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ANALYTICAL REPORT

W07-011

Lot #: F7A110212
SDG #: SL666

Dot Stewart

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

SEVERN TRENT LABORATORIES, INC.

for
Brian O'Donnell
Project Manager

March 16, 2007

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CASE NARRATIVE

Pacific Northwest National Laboratories
P.O. Box 1970
Richland, Washington 99352
March 16, 2007
Attention: Dot Stewart

SDG	:	SL666
Number of Samples	:	97
Sample Matrix	:	Water
Data Deliverable	:	Summary
Date SDG Closed	:	January 25, 2007

II. Introduction

Between January 11, 2007 and January 19, 2007, ninety-seven (97) 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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SDG: SL666

V. Comments

General

The following SAFs are associated with this SDG: W07-001, W07-010, W07-011, W07-012, S07-012, G07-012.

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

Volatiles

Batch: 7019114
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 recoveries. The RPDs for three compounds are outside of the QC limits. Their recoveries are within the QC limits.

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

Affected Samples:

F7A110225 (1): B1LM24
F7A120255 (1): B1LM25
F7A130152 (1): B1LM26
F7A130152 (3): B1LD47
F7A130152 (5): B1LD51
F7A130152 (8): B1LC73
F7A130153 (1): B1LK92
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3

Batch: 7029131
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 RPD for one compound is outside of the QC limits. Their recoveries are within the QC limits.

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

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SDG: SL666

In the original analysis performed within holding time, the CCV %D for Acrolein was out low at 75.2%. The sample was reanalyzed for Acrolein only, three days outside of holding time. The reanalysis yielded comparable results. Only the results of the original analysis are reported. Please refer to included IRF 07-035.

Affected Samples:
F7A170164 (2): B1LRK7

Batch: 7029131
The associated sample was analyzed at a dilution due to high concentrations of target analyte (Carbon Tetrachloride). The reporting limit has been adjusted only for those targets reported from the dilution run.

Affected Samples:
F7A130153 (1): B1LK92

Semivolatiles

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

In the original analysis, performed within hold time, 1 acid (allowable) and 2 base/neutral surrogates recovered approximately 5-10% below the lower limit for the associated samples. Two acid surrogates recovered similarly low in the method blank. In addition, 14 spike compounds recovered approximately 1-2% below the lower QC limits in the LCS. The samples were reextracted 22 or 23 days outside of holding time with acceptable QC (except for 1 base/neutral surrogate being slightly low in two of the samples) and comparable results (non-detect). Only the results of the original analysis are reported. Please refer to included IRF 07-034.

As stated in SW846 method 8270C, n-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine. Since Diphenylamine and n-Nitrosodiphenylamine are indistinguishable by GC/MS, to avoid double reporting of these 2 compounds, results are reported as n-Nitrosodiphenylamine.

Affected Samples:
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3
F7A170164 (2): B1LRK7

Herbicides

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

Affected Samples:
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3
F7A170164 (2): B1LRK7

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Phenols by GC

Batch: 7016044
The Method Blank surrogate recovery for 2,4,6-Tribromophenol is outside acceptance limits. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.

In the original analysis, the LCS recovery for 2,4-Dinitrophenol (62%) was outside the lower QC limit (64%), indicating a potential negative bias for the analyte. The associated samples were reextracted eight days outside the holding time; however, this analysis experienced additional QC failures. The samples were reextracted a third time fourteen days outside the holding time with acceptable QC and with results comparable to the first analysis. Only the results of the original analysis are reported. Please refer to included IRF 07-028 (first item).

Affected Samples:
F7A110217 (6): B1LFW5
F7A110217 (12): B1LFT3
F7A110217 (18): B1LFJ3
F7A110217 (41): B1LFR2

Batch: 7018064
In the original analysis, the associated sample's surrogate recovery for 2,4,6-Tribromophenol (54%) was below the lower established QC limit (55%). The sample was reextracted three days outside of holding time; however, this analysis experienced additional QC failures and the recovery for the surrogate was again low at 54%. The sample was reextracted a third time nine days outside of holding time with acceptable QC and with results comparable to the first analysis. Only the results of the original analysis are reported. Please refer to included IRF 07-028 (second item).

Affected Samples:
F7A160169 (4): B1LRL3

Batch: 7018064
The Method Blank surrogate recovery for 2,4,6-Tribromophenol is outside acceptance limits. Samples, associated with this method blank, demonstrated acceptable surrogate recoveries (except for B1LRL3; see above).

