tetrahydrofuran	ND	50.0	49.0	ug/L	98		SW846 8260B
	ND	50.0	46.7	ug/L	93	4.9	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.6	ug/L	106	1.5	SW846 8260B
1-Butanol	ND	100	70.1	ug/L	70		SW846 8260B
	ND	100	71.4	ug/L	71	1.8	SW846 8260B
Toluene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.4	ug/L	104	3.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	106	(76 - 117)
	107	(76 - 117)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL672 **Work Order #...:** JP2541A5-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B240139-001 JP2541A6-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(82 - 130)
	93	(82 - 130)
1,2-Dichloroethane-d4	88	(73 - 137)
	87	(73 - 137)
4-Bromofluorobenzene	96	(75 - 114)
	101	(75 - 114)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

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

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1LT40

GC Semivolatiles

Lot-Sample #...: F7B130161-006 **Work Order #...:** JPCPR1AJ **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/19/07 **Analysis Date..:** 02/22/07
Prep Batch #...: 7050481
Dilution Factor: 1 **Method.....:** SW846 8040A

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

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL672 **Work Order #...:** JPN041AA **Matrix.....:** WATER
MB Lot-Sample #: F7B190000-481

Prep Date.....: 02/19/07
Analysis Date..: 02/22/07 **Prep Batch #...:** 7050481
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	66	(55 - 118)
2-Fluorophenol	58	(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 #...: SL672 **Work Order #...:** JPN041AC **Matrix.....:** WATER
LCS Lot-Sample#: F7B190000-481
Prep Date.....: 02/19/07 **Analysis Date..:** 02/22/07
Prep Batch #...: 7050481
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**69.7**	**ug/L**	**70**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**83.4**	**ug/L**	**83**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**72.8**	**ug/L**	**73**	**SW846 8040A**
2-Methylphenol	**100**	**71.9**	**ug/L**	**72**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**71.4**	**ug/L**	**71**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**72.7**	**ug/L**	**73**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**70.8**	**ug/L**	**71**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**85.7**	**ug/L**	**86**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**81.2**	**ug/L**	**81**	**SW846 8040A**
Dinoseb	**100**	**87.5**	**ug/L**	**88**	**SW846 8040A**
2-Nitrophenol	**100**	**72.7**	**ug/L**	**73**	**SW846 8040A**
4-Nitrophenol	**100**	**81.9**	**ug/L**	**82**	**SW846 8040A**
Pentachlorophenol	**100**	**78.6**	**ug/L**	**79**	**SW846 8040A**
Phenol	**100**	**70.8**	**ug/L**	**71**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**89.2**	**ug/L**	**89**	**SW846 8040A**
2,4,5-Trichlorophenol	**100**	**82.6**	**ug/L**	**83**	**SW846 8040A**
2,4,6-Trichlorophenol	**100**	**83.1**	**ug/L**	**83**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	77	(66 - 99)
2-Fluorophenol	67	(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 #...: SL672 **Work Order #...:** JPCPR1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B130161-006 JPCPR1AL-MSD
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07
Prep Date.....: 02/19/07 **Analysis Date..:** 02/22/07
Prep Batch #...: 7050481
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	96.2	69.6	ug/L	72		SW846 8040A
	ND	95.1	68.0	ug/L	72	2.3	SW846 8040A
4-Chloro-3-methylphenol	ND	96.2	81.8	ug/L	85		SW846 8040A
	ND	95.1	81.1	ug/L	85	0.82	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	96.2	71.6	ug/L	74		SW846 8040A
	ND	95.1	71.1	ug/L	75	0.65	SW846 8040A
2-Methylphenol	ND	96.2	70.8	ug/L	74		SW846 8040A
	ND	95.1	69.6	ug/L	73	1.8	SW846 8040A
2,4-Dichlorophenol	ND	96.2	70.8	ug/L	74		SW846 8040A
	ND	95.1	70.4	ug/L	74	0.53	SW846 8040A
2,6-Dichlorophenol	ND	96.2	72.1	ug/L	75		SW846 8040A
	ND	95.1	71.4	ug/L	75	0.90	SW846 8040A
2,4-Dimethylphenol	ND	96.2	63.8	ug/L	66		SW846 8040A
	ND	95.1	62.4	ug/L	66	2.3	SW846 8040A
2,4-Dinitrophenol	ND	96.2	84.7	ug/L	88		SW846 8040A
	ND	95.1	82.9	ug/L	87	2.2	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	96.2	81.2	ug/L	84		SW846 8040A
	ND	95.1	79.7	ug/L	84	1.9	SW846 8040A
Dinoseb	ND	96.2	86.6	ug/L	90		SW846 8040A
	ND	95.1	82.7	ug/L	87	4.5	SW846 8040A
2-Nitrophenol	ND	96.2	74.6	ug/L	78		SW846 8040A
	ND	95.1	75.5	ug/L	79	1.2	SW846 8040A
4-Nitrophenol	ND	96.2	79.1	ug/L	82		SW846 8040A
	ND	95.1	78.1	ug/L	82	1.4	SW846 8040A
Pentachlorophenol	ND	96.2	77.9	ug/L	81		SW846 8040A
	ND	95.1	75.4	ug/L	79	3.2	SW846 8040A
Phenol	ND	96.2	68.9	ug/L	72		SW846 8040A
	ND	95.1	68.2	ug/L	72	0.94	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	96.2	90.7	ug/L	94		SW846 8040A
	ND	95.1	90.4	ug/L	95	0.32	SW846 8040A
2,4,5-Trichlorophenol	ND	96.2	81.3	ug/L	85		SW846 8040A
	ND	95.1	80.4	ug/L	85	1.1	SW846 8040A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL672 **Work Order #...:** JPCPR1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: F7B130161-006 JPCPR1AL-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**96.2**	**83.1**	**ug/L**	**86**		**SW846 8040A**
	ND	**95.1**	**83.7**	**ug/L**	**88**	**0.63**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	79	(55 - 118)
	77	(55 - 118)
2-Fluorophenol	69	(40 - 98)
	67	(40 - 98)

NOTE(S):

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

Bold print denotes control parameters

METALS

Pacific Northwest National Laboratory

Client Sample ID: B1M978

DISSOLVED Metals

Lot-Sample #...: F7B100185-017 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**58.7 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**55200**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**19100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**12.6 B**	**40.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5350**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M978

DISSOLVED Metals

Lot-Sample #...: F7B100185-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**26100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**230**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**20.7**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GV1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GV1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M963

DISSOLVED Metals

Lot-Sample #...: F7B100185-018 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**57.9 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**60100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**20500**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6430**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M963

DISSOLVED Metals

Lot-Sample #...: F7B100185-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**23000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**246**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**20.9**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9GW1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GW1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M8T0

DISSOLVED Metals

Lot-Sample #...: F7B100185-019 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M8T0

DISSOLVED Metals

Lot-Sample #...: F7B100185-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9GX1AV
		Dilution Factor: 1		MDL.....: 9.6		

Pacific Northwest National Laboratory

Client Sample ID: B1M8R6

DISSOLVED Metals

Lot-Sample #...: F7B100185-020 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**252**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**335000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**507**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**89.8 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**117000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**18.9**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**14000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M8R6

DISSOLVED Metals

Lot-Sample #...: F7B100185-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**515000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**2040**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**33.5**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G01AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G01AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M8V0

DISSOLVED Metals

Lot-Sample #...: F7B100185-021 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**53.5 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**49900**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**21.7**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**59.8 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**18400**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**23.1**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**10.7 B**	**40.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6460**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M8V0

DISSOLVED Metals

Lot-Sample #...: F7B100185-021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**81700**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**279**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**16.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G11AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G11AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M8T5

DISSOLVED Metals

Lot-Sample #...: F7B100185-022 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**24.8 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**19800**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**45.6**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	**2.9 B**	**25.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AJ**
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**30.7 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**6210**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**2.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5030**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G21AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M8T5

DISSOLVED Metals

Lot-Sample #...: F7B100185-022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**137000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**109**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**48.8**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**16.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G21AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M908

DISSOLVED Metals

Lot-Sample #...: F7B100185-023 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**191 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**101000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**74.4**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**37.9 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**34800**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**300**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**10300**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M908

DISSOLVED Metals

Lot-Sample #...: F7B100185-023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**162000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**494**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**6.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G31AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G31AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M904

DISSOLVED Metals

Lot-Sample #...: F7B100185-024 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**195 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**103000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**75.5**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**37.3 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**35500**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**305**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**10600**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M904

DISSOLVED Metals

Lot-Sample #...: F7B100185-024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**163000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**504**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**7.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G41AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G41AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M983

DISSOLVED Metals

Lot-Sample #...: F7B100185-025 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**26.9 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**25000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**47.0 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**7970**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4460 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G51AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M983

DISSOLVED Metals

Lot-Sample #...: F7B100185-025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19700**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**100**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.0**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**13.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G51AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M8Y9

DISSOLVED Metals

Lot-Sample #...: F7B100185-026 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**86.3 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**74400**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**10.2**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**117**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**26100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5390**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G61AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M8Y9

DISSOLVED Metals

Lot-Sample #...: F7B100185-026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**51300**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**371**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**30.0**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G61AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/07/07	JN9G61AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M953