Affected Samples:
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3
F7A170164 (2): B1LRK7

Batch: 7031376
In the original analysis, the LCS spike recoveries were low by approximately 5-10% for most compounds and the LCS surrogate recoveries were equally low. In addition, the surrogate recovery for 2,4,6-Tribromophenol for sample B1KT24 (54%) was below the lower QC limit (55%). The samples were reextracted six days outside the holding time with acceptable QC and with results comparable to the first analysis. Only the results of the reanalysis, performed outside of holding time, are reported. Please refer to included IRF 07-028 (third item).

Affected Samples:
F7A190250 (2): B1KT24
F7A190250 (12): B1KT22

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Pesticides

The opening/closing CCV for KCAL638 was outside the upper QC limit (greater than 15%D) for 4,4'-DDT on the confirmation/unreported column indicating a potential high bias for this analyte in the associated samples. This analyte was not observed above the reporting limit on the primary/reported column making the need for confirmation unnecessary.

Affected Samples:

F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3
F7A170164 (2): B1LRK7

ICP Metals

The CCV recovery was outside the upper QC limit (greater than 110%) for Magnesium 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:

F7A190250 (1): B1KT23

The MSD recovery for iron was outside the upper QC limit. The MS/MSD RPD is acceptable, indicating a potential matrix interference.

Affected Samples:

F7A110212 (1): B1L675
F7A110212 (3): B1LT48
F7A130152 (4): B1LD50
F7A130152 (6): B1LD41
F7A170162 (5): B1LH99
F7A170162 (11): B1LHH3
F7A170166 (1): B1LK14

Ion Chromatography

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Nitrite in batch 7011309 and Nitrate in batch 7011310 is attributed to matrix interference.

Affected Samples:

F7A110212 (2): B1L676
F7A110212 (4): B1LT49
F7A110217 (6): B1LFW5
F7A110217 (18): B1LFJ3
F7A110217 (20): B1LHL2
F7A110217 (35): B1LHK8
F7A110217 (41): B1LFR2
F7A110225 (3): B1LBY9

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 Sulfate in batch 7015042, Nitrite in batch 7015043, and Nitrate in batch 7015044 is attributed to matrix interference.

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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 Chloride in batch 7015040 is attributed to matrix interference.

The sample duplicate RPD for Chloride in batch 7015040 is outside the established QC limits of 20%. RPD determinations are not useful for values near the reporting limit. Precision criteria for the concentrations near the reporting limits is +/- the reporting limit. The sample and the duplicate are within this criteria.
Affected Samples:
F7A130150 (2): B1LJK1
F7A130151 (1): B1LNX5
F7A130151 (2): B1LNY0
F7A130151 (3): B1LNX4
F7A130152 (7): B1LD42
F7A130153 (1): B1LK92

Poor matrix spike recovery for Chloride in batch 7016174, Sulfate in batch 7016176, Nitrite in batch 7016177, and Nitrate in batch 7016178 is attributed to matrix interference.

The sample duplicate RPD for Fluoride in batch 7016175 is outside the established QC limits of 20%. RPD determinations are not useful for values near the reporting limit. Precision criteria for the concentrations near the reporting limits is +/- the reporting limit. The sample and the duplicate are within this criteria.
Affected Samples:
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3

The sample duplicate %RPD for Fluoride in batch 7018048 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery. No further action is required.

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Chloride in batch 7018047, Fluoride in batch 7018048, Sulfate in batch 7018049, Nitrite in batch 7018050 and Nitrate in batch 7018051 is attributed to matrix interference.
Affected Samples:
F7A170162 (6): B1LHB0
F7A170162 (12): B1LHH4
F7A170164 (2): B1LRK7
F7A170166 (2): B1LK15

Orthophosphate was observed in the CCB above the reporting limit. Associated samples were non-detect for the contaminant and did not require re-analysis. Results are reported in batch 7018052

The LCS/LCSD and MS recoveries for Orthophosphate in batch 7018052 are outside the upper QC limit, indicating a potential positive. Orthophosphate was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.
Affected Samples:
F7A170166 (2): B1LK15

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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 Nitrite in batch 7022086 and Nitrate in batch 7022087 is attributed to matrix interference.
Affected Samples:
F7A190250 (2): B1KT24 F7A190250 (12): B1KT22

Cyanide

The low-level LCS for Cyanide in batch 7031442 was outside the lower QC limit. Recoveries were acceptable in the high-level LCS.

There was insufficient sample volume to perform a MS analysis.
Affected Samples:
F7A170164 (2): B1LRK7

The low-level LCS for Cyanide in batch 7017140 was outside the lower QC limit. Recoveries were acceptable in the high-level LCS and MS.
Affected Samples:
F7A160169 (2): B1LRL0 F7A160169 (4): B1LRL3

Total Organic Carbon

The closing CCV recovery was outside the upper QC limit (greater than 110%) for TOC batch 7022290 indicating a potential high bias in the samples associated with this CCV. This analyte was not detected above the reporting limit in the associated samples.
Affected Samples:
F7A160169 (2): B1LRL0
F7A160169 (4): B1LRL3
F7A170162 (1): B1LH95
F7A170162 (4): B1LH98
F7A170162 (7): B1LHF9
F7A170162 (8): B1LHH0
F7A170162 (10): B1LHH2

For TOC batch 7022290, the associated samples were originally analyzed within holding time, but due to instrument problems, were reanalyzed outside of holding time. Please refer to included IRF 07-036.
Affected Samples:
F7A160169 (2): B1LRL0 F7A160169 (4): B1LRL3

For TOC batch 7029248, the associated samples were originally analyzed within holding time, but due to instrument problems, were reanalyzed outside of holding time. Please refer to included IRF 07-032.

The MS recovery for QC batch 7029248 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.
Affected Samples:
F7A110217 (1): B1LFW0
F7A110217 (2): B1LFW1
F7A110217 (21): B1LHL5
F7A110217 (22): B1LHL6

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Affected Samples (continued):

F7A110217 (3): B1LFW2
F7A110217 (4): B1LFW3
F7A110217 (7): B1LFR8
F7A110217 (8): B1LFR9
F7A110217 (9): B1LFT0
F7A110217 (10): B1LFT1
F7A110217 (23): B1LHL7
F7A110217 (24): B1LHL8
F7A110217 (25): B1LH71
F7A110217 (26): B1LH72
F7A110217 (27): B1LH73

For TOC batch 7047464, the associated samples were originally analyzed within holding time, but due to instrument problems, were reanalyzed outside of holding time. Please refer to included IRF 07-036.

Affected Samples:

F7A170162 (2): B1LH96
F7A170162 (3): B1LH97
F7A170162 (9): B1LHH1
F7A170164 (2): B1LRK7
F7A190250 (3): B1KT25
F7A190250 (4): B1KT26
F7A190250 (5): B1KT27
F7A190250 (6): B1KT28
F7A190250 (7): B1KT17
F7A190250 (8): B1KT18
F7A190250 (9): B1KT19
F7A190250 (10): B1KT20

For TOC batch 7048156, the associated samples were originally analyzed within holding time, but due to instrument problems, were reanalyzed outside of holding time. Please refer to included IRF 07-036.

The MS recovery for QC batch 7048156 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7A110217 (36): B1LFP7
F7A110217 (37): B1LFP8
F7A110217 (38): B1LFP9
F7A110217 (39): B1LFR0

For TOC batch 7057141, the associated samples were originally analyzed within holding time, but due to instrument problems, were reanalyzed outside of holding time. Please refer to included IRF 07-036.

Affected Samples:

F7A110217 (28): B1LH74
F7A110217 (30): B1LHK3
F7A110217 (31): B1LHK4
F7A110217 (32): B1LHK5
F7A110217 (33): B1LHK6

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

Alkalinity
ICP-MS Metals
Mercury
PCBs
Sulfide
Total Organic Halogens

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March 16, 2007
SDG: SL666

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:

Jane M. Klyne
for
Brian O'Donnell
St. Louis Project Manager

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

PNNL TRACKING NUMBER: 07-035

Date: March 14, 2007 SAF Nos. W07-001

SDG: **SL666** LOGIN No.: **F7A170164** TEST: **GC/MS Volatiles**

Sample No.(s): **B1LRK7**

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

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

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

ISSUE	PROPOSED RESOLUTION
In the original analysis, performed within hold time, the CCV %D for Acrolein was out low at 75.2%. The sample was reanalyzed for Acrolein only, 3 days outside of holding time. The reanalysis yielded comparable results (non-detect).	1) Report in-hold analysis. Note in case narrative CCV failure and that a reanalysis was performed outside of holding time with comparable results. 2) Report out-of-hold reanalysis.

BHI/WMH/PNNL COMMENTS

Accept proposed resolution 1 (original results.)