DISSOLVED Metals

Lot-Sample #...: F7B100185-027 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**58.4 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**52600**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**6.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**384**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**5.0 B**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4920 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JN9G71AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M953

DISSOLVED Metals

Lot-Sample #...: F7B100185-027 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**35400**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**213**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**23.2**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JN9G71AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**30.2**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/07/07**	**JN9G71AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LT39

DISSOLVED Metals

Lot-Sample #...: F7B130161-005 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7047040						
Mercury	ND	0.20	ug/L	SW846 7470A	02/21/07	JPCPJ1AC
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7053287						
Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AD
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**58.0 B**	**200**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AE**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AF
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AG
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**56500**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AH**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**14.3**	**10.0**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AJ**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AK
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AL
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**41.6 B**	**100**	**ug/L**	**SW846 6010B**	**02/22-03/01/07**	**JPCPJ1AM**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16600**	**5000**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AN**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AP
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AQ
		Dilution Factor: 1		MDL.....: 7.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LT39

DISSOLVED Metals

Lot-Sample #...: F7B130161-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**6290**	**5000**	**ug/L**	**SW846 6010B**	**02/22-03/01/07**	**JPCPJ1AR**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AT
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**25100**	**5000**	**ug/L**	**SW846 6010B**	**02/22-03/01/07**	**JPCPJ1AU**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**234**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AV**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**27.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/22-02/26/07**	**JPCPJ1AW**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/26/07	JPCPJ1AX
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7053298						
Lead	ND	3.0	ug/L	SW846 6020	02/22-03/06/07	JPCPJ1AA
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LP68

DISSOLVED Metals

Lot-Sample #...: F7B130163-001 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7045126						
Antimony	ND	60.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**11.8 B**	**200**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**12500**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**59.7 B**	**100**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**2730 B**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3470 B**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LP68

DISSOLVED Metals

Lot-Sample #...: F7B130163-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**16700**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**74.9**	**50.0**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**15.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQE1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQE1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LP72

DISSOLVED Metals

Lot-Sample #...: F7B130163-004 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7045126						
Antimony	ND	60.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**319 B**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	**5.5 B**	**25.0**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AJ**
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**151 B**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LP72

DISSOLVED Metals

Lot-Sample #...: F7B130163-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**340 B**	**5000**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**1.5 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPCQP1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**10.8 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/14-02/22/07**	**JPCQP1AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M7F6

DISSOLVED Metals

Lot-Sample #...: F7B130183-003 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7053298						
Arsenic	**5.3 B**	**10.0**	**ug/L**	**SW846 6020**	**02/22-03/06/07**	**JPCW81AC**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1M9C8

DISSOLVED Metals

Lot-Sample #...: F7B220180-003 **Matrix.....:** WATER
Date Sampled...: 02/21/07 **Date Received..:** 02/22/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**41.7 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**38000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12500**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4630 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JPVXX1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1M9C8

DISSOLVED Metals

Lot-Sample #...: F7B220180-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**19200**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**150**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**24.3**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JPVXX1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/07/07	JPVXX1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LPH7

DISSOLVED Metals

Lot-Sample #...: F7B240139-002 **Matrix.....:** WATER
Date Sampled...: 02/23/07 **Date Received..:** 02/24/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**24.0 B**	**200**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**37400**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**25.4 B**	**100**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**12100**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**8.0 B**	**15.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**3270 B**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP26D1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LPH7

DISSOLVED Metals

Lot-Sample #...: F7B240139-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**12000**	**5000**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**168**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**19.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**02/27-03/06/07**	**JP26D1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**12.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**02/27-03/07/07**	**JP26D1AV**
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7B140000-126 **Prep Batch #...:** 7045126						
Antimony	ND	60.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31AW
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CH
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/14-02/22/07	JPED31AX
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/14-02/22/07	JPED31CJ
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A0
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CK
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A1
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CL
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31A2
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31CM
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A3
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CN
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A4
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CP
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A5
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CQ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/14-02/22/07	JPED31A6
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/14-02/22/07	JPED31CR
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31A7
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31CT
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A8
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CU
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31A9
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CV
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31CA
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31CW
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CC
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CX
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31CD
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/14-02/22/07	JPED31C0
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CE
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31C1
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CF
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31C2
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31CG
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/14-02/22/07	JPED31C3
		Dilution Factor: 1				

MB Lot-Sample #: F7B160000-040 **Prep Batch #...:** 7047040

Mercury	ND	0.20	ug/L	SW846 7470A	02/21/07	JPR4T1AA
		Dilution Factor: 1				

MB Lot-Sample #: F7B220000-287 **Prep Batch #...:** 7053287

Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AA
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AW
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AC
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AX
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AD
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A0
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AE
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A1
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium	ND	5000	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AF
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AG
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A3
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AH
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A4
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AJ
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A5
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1AK
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1A6
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AL
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A7
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AM
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AN
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1A9
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5000	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1AP
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1CA
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AQ
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1CC
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1AR
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/22-03/01/07	JPV4N1CD
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AT
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1CE
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AU
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1CF
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1AV
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/22-02/26/07	JPV4N1CG
		Dilution Factor: 1				