Heidi Hampt for Dot Stewart 3/15/07

Signature and Date

XC: Ron Butler

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

PNNL TRACKING NUMBER: 07-034

Date: March 14, 2007 SAF Nos. W07-001

SDG: **SL666** LOGIN No.: **F7A160169, F7A170164** TEST: **GC/MS Semivolatiles**

Sample No.(s): **B1LRL0, B1LRL3, B1LRK7**

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

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

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

ISSUE	PROPOSED RESOLUTION
In the original analysis, performed within hold time, 1 acid (allowable) and 2 base/neutral surrogates recovered approximately 5-10% below the lower limit for the listed samples. Two acid surrogates recovered similarly low in the method blank. In addition, 14 spike compounds recovered approximately 1-2% below the lower QC limits in the LCS. The samples were reextracted 22 or 23 days outside of holding time with acceptable QC (except for 1 base/neutral surrogate being slightly low in two of the samples) and comparable results.	1) Report in-hold analysis. Note in case narrative QC failures and that reanalyses were performed outside of holding time with comparable results. 2) Report out-of-hold reanalysis.

BHI/WMH/PNNL COMMENTS

Accept proposed resolution 1 (report original analysis.)

Heidi Hampt for Dot Stewart 3/15/07
Signature and Date

XC: Ron Butler

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

PNNL TRACKING NUMBER: 07-028
Date: February 12, 2007 SAF Nos. W07-012, W07-001, W07-010

SDG: **SL666** LOGIN No.: **F7A110217, F7A160169, F7A190250** TEST: **Phenols by GC**
Sample No.(s): B1LFW5, B1LFT3, B1LFR2, B1LRL3, B1KT24, B1KT22

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

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

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

ISSUE	PROPOSED RESOLUTION
See attached.	See attached.

BHI/WMH/PNNL COMMENTS
For samples B1LFW5, B1LFT3, B1LFJ3, and B1LFK2, accept proposed resolution 1 (report the original results).
For sample B1LRL3, accept proposed resolution 1 (report original results).
For samples B1KT24 and B1KT22 accept proposed resolution 2 (report the out of hold-time reanalysis results).

Heidi Hampt for Dot Stewart 2/14/07
Signature and Date

XC: Ron Butler

Affected Samples:
F7A110217-006 (B1LFW5), -012 (B1LFT3), -018, MS/MSD (B1LFJ3), -041 (B1LFR2)

QC (Original analysis):
LCS recovery for 2,4-Dinitrophenol = 62% (lower limit=64%); MS/MSD recovery OK; Sample surrogates OK

QC (1st Reanalysis):
Extracted 8 days past hold.
LCS recoveries low by 5 – 10% for most compounds; surrogates equally low; MS/MSD recoveries OK.
-006 (B1LFW5) – surrogate low
-012 (B1LFT3) – surrogate OK
-041 (B1LFR2) – surrogate OK

QC (2nd Reanalysis):
Extracted 14 days past hold.
All QC OK.

Proposed resolution:
1) Report original, in-hold, analysis. Note QC failures in original and out-of-hold reanalyses. Note comparable sample results. (Sample B1LFJ3 will have to be reported from the original analysis since it was used for QC purposes in the original analysis.)
2) Report all compounds except 2,4-Dinitrophenol from original analysis. Report 2,4-Dinitrophenol from 2nd reanalysis.

Affected Samples:
F7A160169-004 (B1LRL3)

QC (Original analysis):
Sample surrogate recovery for 2,4,6-Tribromophenol was 54% (lower limit=55%); all other QC OK.

QC (1st Reanalysis):
Extracted 3 days past hold.
LCS recoveries low by 5 – 10% for most compounds; surrogates equally low; MS/MSD recoveries OK.
Sample surrogate recovery for 2,4,6-Tribromophenol again was 54%.

QC (2nd Reanalysis):
Extracted 9 days past hold.
All QC OK.

Proposed resolution:
1) Report original, in-hold analysis. Note surrogate failure and out-of-hold reanalysis. Note comparable sample results.
2) Report 2nd out-of-hold reanalysis.

Affected Samples:
F7A190250-002 (B1KT24), -012 (B1KT22)

QC (Original analysis):
LCS recoveries low by 5 – 10% for most compounds; surrogates equally low; MS/MSD recoveries OK.
-002 (B1KT24) – Sample surrogate recovery for 2,4,6-Tribromophenol was 54% (lower limit=55%)
-012 (B1KT22) – surrogates OK

QC (Reanalysis):
Extracted 6 days past hold.
All QC OK.

Proposed resolution:
1) Report original, in-hold analysis. Note surrogate failure and out-of-hold reanalysis. Note comparable sample results.
2) Report out-of-hold reanalysis.