MB Lot-Sample #: F7B220000-298 **Prep Batch #...:** 7053298

Arsenic	ND	10.0	ug/L	SW846 6020	02/22-03/06/07	JPV641AC
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7B270000-252 **Prep Batch #...:** 7058252						
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AA
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AW
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AC
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AX
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AD
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A0
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AE
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A1
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AF
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A2
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AG
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A3
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AH
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A4
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AJ
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A5
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AK
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A6
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AL
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A7
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AM
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A8
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AN
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1A9
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AP
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CA
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AQ
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CC
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AR
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CD
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AT
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CE
		Dilution Factor: 1				
Vanadium	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AU
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CF
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1AV
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	02/27-03/06/07	JP54Q1CG
		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 #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7B140000-126 **Prep Batch #...:** 7045126							
Antimony	500	484	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31DP
			Dilution Factor: 1				
Antimony	500	484	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31EA
			Dilution Factor: 1				
Barium	500	475	ug/L	95	SW846 6010B	02/14-02/22/07	JPED31DQ
			Dilution Factor: 1				
Barium	500	475	ug/L	95	SW846 6010B	02/14-02/22/07	JPED31EC
			Dilution Factor: 1				
Beryllium	500	507	ug/L	101	SW846 6010B	02/14-02/22/07	JPED31DR
			Dilution Factor: 1				
Beryllium	500	507	ug/L	101	SW846 6010B	02/14-02/22/07	JPED31ED
			Dilution Factor: 1				
Cadmium	500	491	ug/L	98	SW846 6010B	02/14-02/22/07	JPED31DT
			Dilution Factor: 1				
Cadmium	500	491	ug/L	98	SW846 6010B	02/14-02/22/07	JPED31EE
			Dilution Factor: 1				
Calcium	10000	9920	ug/L	99	SW846 6010B	02/14-02/22/07	JPED31DU
			Dilution Factor: 1				
Calcium	10000	9920	ug/L	99	SW846 6010B	02/14-02/22/07	JPED31EF
			Dilution Factor: 1				
Chromium	500	485	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31DV
			Dilution Factor: 1				
Chromium	500	485	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31EG
			Dilution Factor: 1				
Cobalt	500	478	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31DW
			Dilution Factor: 1				
Cobalt	500	478	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31EH
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	500	467	ug/L	93	SW846 6010B	02/14-02/22/07	JPED31DX
			Dilution Factor: 1				
Copper	500	467	ug/L	93	SW846 6010B	02/14-02/22/07	JPED31EJ
			Dilution Factor: 1				
Iron	500	533	ug/L	107	SW846 6010B	02/14-02/22/07	JPED31D0
			Dilution Factor: 1				
Iron	500	533	ug/L	107	SW846 6010B	02/14-02/22/07	JPED31EK
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	02/14-02/22/07	JPED31D1
			Dilution Factor: 1				
Magnesium	10000	10100	ug/L	101	SW846 6010B	02/14-02/22/07	JPED31EL
			Dilution Factor: 1				
Manganese	500	487	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31D2
			Dilution Factor: 1				
Manganese	500	487	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31EM
			Dilution Factor: 1				
Nickel	500	478	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31D3
			Dilution Factor: 1				
Nickel	500	478	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31EN
			Dilution Factor: 1				
Potassium	10000	9650	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31D4
			Dilution Factor: 1				
Potassium	10000	9650	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31EP
			Dilution Factor: 1				
Silver	125	120	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31D5
			Dilution Factor: 1				
Silver	125	120	ug/L	96	SW846 6010B	02/14-02/22/07	JPED31EQ
			Dilution Factor: 1				
Sodium	10000	10200	ug/L	102	SW846 6010B	02/14-02/22/07	JPED31D6
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10200	ug/L	102	SW846 6010B	02/14-02/22/07	JPED31ER
			Dilution Factor: 1				
Strontium	500	491	ug/L	98	SW846 6010B	02/14-02/22/07	JPED31D7
			Dilution Factor: 1				
Strontium	500	491	ug/L	98	SW846 6010B	02/14-02/22/07	JPED31ET
			Dilution Factor: 1				
Vanadium	500	484	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31D8
			Dilution Factor: 1				
Vanadium	500	484	ug/L	97	SW846 6010B	02/14-02/22/07	JPED31EU
			Dilution Factor: 1				
Zinc	500	456	ug/L	91	SW846 6010B	02/14-02/22/07	JPED31D9
			Dilution Factor: 1				
Zinc	500	456	ug/L	91	SW846 6010B	02/14-02/22/07	JPED31EV
			Dilution Factor: 1				
LCS Lot-Sample#: F7B160000-040 **Prep Batch #...:** 7047040							
Mercury	1.00	0.930	ug/L	93	SW846 7470A	02/21/07	JPR4T1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7B220000-287 **Prep Batch #...:** 7053287							
Antimony	500	488	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1CH
			Dilution Factor: 1				
Antimony	500	488	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1C4
			Dilution Factor: 1				
Barium	500	478	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1CJ
			Dilution Factor: 1				
Barium	500	478	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1C5
			Dilution Factor: 1				
Beryllium	500	516	ug/L	103	SW846 6010B	02/22-02/26/07	JPV4N1CK
			Dilution Factor: 1				
Beryllium	500	516	ug/L	103	SW846 6010B	02/22-02/26/07	JPV4N1C6
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	500	496	ug/L	99	SW846 6010B	02/22-02/26/07	JPV4N1CL
			Dilution Factor: 1				
Cadmium	500	496	ug/L	99	SW846 6010B	02/22-02/26/07	JPV4N1C7
			Dilution Factor: 1				
Calcium	10000	9800	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1CM
			Dilution Factor: 1				
Calcium	10000	9800	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1C8
			Dilution Factor: 1				
Chromium	500	489	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1CN
			Dilution Factor: 1				
Chromium	500	489	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1C9
			Dilution Factor: 1				
Cobalt	500	486	ug/L	97	SW846 6010B	02/22-02/26/07	JPV4N1CP
			Dilution Factor: 1				
Cobalt	500	486	ug/L	97	SW846 6010B	02/22-02/26/07	JPV4N1DA
			Dilution Factor: 1				
Copper	500	471	ug/L	94	SW846 6010B	02/22-02/26/07	JPV4N1CQ
			Dilution Factor: 1				
Copper	500	471	ug/L	94	SW846 6010B	02/22-02/26/07	JPV4N1DC
			Dilution Factor: 1				
Iron	500	518	ug/L	104	SW846 6010B	02/22-03/01/07	JPV4N1CR
			Dilution Factor: 1				
Iron	500	518	ug/L	104	SW846 6010B	02/22-03/01/07	JPV4N1DD
			Dilution Factor: 1				
Magnesium	10000	9920	ug/L	99	SW846 6010B	02/22-02/26/07	JPV4N1CT
			Dilution Factor: 1				
Magnesium	10000	9920	ug/L	99	SW846 6010B	02/22-02/26/07	JPV4N1DE
			Dilution Factor: 1				
Manganese	500	492	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1CU
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	500	492	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1DF
			Dilution Factor: 1				
Nickel	500	480	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1CV
			Dilution Factor: 1				
Nickel	500	480	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1DG
			Dilution Factor: 1				
Potassium	10000	11000	ug/L	110	SW846 6010B	02/22-03/01/07	JPV4N1CW
			Dilution Factor: 1				
Potassium	10000	11000	ug/L	110	SW846 6010B	02/22-03/01/07	JPV4N1DH
			Dilution Factor: 1				
Silver	125	123	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1CX
			Dilution Factor: 1				
Silver	125	123	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1DJ
			Dilution Factor: 1				
Sodium	10000	10100	ug/L	101	SW846 6010B	02/22-03/01/07	JPV4N1C0
			Dilution Factor: 1				
Sodium	10000	10100	ug/L	101	SW846 6010B	02/22-03/01/07	JPV4N1DK
			Dilution Factor: 1				
Strontium	500	480	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1C1
			Dilution Factor: 1				
Strontium	500	480	ug/L	96	SW846 6010B	02/22-02/26/07	JPV4N1DL
			Dilution Factor: 1				
Vanadium	500	490	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1C2
			Dilution Factor: 1				
Vanadium	500	490	ug/L	98	SW846 6010B	02/22-02/26/07	JPV4N1DM
			Dilution Factor: 1				
Zinc	500	454	ug/L	91	SW846 6010B	02/22-02/26/07	JPV4N1C3
			Dilution Factor: 1				
Zinc	500	454	ug/L	91	SW846 6010B	02/22-02/26/07	JPV4N1DN
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7B220000-298 **Prep Batch #...:** 7053298							
Arsenic	500	499	ug/L	100	SW846 6020	02/22-03/06/07	JPV641AE
			Dilution Factor: 1				
LCS Lot-Sample#: F7B270000-252 **Prep Batch #...:** 7058252							
Antimony	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1C4
			Dilution Factor: 1				
Antimony	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DP
			Dilution Factor: 1				
Barium	500	491	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1C5
			Dilution Factor: 1				
Barium	500	491	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DQ
			Dilution Factor: 1				
Beryllium	500	519	ug/L	104	SW846 6010B	02/27-03/06/07	JP54Q1C6
			Dilution Factor: 1				
Beryllium	500	519	ug/L	104	SW846 6010B	02/27-03/06/07	JP54Q1DR
			Dilution Factor: 1				
Cadmium	500	500	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1C7
			Dilution Factor: 1				
Cadmium	500	500	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1DT
			Dilution Factor: 1				
Calcium	10000	10300	ug/L	103	SW846 6010B	02/27-03/06/07	JP54Q1C8
			Dilution Factor: 1				
Calcium	10000	10300	ug/L	103	SW846 6010B	02/27-03/06/07	JP54Q1DU
			Dilution Factor: 1				
Chromium	500	494	ug/L	99	SW846 6010B	02/27-03/06/07	JP54Q1C9
			Dilution Factor: 1				
Chromium	500	494	ug/L	99	SW846 6010B	02/27-03/06/07	JP54Q1DV
			Dilution Factor: 1				
Cobalt	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DA
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DW
			Dilution Factor: 1				
Copper	500	481	ug/L	96	SW846 6010B	02/27-03/06/07	JP54Q1DC
			Dilution Factor: 1				
Copper	500	481	ug/L	96	SW846 6010B	02/27-03/06/07	JP54Q1DX
			Dilution Factor: 1				
Iron	500	526	ug/L	105	SW846 6010B	02/27-03/06/07	JP54Q1DD
			Dilution Factor: 1				
Iron	500	526	ug/L	105	SW846 6010B	02/27-03/06/07	JP54Q1D0
			Dilution Factor: 1				
Magnesium	10000	10200	ug/L	102	SW846 6010B	02/27-03/06/07	JP54Q1DE
			Dilution Factor: 1				
Magnesium	10000	10200	ug/L	102	SW846 6010B	02/27-03/06/07	JP54Q1D1
			Dilution Factor: 1				
Manganese	500	498	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1DF
			Dilution Factor: 1				
Manganese	500	498	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1D2
			Dilution Factor: 1				
Nickel	500	487	ug/L	97	SW846 6010B	02/27-03/06/07	JP54Q1DG
			Dilution Factor: 1				
Nickel	500	487	ug/L	97	SW846 6010B	02/27-03/06/07	JP54Q1D3
			Dilution Factor: 1				
Potassium	10000	9970	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1DH
			Dilution Factor: 1				
Potassium	10000	9970	ug/L	100	SW846 6010B	02/27-03/06/07	JP54Q1D4
			Dilution Factor: 1				
Silver	125	123	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DJ
			Dilution Factor: 1				
Silver	125	123	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1D5
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	10000	10300	ug/L	103	SW846 6010B	02/27-03/06/07	JP54Q1DK
			Dilution Factor: 1				
Sodium	10000	10300	ug/L	103	SW846 6010B	02/27-03/06/07	JP54Q1D6
			Dilution Factor: 1				
Strontium	500	503	ug/L	101	SW846 6010B	02/27-03/06/07	JP54Q1DL
			Dilution Factor: 1				
Strontium	500	503	ug/L	101	SW846 6010B	02/27-03/06/07	JP54Q1D7
			Dilution Factor: 1				
Vanadium	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1DM
			Dilution Factor: 1				
Vanadium	500	490	ug/L	98	SW846 6010B	02/27-03/06/07	JP54Q1D8
			Dilution Factor: 1				
Zinc	500	468	ug/L	94	SW846 6010B	02/27-03/06/07	JP54Q1DN
			Dilution Factor: 1				
Zinc	500	468	ug/L	94	SW846 6010B	02/27-03/06/07	JP54Q1D9
			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 #...: SL672 **Matrix.....:** WATER
Date Sampled...: 01/31/07 **Date Received..:** 02/02/07

MS Lot-Sample #: F7B020177-003 **Prep Batch #...:** 7045126

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	242	ug/L	97		SW846 6010B	02/14-02/22/07	JNTQC1AW
	ND	250	234	ug/L	94	3.4	SW846 6010B	02/14-02/22/07	JNTQC1AX
			Dilution Factor: 1						
Barium									
	46.3	1000	977	ug/L	93		SW846 6010B	02/14-02/22/07	JNTQC1A0
	46.3	1000	982	ug/L	94	0.41	SW846 6010B	02/14-02/22/07	JNTQC1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	24.8	ug/L	99		SW846 6010B	02/14-02/22/07	JNTQC1A2
	ND	25.0	24.8	ug/L	99	0.08	SW846 6010B	02/14-02/22/07	JNTQC1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	23.6	ug/L	94		SW846 6010B	02/14-02/22/07	JNTQC1A4
	ND	25.0	23.4	ug/L	94	0.80	SW846 6010B	02/14-02/22/07	JNTQC1A5
			Dilution Factor: 1						
Calcium									
	52800	25000	76200	ug/L	93		SW846 6010B	02/14-02/22/07	JNTQC1A6
	52800	25000	77000	ug/L	97	1.1	SW846 6010B	02/14-02/22/07	JNTQC1A7
			Dilution Factor: 1						
Chromium									
	3.7	100	98.1	ug/L	94		SW846 6010B	02/14-02/22/07	JNTQC1A8
	3.7	100	98.4	ug/L	95	0.29	SW846 6010B	02/14-02/22/07	JNTQC1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	228	ug/L	91		SW846 6010B	02/14-02/22/07	JNTQC1CA
	ND	250	229	ug/L	91	0.04	SW846 6010B	02/14-02/22/07	JNTQC1CC
			Dilution Factor: 1						
Copper									
	ND	125	115	ug/L	92		SW846 6010B	02/14-02/22/07	JNTQC1CD
	ND	125	116	ug/L	93	0.97	SW846 6010B	02/14-02/22/07	JNTQC1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 01/31/07 **Date Received..:** 02/02/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	533	ug/L	107		SW846 6010B	02/14-02/22/07	JNTQC1CF
	ND	500	543	ug/L	109	1.8	SW846 6010B	02/14-02/22/07	JNTQC1CG
			Dilution Factor: 1						
Magnesium									
	13800	25000	37500	ug/L	95		SW846 6010B	02/14-02/22/07	JNTQC1CH
	13800	25000	37600	ug/L	95	0.41	SW846 6010B	02/14-02/22/07	JNTQC1CJ
			Dilution Factor: 1						
Manganese									
	3.0	250	238	ug/L	94		SW846 6010B	02/14-02/22/07	JNTQC1CK
	3.0	250	236	ug/L	93	0.95	SW846 6010B	02/14-02/22/07	JNTQC1CL
			Dilution Factor: 1						
Nickel									
	ND	250	227	ug/L	91		SW846 6010B	02/14-02/22/07	JNTQC1CM
	ND	250	227	ug/L	91	0.17	SW846 6010B	02/14-02/22/07	JNTQC1CN
			Dilution Factor: 1						
Potassium									
	7130	25000	31200	ug/L	96		SW846 6010B	02/14-02/22/07	JNTQC1CP
	7130	25000	32100	ug/L	100	2.9	SW846 6010B	02/14-02/22/07	JNTQC1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	23.4	ug/L	94		SW846 6010B	02/14-02/22/07	JNTQC1CR
	ND	25.0	24.2	ug/L	97	3.6	SW846 6010B	02/14-02/22/07	JNTQC1CT
			Dilution Factor: 1						
Sodium									
	25600	25000	50700	ug/L	100		SW846 6010B	02/14-02/22/07	JNTQC1CU
	25600	25000	51800	ug/L	105	2.2	SW846 6010B	02/14-02/22/07	JNTQC1CV
			Dilution Factor: 1						
Strontium									
	265	500	747	ug/L	96		SW846 6010B	02/14-02/22/07	JNTQC1CW
	265	500	759	ug/L	99	1.6	SW846 6010B	02/14-02/22/07	JNTQC1CX
			Dilution Factor: 1						
Vanadium									
	12.2	250	245	ug/L	93		SW846 6010B	02/14-02/22/07	JNTQC1C0
	12.2	250	246	ug/L	94	0.45	SW846 6010B	02/14-02/22/07	JNTQC1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 01/31/07 **Date Received..:** 02/02/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	85.9	250	307	ug/L	88		SW846 6010B	02/14-02/22/07	JNTQC1C2
	85.9	250	305	ug/L	88	0.67	SW846 6010B	02/14-02/22/07	JNTQC1C3

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 #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/05/07 **Date Received..:** 02/06/07

MS Lot-Sample #: F7B060216-001 **Prep Batch #...:** 7053287

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	245	ug/L	98		SW846 6010B	02/22-02/26/07	JN07P1AX
	ND	250	248	ug/L	99	1.2	SW846 6010B	02/22-02/26/07	JN07P1A0
			Dilution Factor: 1						
Barium									
	153	1000	1130	ug/L	98		SW846 6010B	02/22-02/26/07	JN07P1A1
	153	1000	1130	ug/L	98	0.03	SW846 6010B	02/22-02/26/07	JN07P1A2
			Dilution Factor: 1						
Beryllium									
	ND	25.0	25.7	ug/L	103		SW846 6010B	02/22-02/26/07	JN07P1A3
	ND	25.0	25.5	ug/L	102	0.66	SW846 6010B	02/22-02/26/07	JN07P1A4
			Dilution Factor: 1						
Cadmium									
	ND	25.0	23.8	ug/L	95		SW846 6010B	02/22-02/26/07	JN07P1A5
	ND	25.0	23.5	ug/L	94	1.1	SW846 6010B	02/22-02/26/07	JN07P1A6
			Dilution Factor: 1						
Calcium									
	119000	25000	141000	ug/L	88		SW846 6010B	02/22-02/26/07	JN07P1A7
	119000	25000	143000	ug/L	99	2.0	SW846 6010B	02/22-02/26/07	JN07P1A8
			Dilution Factor: 1						
Chromium									
	ND	100	101	ug/L	101		SW846 6010B	02/22-02/26/07	JN07P1A9
	ND	100	101	ug/L	101	0.26	SW846 6010B	02/22-02/26/07	JN07P1CA
			Dilution Factor: 1						
Cobalt									
	ND	250	239	ug/L	95		SW846 6010B	02/22-02/26/07	JN07P1CC
	ND	250	237	ug/L	95	0.50	SW846 6010B	02/22-02/26/07	JN07P1CD
			Dilution Factor: 1						
Copper									
	ND	125	123	ug/L	99		SW846 6010B	02/22-02/26/07	JN07P1CE
	ND	125	123	ug/L	99	0.21	SW846 6010B	02/22-02/26/07	JN07P1CF
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/05/07 **Date Received..:** 02/06/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	39.0	500	554	ug/L	103		SW846 6010B	02/22-03/01/07	JN07P1CG
	39.0	500	539	ug/L	100	2.7	SW846 6010B	02/22-03/01/07	JN07P1CH
			Dilution Factor: 1						
Magnesium									
	26100	25000	49900	ug/L	95		SW846 6010B	02/22-02/26/07	JN07P1CJ
	26100	25000	50400	ug/L	97	0.96	SW846 6010B	02/22-02/26/07	JN07P1CK
			Dilution Factor: 1						
Manganese									
	ND	250	243	ug/L	97		SW846 6010B	02/22-02/26/07	JN07P1CL
	ND	250	242	ug/L	97	0.49	SW846 6010B	02/22-02/26/07	JN07P1CM
			Dilution Factor: 1						
Nickel									
	ND	250	236	ug/L	95		SW846 6010B	02/22-02/26/07	JN07P1CN
	ND	250	235	ug/L	94	0.55	SW846 6010B	02/22-02/26/07	JN07P1CP
			Dilution Factor: 1						
Potassium									
	10700	25000	36500	ug/L	103		SW846 6010B	02/22-03/01/07	JN07P1CQ
	10700	25000	35400	ug/L	99	3.1	SW846 6010B	02/22-03/01/07	JN07P1CR
			Dilution Factor: 1						
Silver									
	ND	25.0	26.2	ug/L	105		SW846 6010B	02/22-02/26/07	JN07P1CT
	ND	25.0	25.9	ug/L	104	0.99	SW846 6010B	02/22-02/26/07	JN07P1CU
			Dilution Factor: 1						
Sodium									
	24700	25000	49600	ug/L	100		SW846 6010B	02/22-03/01/07	JN07P1CV
	24700	25000	49000	ug/L	97	1.0	SW846 6010B	02/22-03/01/07	JN07P1CW
			Dilution Factor: 1						
Strontium									
	577	500	1060	ug/L	97		SW846 6010B	02/22-02/26/07	JN07P1CX
	577	500	1080	ug/L	100	1.4	SW846 6010B	02/22-02/26/07	JN07P1C0
			Dilution Factor: 1						
Vanadium									
	9.1	250	255	ug/L	98		SW846 6010B	02/22-02/26/07	JN07P1C1
	9.1	250	252	ug/L	97	1.2	SW846 6010B	02/22-02/26/07	JN07P1C2
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/05/07 **Date Received..:** 02/06/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	227	ug/L	91		SW846 6010B	02/22-02/26/07	JN07P1C3
	ND	250	226	ug/L	90	0.60	SW846 6010B	02/22-02/26/07	JN07P1C4

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 #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

MS Lot-Sample #: F7B100185-017 **Prep Batch #...:** 7058252

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	243	ug/L	97		SW846 6010B	02/27-03/06/07	JN9GV1AW
	ND	250	241	ug/L	96	0.96	SW846 6010B	02/27-03/06/07	JN9GV1AX
			Dilution Factor: 1						
Barium									
	58.7	1000	1040	ug/L	98		SW846 6010B	02/27-03/06/07	JN9GV1A0
	58.7	1000	1010	ug/L	95	2.3	SW846 6010B	02/27-03/06/07	JN9GV1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	26.3	ug/L	105		SW846 6010B	02/27-03/06/07	JN9GV1A2
	ND	25.0	25.8	ug/L	103	1.9	SW846 6010B	02/27-03/06/07	JN9GV1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	24.7	ug/L	99		SW846 6010B	02/27-03/06/07	JN9GV1A4
	ND	25.0	24.0	ug/L	96	2.6	SW846 6010B	02/27-03/06/07	JN9GV1A5
			Dilution Factor: 1						
Calcium									
	55200	25000	80000	ug/L	99		SW846 6010B	02/27-03/06/07	JN9GV1A6
	55200	25000	77800	ug/L	90	2.7	SW846 6010B	02/27-03/06/07	JN9GV1A7
			Dilution Factor: 1						
Chromium									
	4.0	100	102	ug/L	98		SW846 6010B	02/27-03/06/07	JN9GV1A8
	4.0	100	98.5	ug/L	94	3.4	SW846 6010B	02/27-03/06/07	JN9GV1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	236	ug/L	94		SW846 6010B	02/27-03/06/07	JN9GV1CA
	ND	250	231	ug/L	92	2.1	SW846 6010B	02/27-03/06/07	JN9GV1CC
			Dilution Factor: 1						
Copper									
	ND	125	122	ug/L	98		SW846 6010B	02/27-03/06/07	JN9GV1CD
	ND	125	118	ug/L	95	2.9	SW846 6010B	02/27-03/06/07	JN9GV1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	563	ug/L	113		SW846 6010B	02/27-03/06/07	JN9GV1CF
	ND	500	558	ug/L	112	0.74	SW846 6010B	02/27-03/06/07	JN9GV1CG
			Dilution Factor: 1						
Magnesium									
	19100	25000	43700	ug/L	98		SW846 6010B	02/27-03/06/07	JN9GV1CH
	19100	25000	42500	ug/L	94	2.7	SW846 6010B	02/27-03/06/07	JN9GV1CJ
			Dilution Factor: 1						
Manganese									
	ND	250	242	ug/L	97		SW846 6010B	02/27-03/06/07	JN9GV1CK
	ND	250	237	ug/L	95	2.4	SW846 6010B	02/27-03/06/07	JN9GV1CL
			Dilution Factor: 1						
Nickel									
	12.6	250	247	ug/L	94		SW846 6010B	02/27-03/06/07	JN9GV1CM
	12.6	250	241	ug/L	91	2.5	SW846 6010B	02/27-03/06/07	JN9GV1CN
			Dilution Factor: 1						
Potassium									
	5350	25000	32500	ug/L	108		SW846 6010B	02/27-03/06/07	JN9GV1CP
	5350	25000	32200	ug/L	107	0.93	SW846 6010B	02/27-03/06/07	JN9GV1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	25.1	ug/L	100		SW846 6010B	02/27-03/06/07	JN9GV1CR
	ND	25.0	24.8	ug/L	99	1.2	SW846 6010B	02/27-03/06/07	JN9GV1CT
			Dilution Factor: 1						
Sodium									
	26100	25000	51700	ug/L	103		SW846 6010B	02/27-03/06/07	JN9GV1CU
	26100	25000	51800	ug/L	103	0.10	SW846 6010B	02/27-03/06/07	JN9GV1CV
			Dilution Factor: 1						
Strontium									
	230	500	735	ug/L	101		SW846 6010B	02/27-03/06/07	JN9GV1CW
	230	500	719	ug/L	98	2.3	SW846 6010B	02/27-03/06/07	JN9GV1CX
			Dilution Factor: 1						
Vanadium									
	20.7	250	263	ug/L	97		SW846 6010B	02/27-03/06/07	JN9GV1C0
	20.7	250	259	ug/L	95	1.4	SW846 6010B	02/27-03/06/07	JN9GV1C1
			Dilution Factor: 1						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	232	ug/L	93		SW846 6010B	02/27-03/06/07	JN9GV1C2
	ND	250	226	ug/L	91	2.4	SW846 6010B	02/27-03/06/07	JN9GV1C3

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 #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7B130161-005 **Prep Batch #...:** 7047040									
Mercury									
	ND	1.00	0.926	ug/L	93		SW846 7470A	02/21/07	JPCPJ1A2
	ND	1.00	0.968	ug/L	97	4.4	SW846 7470A	02/21/07	JPCPJ1A3
			Dilution Factor: 1						
MS Lot-Sample #: F7B130161-005 **Prep Batch #...:** 7053298									
Lead									
	ND	250	245	ug/L	98		SW846 6020	02/22-03/06/07	JPCPJ1A0
	ND	250	245	ug/L	98	0.18	SW846 6020	02/22-03/06/07	JPCPJ1A1
			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: B1M8R0

General Chemistry

Lot-Sample #...: F7B100185-001 Work Order #...: JN9F7 Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	46.8 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	1.4 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	1.9 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	470 D	20.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 1000		MDL.....: 4.0		
Sulfate	52.1 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M979

General Chemistry

Lot-Sample #...: F7B100185-002 Work Order #...: JN9F9 Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	65.4 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.51 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	2.9 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	16.5 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 20		MDL.....: 0.080		
Sulfate	32.8 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M964

General Chemistry

Lot-Sample #...: F7B100185-003 Work Order #...: JN9GA Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	51.4 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.49 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	2.2 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	28.2 D	1.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 50		MDL.....: 0.20		
Sulfate	32.5 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M8T1

General Chemistry

Lot-Sample #...: F7B100185-004 **Work Order #...:** JN9GC **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	0.20	mg/L	MCAWW 300.0A	02/10/07	7043178
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	ND	0.020	mg/L	MCAWW 300.0A	02/10/07	7043181
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrate	ND	0.020	mg/L	MCAWW 300.0A	02/10/07	7043182
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	02/10/07	7043180
		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: B1M8R7

General Chemistry

Lot-Sample #...: F7B100185-005 Work Order #...: JN9GD Matrix.....: WATER
Date Sampled...: 02/08/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	52.8 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	2.4 DN	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043179
		Dilution Factor: 20		MDL.....: 0.40		
Nitrite	1.9 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	454 D	100	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 5000		MDL.....: 20.0		
Sulfate	90.6 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1M8V1

General Chemistry

Lot-Sample #...: F7B100185-006 Work Order #...: JN9GE Matrix.....: WATER
Date Sampled...: 02/08/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	62.1 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.49 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	2.8 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	21.4 D	1.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 50		MDL.....: 0.20		
Sulfate	98.4 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M8T6

General Chemistry

Lot-Sample #...: F7B100185-007 Work Order #...: JN9GG Matrix.....: WATER
Date Sampled...: 02/08/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	20.8 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	3.8 DN	1.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043179
		Dilution Factor: 10		MDL.....: 0.20		
Nitrite	0.74 D	0.20	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	45.4 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 100		MDL.....: 0.40		
Sulfate	64.9 D	5.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1M909

General Chemistry

Lot-Sample #...: F7B100185-008 Work Order #...: JN9GH Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	44.1 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.85 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	2.3 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	184 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 500		MDL.....: 2.0		
Sulfate	66.5 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M8P5

General Chemistry

Lot-Sample #...: F7B100185-009 Work Order #...: JN9GJ Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	22.8 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	2.2 DN	1.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043179
		Dilution Factor: 10		MDL.....: 0.20		
Nitrite	0.92 D	0.20	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	85.9 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 500		MDL.....: 2.0		
Sulfate	52.9 D	5.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1M8N0

General Chemistry

Lot-Sample #...: F7B100185-010 Work Order #...: JN9GK Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	19.8 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.32 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	1.3 D	0.20	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	31.4 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 100		MDL.....: 0.40		
Sulfate	39.7 D	5.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M905

General Chemistry

Lot-Sample #...: F7B100185-012 **Work Order #...:** JN9GM **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	40.3 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.58 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	1.6 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	182 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 500		MDL.....: 2.0		
Sulfate	66.4 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M896

General Chemistry

Lot-Sample #...: F7B100185-013 **Work Order #...:** JN9GP **Matrix.....:** WATER
Date Sampled...: 02/09/07 **Date Received..:** 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**20.1 D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**02/10-02/11/07**	**7043178**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.29 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**02/10/07**	**7043179**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	**0.96 D**	**0.20**	**mg/L**	**MCAWW 300.0A**	**02/10-02/11/07**	**7043181**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	**73.2 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**02/10-02/11/07**	**7043182**
		Dilution Factor: 500		MDL.....: 2.0		
Sulfate	**89.2 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**02/10-02/11/07**	**7043180**
		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: B1M984

General Chemistry

Lot-Sample #...: F7B100185-014 Work Order #...: JN9GQ Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	11.4 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.46 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	ND D	0.20	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	6.6 D	0.20	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	28.5 D	5.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M900

General Chemistry

Lot-Sample #...: F7B100185-015 Work Order #...: JN9GR Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	46.6 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	1.3 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	2.3 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	39.2 D	2.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 100		MDL.....: 0.40		
Sulfate	107 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1M954

General Chemistry

Lot-Sample #...: F7B100185-016 Work Order #...: JN9GT Matrix.....: WATER
Date Sampled...: 02/09/07 Date Received..: 02/10/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	42.6 D	4.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043178
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	1.3 N	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	3.4 D	0.40	mg/L	MCAWW 300.0A	02/10-02/11/07	7043181
		Dilution Factor: 20		MDL.....: 0.080		
Nitrate	25.6 D	1.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043182
		Dilution Factor: 50		MDL.....: 0.20		
Sulfate	40.9 D	10.0	mg/L	MCAWW 300.0A	02/10-02/11/07	7043180
		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: B1LT35

General Chemistry

Lot-Sample #...: F7B130161-001 Work Order #...: JPCNV Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.78 B	1.0	mg/L	SW846 9060	03/05/07	7064353
		Dilution Factor: 1		MDL.....: 0.76		
TOX	6.2	5.0	ug/L	SW846 9020B	03/09/07	7071272
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LT36

General Chemistry

Lot-Sample #...: F7B130161-002 **Work Order #...:** JPCN5 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/05/07	7064353
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**5.7**	**5.0**	**ug/L**	**SW846 9020B**	**03/09/07**	**7071272**
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LT37

General Chemistry

Lot-Sample #...: F7B130161-003 **Work Order #...:** JPCN8 **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/05/07	7064353
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	03/09/07	7071272
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LT38

General Chemistry

Lot-Sample #...: F7B130161-004 **Work Order #...:** JPCPD **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	03/05/07	7064353
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	03/09/07	7071272
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LT40

General Chemistry

Lot-Sample #...: F7B130161-006 Work Order #...: JPCPR Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	17.5 C,D	2.0	mg/L	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.44	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	33.0 DN	1.0	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 50		MDL.....: 0.20		
Nitrite	0.56 DN	0.20	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	33.4 D	5.0	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1LP69

General Chemistry

Lot-Sample #...: F7B130163-002 Work Order #...: JPCQH Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	8.7 C,D	2.0	mg/L	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.34	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	1.0 DN	0.20	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND D,N	0.20	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	9.9	0.50	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LP77

General Chemistry

Lot-Sample #...: F7B130163-003 Work Order #...: JPCQM Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	2.7 C	0.20	mg/L	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	0.45	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	0.089 N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	0.086 N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	1.5	0.50	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LP73

General Chemistry

Lot-Sample #...: F7B130163-005 **Work Order #...:** JPCQR **Matrix.....:** WATER
Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**0.14 B,C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**02/13/07**	**7050225**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LP78

General Chemistry

Lot-Sample #...: F7B130163-006 Work Order #...: JPCQW Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**0.057 B,C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**02/13/07**	**7050225**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1M7H9

General Chemistry

Lot-Sample #...: F7B130183-001 Work Order #...: JPCWQ Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	39.3 C,D	4.0	mg/L	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.69	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	272 DN	20.0	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1000		MDL.....: 4.0		
Nitrite	1.2 DN	0.40	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 20		MDL.....: 0.080		
Sulfate	184 D	10.0	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1M7J0

General Chemistry

Lot-Sample #...: F7B130183-002 Work Order #...: JPCW2 Matrix.....: WATER
Date Sampled...: 02/12/07 Date Received..: 02/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	39.4 C,D	4.0	mg/L	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	0.72	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	326 DN	10.0	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 500		MDL.....: 2.0		
Nitrite	1.1 DN	0.40	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 20		MDL.....: 0.080		
Sulfate	185 D	10.0	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 20		MDL.....: 1.0		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1M9C9

General Chemistry

Lot-Sample #...: F7B220180-004 Work Order #...: JPVX1 Matrix.....: WATER
Date Sampled...: 02/21/07 Date Received..: 02/22/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	34.7 D	2.0	mg/L	MCAWW 300.0A	02/22/07	7054458
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.48	0.10	mg/L	MCAWW 300.0A	02/22/07	7054459
		Dilution Factor: 1		MDL.....: 0.020		
Nitrite	1.0 DN	0.20	mg/L	MCAWW 300.0A	02/22/07	7054461
		Dilution Factor: 10		MDL.....: 0.040		
Nitrate	8.6 DN	0.20	mg/L	MCAWW 300.0A	02/22/07	7054462
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	29.1 DN	5.0	mg/L	MCAWW 300.0A	02/22/07	7054460
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

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

Pacific Northwest National Laboratory

Client Sample ID: B1LP49

General Chemistry

Lot-Sample #...: F7B240139-001 **Work Order #...:** JP254 **Matrix.....:** WATER
Date Sampled...: 02/23/07 **Date Received..:** 02/24/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**8.6 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**02/24/07**	**7058137**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.31**	**0.10**	**mg/L**	**MCAWW 300.0A**	**02/24/07**	**7058138**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND D,N	0.20	mg/L	MCAWW 300.0A	02/24/07	7058141
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND D,N	0.20	mg/L	MCAWW 300.0A	02/24/07	7058140
		Dilution Factor: 10		MDL.....: 0.040		
Sulfate	**18.8 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**02/24/07**	**7058139**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JPN3T1AA		MB Lot-Sample #:	F7B120000-178	
	ND	0.20	mg/L	MCAWW 300.0A	02/10/07	7043178
		Dilution Factor: 1				
Chloride		Work Order #: JPQXW1AA		MB Lot-Sample #:	F7B190000-225	
	0.060 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**02/13/07**	**7050225**
		Dilution Factor: 1				
Chloride		Work Order #: JQDDA1AA		MB Lot-Sample #:	F7B230000-458	
	ND	0.20	mg/L	MCAWW 300.0A	02/22/07	7054458
		Dilution Factor: 1				
Chloride		Work Order #: JQHLV1AA		MB Lot-Sample #:	F7B270000-137	
	ND	0.20	mg/L	MCAWW 300.0A	02/24/07	7058137
		Dilution Factor: 1				
Fluoride		Work Order #: JPN3V1AA		MB Lot-Sample #:	F7B120000-179	
	ND	0.10	mg/L	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1				
Fluoride		Work Order #: JPQ0K1AA		MB Lot-Sample #:	F7B190000-226	
	ND	0.10	mg/L	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1				
Fluoride		Work Order #: JQDDE1AA		MB Lot-Sample #:	F7B230000-459	
	ND	0.10	mg/L	MCAWW 300.0A	02/22/07	7054459
		Dilution Factor: 1				
Fluoride		Work Order #: JQHLW1AA		MB Lot-Sample #:	F7B270000-138	
	ND	0.10	mg/L	MCAWW 300.0A	02/24/07	7058138
		Dilution Factor: 1				
Nitrate		Work Order #: JPQ1M1AA		MB Lot-Sample #:	F7B190000-229	
	ND	0.020	mg/L	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1				
Nitrate		Work Order #: JQHL21AA		MB Lot-Sample #:	F7B270000-141	
	ND	0.020	mg/L	MCAWW 300.0A	02/24/07	7058141
		Dilution Factor: 1				
Nitrite		Work Order #: JPN311AA		MB Lot-Sample #:	F7B120000-181	
	ND	0.020	mg/L	MCAWW 300.0A	02/10/07	7043181
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite		Work Order #: JPQ1D1AA		MB Lot-Sample #:	F7B190000-228	
	ND	0.020	mg/L	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 1				
Nitrite		Work Order #: JQF601AA		MB Lot-Sample #:	F7B230000-461	
	ND	0.020	mg/L	MCAWW 300.0A	02/22/07	7054461
		Dilution Factor: 1				
Nitrite		Work Order #: JQHL11AA		MB Lot-Sample #:	F7B270000-140	
	ND	0.020	mg/L	MCAWW 300.0A	02/24/07	7058140
		Dilution Factor: 1				
Nitrate		Work Order #: JPN331AA		MB Lot-Sample #:	F7B120000-182	
	ND	0.020	mg/L	MCAWW 300.0A	02/10/07	7043182
		Dilution Factor: 1				
Nitrate		Work Order #: JQF621AA		MB Lot-Sample #:	F7B230000-462	
	ND	0.020	mg/L	MCAWW 300.0A	02/22/07	7054462
		Dilution Factor: 1				
Sulfate		Work Order #: JPN3W1AA		MB Lot-Sample #:	F7B120000-180	
	ND	0.50	mg/L	MCAWW 300.0A	02/10/07	7043180
		Dilution Factor: 1				
Sulfate		Work Order #: JPQ091AA		MB Lot-Sample #:	F7B190000-227	
	ND	0.50	mg/L	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1				
Sulfate		Work Order #: JQDDG1AA		MB Lot-Sample #:	F7B230000-460	
	ND	0.50	mg/L	MCAWW 300.0A	02/22/07	7054460
		Dilution Factor: 1				
Sulfate		Work Order #: JQHL01AA		MB Lot-Sample #:	F7B270000-139	
	ND	0.50	mg/L	MCAWW 300.0A	02/24/07	7058139
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JQGRR1AA		MB Lot-Sample #:	F7C050000-353	
	ND	1.0	mg/L	SW846 9060	03/05/07	7064353
		Dilution Factor: 1				
TOX		Work Order #: JQWC31AA		MB Lot-Sample #:	F7C120000-272	
	ND	5.0	ug/L	SW846 9020B	03/09/07	7071272
		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 #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:JPN3T1AC-LCS/JPN3T1AD-LCSD				LCS Lot-Sample#: F7B120000-178		
	2.00	2.04	mg/L	102		MCAWW 300.0A	02/10/07	7043178
	2.00	1.97	mg/L	98	3.9	MCAWW 300.0A	02/10/07	7043178
		Dilution Factor: 1						
Chloride		WO#:JPQXW1AC-LCS/JPQXW1AD-LCSD				LCS Lot-Sample#: F7B190000-225		
	2.00	1.93	mg/L	97		MCAWW 300.0A	02/13/07	7050225
	2.00	1.82	mg/L	91	5.7	MCAWW 300.0A	02/13/07	7050225
		Dilution Factor: 1						
Chloride		WO#:JQDDA1AC-LCS/JQDDA1AD-LCSD				LCS Lot-Sample#: F7B230000-458		
	2.00	1.92	mg/L	96		MCAWW 300.0A	02/22/07	7054458
	2.00	1.89	mg/L	94	1.8	MCAWW 300.0A	02/22/07	7054458
		Dilution Factor: 1						
Chloride		WO#:JQHLV1AC-LCS/JQHLV1AD-LCSD				LCS Lot-Sample#: F7B270000-137		
	2.00	1.99	mg/L	99		MCAWW 300.0A	02/24/07	7058137
	2.00	1.94	mg/L	97	2.5	MCAWW 300.0A	02/24/07	7058137
		Dilution Factor: 1						
Fluoride		WO#:JPN3V1AC-LCS/JPN3V1AD-LCSD				LCS Lot-Sample#: F7B120000-179		
	1.00	1.09	mg/L	109		MCAWW 300.0A	02/10/07	7043179
	1.00	1.07	mg/L	107	1.8	MCAWW 300.0A	02/10/07	7043179
		Dilution Factor: 1						
Fluoride		WO#:JPQ0K1AC-LCS/JPQ0K1AD-LCSD				LCS Lot-Sample#: F7B190000-226		
	1.00	1.04	mg/L	104		MCAWW 300.0A	02/13/07	7050226
	1.00	1.08	mg/L	108	3.6	MCAWW 300.0A	02/13/07	7050226
		Dilution Factor: 1						
Fluoride		WO#:JQDDE1AC-LCS/JQDDE1AD-LCSD				LCS Lot-Sample#: F7B230000-459		
	1.00	1.06	mg/L	106		MCAWW 300.0A	02/22/07	7054459
	1.00	0.997	mg/L	100	6.0	MCAWW 300.0A	02/22/07	7054459
		Dilution Factor: 1						
Fluoride		WO#:JQHLW1AC-LCS/JQHLW1AD-LCSD				LCS Lot-Sample#: F7B270000-138		
	1.00	1.01	mg/L	101		MCAWW 300.0A	02/24/07	7058138
	1.00	1.08	mg/L	108	7.2	MCAWW 300.0A	02/24/07	7058138
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:JPQ1M1AC-LCS/JPQ1M1AD-LCSD LCS Lot-Sample#: F7B190000-229						
	0.400	0.394	mg/L	99		MCAWW 300.0A	02/13/07	7050229
	0.400	0.401	mg/L	100	1.6	MCAWW 300.0A	02/13/07	7050229
		Dilution Factor: 1						
Nitrate		WO#:JQHL21AC-LCS/JQHL21AD-LCSD LCS Lot-Sample#: F7B270000-141						
	0.400	0.381	mg/L	95		MCAWW 300.0A	02/24/07	7058141
	0.400	0.398	mg/L	99	4.2	MCAWW 300.0A	02/24/07	7058141
		Dilution Factor: 1						
Nitrite		WO#:JPN311AC-LCS/JPN311AD-LCSD LCS Lot-Sample#: F7B120000-181						
	0.160	0.175	mg/L	110		MCAWW 300.0A	02/10/07	7043181
	0.160	0.168	mg/L	105	4.4	MCAWW 300.0A	02/10/07	7043181
		Dilution Factor: 1						
Nitrite		WO#:JPQ1D1AC-LCS/JPQ1D1AD-LCSD LCS Lot-Sample#: F7B190000-228						
	0.160	0.158	mg/L	99		MCAWW 300.0A	02/13/07	7050228
	0.160	0.173	mg/L	108	9.1	MCAWW 300.0A	02/13/07	7050228
		Dilution Factor: 1						
Nitrite		WO#:JQF601AC-LCS/JQF601AD-LCSD LCS Lot-Sample#: F7B230000-461						
	0.160	0.161	mg/L	100		MCAWW 300.0A	02/22/07	7054461
	0.160	0.156	mg/L	97	3.0	MCAWW 300.0A	02/22/07	7054461
		Dilution Factor: 1						
Nitrite		WO#:JQHL11AC-LCS/JQHL11AD-LCSD LCS Lot-Sample#: F7B270000-140						
	0.160	0.155	mg/L	97		MCAWW 300.0A	02/24/07	7058140
	0.160	0.156	mg/L	98	0.47	MCAWW 300.0A	02/24/07	7058140
		Dilution Factor: 1						
Nitrate		WO#:JPN331AC-LCS/JPN331AD-LCSD LCS Lot-Sample#: F7B120000-182						
	0.400	0.418	mg/L	105		MCAWW 300.0A	02/10/07	7043182
	0.400	0.413	mg/L	103	1.3	MCAWW 300.0A	02/10/07	7043182
		Dilution Factor: 1						
Nitrate		WO#:JQF621AC-LCS/JQF621AD-LCSD LCS Lot-Sample#: F7B230000-462						
	0.400	0.393	mg/L	98		MCAWW 300.0A	02/22/07	7054462
	0.400	0.368	mg/L	92	6.5	MCAWW 300.0A	02/22/07	7054462
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:JPN3W1AC-LCS/JPN3W1AD-LCSD LCS Lot-Sample#: F7B120000-180						
	8.00	8.41	mg/L	105		MCAWW 300.0A	02/10/07	7043180
	8.00	8.37	mg/L	105	0.38	MCAWW 300.0A	02/10/07	7043180
		Dilution Factor: 1						
Sulfate		WO#:JPQ091AC-LCS/JPQ091AD-LCSD LCS Lot-Sample#: F7B190000-227						
	8.00	7.60	mg/L	95		MCAWW 300.0A	02/13/07	7050227
	8.00	7.65	mg/L	96	0.73	MCAWW 300.0A	02/13/07	7050227
		Dilution Factor: 1						
Sulfate		WO#:JQDDG1AC-LCS/JQDDG1AD-LCSD LCS Lot-Sample#: F7B230000-460						
	8.00	7.60	mg/L	95		MCAWW 300.0A	02/22/07	7054460
	8.00	7.39	mg/L	92	2.7	MCAWW 300.0A	02/22/07	7054460
		Dilution Factor: 1						
Sulfate		WO#:JQHL01AC-LCS/JQHL01AD-LCSD LCS Lot-Sample#: F7B270000-139						
	8.00	7.36	mg/L	92		MCAWW 300.0A	02/24/07	7058139
	8.00	7.62	mg/L	95	3.5	MCAWW 300.0A	02/24/07	7058139
		Dilution Factor: 1						
Total Organic Carbon		WO#:JQGRR1AC-LCS/JQGRR1AD-LCSD LCS Lot-Sample#: F7C050000-353						
	6.00	5.78	mg/L	96		SW846 9060	03/05/07	7064353
	6.00	5.72	mg/L	95	1.1	SW846 9060	03/05/07	7064353
		Dilution Factor: 1						

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX			Work Order #: JQWC31AC		LCS Lot-Sample#: F7C120000-272		
	100	111	ug/L	111	SW846 9020B	03/09/07	7071272
			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 #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/20/07 **Date Received..:** 02/21/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: JPCNV1AD-MS/JPCNV1AE-MSD				MS Lot-Sample #: F7B130161-001		
	0.78	5.00	6.00	mg/L	105		SW846 9060	03/05/07	7064353
	0.78	5.00	6.05	mg/L	105	0.73	SW846 9060	03/05/07	7064353
			Dilution Factor: 1						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		JN9GC1AH		MS Lot-Sample #:	F7B100185-004
	ND	2.00	2.21	mg/L	110	MCAWW 300.0A	02/10-02/11/07	7043178
			Dilution Factor: 1					
Chloride			Work Order #...:		JPCRF1AH		MS Lot-Sample #:	F7B130173-002
	43.6	40.0	84.0 D	mg/L	101	MCAWW 300.0A	02/13/07	7050225
			Dilution Factor: 20					
Chloride			Work Order #...:		JPVX11AH		MS Lot-Sample #:	F7B220180-004
	34.7	20.0	52.7 D	mg/L	90	MCAWW 300.0A	02/22/07	7054458
			Dilution Factor: 10					
Chloride			Work Order #...:		JP2541A7		MS Lot-Sample #:	F7B240139-001
	8.6	20.0	30.9 N,D	mg/L	111	MCAWW 300.0A	02/24/07	7058137
			Dilution Factor: 10					
Fluoride			Work Order #...:		JN9GC1AK		MS Lot-Sample #:	F7B100185-004
	ND	2.00	2.46 N	mg/L	123	MCAWW 300.0A	02/10-02/11/07	7043179
			Dilution Factor: 1					
Fluoride			Work Order #...:		JPCRF1AJ		MS Lot-Sample #:	F7B130173-002
	1.2	2.00	3.43	mg/L	109	MCAWW 300.0A	02/13/07	7050226
			Dilution Factor: 1					
Fluoride			Work Order #...:		JPVX11AK		MS Lot-Sample #:	F7B220180-004
	0.48	2.00	2.59	mg/L	105	MCAWW 300.0A	02/22/07	7054459
			Dilution Factor: 1					
Fluoride			Work Order #...:		JP2541A9		MS Lot-Sample #:	F7B240139-001
	0.31	2.00	2.47	mg/L	108	MCAWW 300.0A	02/24/07	7058138
			Dilution Factor: 1					
Nitrate			Work Order #...:		JP2541CG		MS Lot-Sample #:	F7B240139-001
	ND	4.00	8.32 N,D	mg/L	208	MCAWW 300.0A	02/24/07	7058141
			Dilution Factor: 10					
Nitrite			Work Order #...:		JN9GC1AP		MS Lot-Sample #:	F7B100185-004
	ND	0.100	0.105	mg/L	105	MCAWW 300.0A	02/10-02/11/07	7043181
			Dilution Factor: 1					
Nitrite			Work Order #...:		JPCRF1AL		MS Lot-Sample #:	F7B130173-002
	1.8	2.00	4.42 N,D	mg/L	131	MCAWW 300.0A	02/13/07	7050228
			Dilution Factor: 20					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite			Work Order #...:		JPVX11AP	MS Lot-Sample #: F7B220180-004		
	1.0	1.00	2.41 N,D	mg/L	139	MCAWW 300.0A	02/22/07	7054461
			Dilution Factor: 10					
Nitrite			Work Order #...:		JP2541CE	MS Lot-Sample #: F7B240139-001		
	ND	1.00	1.91 N,D	mg/L	191	MCAWW 300.0A	02/24/07	7058140
			Dilution Factor: 10					
Nitrate			Work Order #...:		JN9GC1AR	MS Lot-Sample #: F7B100185-004		
	ND	0.400	0.434	mg/L	109	MCAWW 300.0A	02/10-02/11/07	7043182
			Dilution Factor: 1					
Nitrate			Work Order #...:		JPCRF1AM	MS Lot-Sample #: F7B130173-002		
	23.9	20.0	46.3 N,D	mg/L	112	MCAWW 300.0A	02/13/07	7050229
			Dilution Factor: 50					
Nitrate			Work Order #...:		JPVX11AR	MS Lot-Sample #: F7B220180-004		
	8.6	4.00	11.3 N,D	mg/L	66	MCAWW 300.0A	02/22/07	7054462
			Dilution Factor: 10					
Sulfate			Work Order #...:		JN9GC1AM	MS Lot-Sample #: F7B100185-004		
	ND	4.00	4.39	mg/L	110	MCAWW 300.0A	02/10-02/11/07	7043180
			Dilution Factor: 1					
Sulfate			Work Order #...:		JPCRF1AK	MS Lot-Sample #: F7B130173-002		
	43.7	80.0	116 D	mg/L	91	MCAWW 300.0A	02/13/07	7050227
			Dilution Factor: 20					
Sulfate			Work Order #...:		JPVX11AM	MS Lot-Sample #: F7B220180-004		
	29.1	40.0	64.6 N,D	mg/L	89	MCAWW 300.0A	02/22/07	7054460
			Dilution Factor: 10					
Sulfate			Work Order #...:		JP2541CC	MS Lot-Sample #: F7B240139-001		
	18.8	40.0	50.8 N,D	mg/L	80	MCAWW 300.0A	02/24/07	7058139
			Dilution Factor: 10					
Total Organic Carbon			Work Order #...:		JPCRN1AM	MS Lot-Sample #: F7B130173-004		
	ND	5.00	4.15	mg/L	83	SW846 9060	03/05/07	7064353
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JPRPQ1CA	MS Lot-Sample #: F7B210177-002		
	ND	5.00	5.60	mg/L	112	SW846 9060	03/05/07	7064353
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL672 **Matrix.....:** WATER
Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX			Work Order #...:		JPCNV1AF	MS Lot-Sample #:	F7B130161-001	
	6.2	100	123	ug/L	117	SW846 9020B	03/09/07	7071272
			Dilution Factor: 1					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JN9GC-SMP JN9GC-DUP **Matrix.....:** WATER

Date Sampled...: 02/08/07 **Date Received..:** 02/10/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7B100185-004	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	02/10-02/11/07	7043178
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7B100185-004	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	02/10-02/11/07	7043179
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7B100185-004	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	02/10-02/11/07	7043180
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7B100185-004	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	02/10-02/11/07	7043181
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7B100185-004	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	02/10-02/11/07	7043182
			Dilution Factor: 1					

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JPCRF-SMP JPCRF-DUP **Matrix.....:** WATER

Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7B130173-002	
	43.6 C,D	41.1 DC	mg/L	6.0	(0-20)	MCAWW 300.0A	02/13/07	7050225
			Dilution Factor: 20					
Fluoride						SD Lot-Sample #:	F7B130173-002	
	1.2	1.1	mg/L	9.0	(0-20)	MCAWW 300.0A	02/13/07	7050226
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7B130173-002	
	43.7 D	43.1 D	mg/L	1.5	(0-20)	MCAWW 300.0A	02/13/07	7050227
			Dilution Factor: 20					
Nitrite						SD Lot-Sample #:	F7B130173-002	
	1.8 DN	1.4 DN	mg/L	26	(0-20)	MCAWW 300.0A	02/13/07	7050228
			Dilution Factor: 20					
Nitrate						SD Lot-Sample #:	F7B130173-002	
	23.9 DN	25.3 DN	mg/L	5.6	(0-20)	MCAWW 300.0A	02/13/07	7050229
			Dilution Factor: 50					

NOTE(S):

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

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

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

D Result was obtained from the analysis of a dilution.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JPVX1-SMP JPVX1-DUP **Matrix.....:** WATER

Date Sampled...: 02/21/07 **Date Received..:** 02/22/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	34.7 D	30.8 D	mg/L	12	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7B220180-004 02/22/07	7054458
			Dilution Factor: 10					
Fluoride	0.48	0.43	mg/L	11	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7B220180-004 02/22/07	7054459
			Dilution Factor: 1					
Sulfate	29.1 DN	27.2 DN	mg/L	6.5	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7B220180-004 02/22/07	7054460
			Dilution Factor: 10					
Nitrite	1.0 DN	0.72 DN	mg/L	35	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7B220180-004 02/22/07	7054461
			Dilution Factor: 10					
Nitrate	8.6 DN	7.8 DN	mg/L	10	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7B220180-004 02/22/07	7054462
			Dilution Factor: 10					

NOTE(S):

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

D Result was obtained from the analysis of a dilution.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JP254-SMP JP254-DUP **Matrix.....:** WATER

Date Sampled...: 02/23/07 **Date Received..:** 02/24/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7B240139-001	
	8.6 DN	8.4 DN	mg/L	3.2	(0-20)	MCAWW 300.0A	02/24/07	7058137
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7B240139-001	
	0.31	0.24	mg/L	26	(0-20)	MCAWW 300.0A	02/24/07	7058138
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7B240139-001	
	18.8 DN	18.1 DN	mg/L	3.6	(0-20)	MCAWW 300.0A	02/24/07	7058139
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7B240139-001	
	ND D	ND D	mg/L	0	(0-20)	MCAWW 300.0A	02/24/07	7058140
			Dilution Factor: 10					
Nitrate						SD Lot-Sample #:	F7B240139-001	
	ND D	ND D	mg/L	0	(0-20)	MCAWW 300.0A	02/24/07	7058141
			Dilution Factor: 10					

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.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JPCRN-SMP JPCRN-DUP **Matrix.....:** WATER

Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7B130173-004	
	ND	ND	mg/L	0	(0-20)	SW846 9060	03/05/07	7064353

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JPRPQ-SMP JPRPQ-DUP **Matrix.....:** WATER

Date Sampled...: 02/20/07 **Date Received..:** 02/21/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7B210177-002	
	ND	ND	mg/L	0	(0-20)	SW846 9060	03/05/07	7064353

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7B100185 **Work Order #...:** JPCNV-SMP JPCNV-DUP **Matrix.....:** WATER

Date Sampled...: 02/12/07 **Date Received..:** 02/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7B130161-001	
	6.2	6.1	ug/L	0.81	(0-20)	SW846 9020B	03/09/07	7071272

Dilution Factor: 1