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

PNNL TRACKING NUMBER: 07-032

Date: February 21, 2007 SAF Nos. W07-012

SDG: **SL666** LOGIN No.: **F7A110217** TEST: TOC

Sample No.(s)
B1LFW0,B1LFW1,B1LFW2,B1LFW3,B1LFR8,B1LFR9,B1LFT0,B1LFT1,B1LHL5,B1LHL6, B1 LHL7,B1LHL8,B1LH71,B1LH72,BILH73

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

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

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

ISSUE	PROPOSED RESOLUTION
Samples for TOC batch 7029248 were originally analyzed within holding time but due to instrument problems had to be reanalyzed.	Report results and note hold time issue in case narrative.

BHI/WMH/PNNL COMMENTS
Accept proposed resolution.

Heidi Hampt for Dot Stewart 2/21/07
Signature and Date

XC: Ron Butler

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

PNNL TRACKING NUMBER: 07-036

Date: March 15, 2007 SAF Nos. W07-001, W07-012, W07-010

SDG: **SL666** LOGIN No.: **F7A160169, F7A170162, F7A170164, F7A110217, F7A190250** TEST: TOC

Sample No.(s): B1LRL0, B1LRL3, B1LH96, B1LH97, B1LHH1, B1LRK7, B1KT25, B1KT26, B1KT27, B1KT28, B1KT17, B1KT18, B1KT19, B1KT20, B1LFP7, B1LFP8, B1LFP9, B1LFR0, B1LH74, B1LHK3, B1LHK4, B1LHK5, B1LHK6

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

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

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

ISSUE	PROPOSED RESOLUTION
Samples for TOC batches 7022290, 7047464, 7048156 and 7057141 were originally analyzed within holding time but due to instrument problems had to be reanalyzed.	Report results and note hold time issue in case narrative.

BHI/WMH/PNNL COMMENTS

Accept proposed resolution.

Heidi Hampt for Dot Stewart 3/15/07
Signature and Date

XC: Ron Butler

METHODS SUMMARY

SL666

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
ICP-MS (6020)	SW846 6020	SW846 3020
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Organochlorine Pesticides	SW846 8081A	SW846 3520C
Phenols by GC	SW846 8040A	SW846 3520
Phosphate as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
PCBs by SW-846 8082	SW846 8082	SW846 3510C
PCBs by SW-846 8082	SW846 8082	SW846 3520C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide	SW846 9030	
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SL666 : F7A110212

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMPHH	001	B1L675	01/10/07	12:45
JMPHK	002	B1L676	01/10/07	12:45
JMPHL	003	B1LT48	01/10/07	09:20
JMPHN	004	B1LT49	01/10/07	09:20

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A110217

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMPJL	001	B1LFW0	01/10/07	13:52
JMPJP	002	B1LFW1	01/10/07	13:52
JMPJQ	003	B1LFW2	01/10/07	13:52
JMPJR	004	B1LFW3	01/10/07	13:52
JMPJT	005	B1LFW4	01/10/07	13:52
JMPJW	006	B1LFW5	01/10/07	13:52
JMPJ1	007	B1LFR8	01/10/07	11:54
JMPJ2	008	B1LFR9	01/10/07	11:54
JMPJ3	009	B1LFT0	01/10/07	11:54
JMPJ4	010	B1LFT1	01/10/07	11:54
JMPJ5	011	B1LFT2	01/10/07	11:54
JMPJ7	012	B1LFT3	01/10/07	11:54
JMPJ8	013	B1LFH4	01/10/07	13:03
JMPKA	014	B1LFH5	01/10/07	13:03
JMPKC	015	B1LFH6	01/10/07	13:03
JMPKE	016	B1LFH7	01/10/07	13:03
JMPKF	017	B1LFJ2	01/10/07	13:03
JMPKG	018	B1LFJ3	01/10/07	13:03
JMPKH	019	B1LHL1	01/10/07	07:30
JMPKK	020	B1LHL2	01/10/07	07:30
JMPKM	021	B1LHL5	01/10/07	07:30
JMPKP	022	B1LHL6	01/10/07	07:30
JMPKQ	023	B1LHL7	01/10/07	07:30
JMPKR	024	B1LHL8	01/10/07	07:30
JMPKV	025	B1LH71	01/10/07	11:53
JMPKX	026	B1LH72	01/10/07	11:53
JMPK0	027	B1LH73	01/10/07	11:53
JMPK2	028	B1LH74	01/10/07	11:53
JMPK3	029	B1LH75	01/10/07	11:53
JMPK6	030	B1LHK3	01/10/07	10:24
JMPK7	031	B1LHK4	01/10/07	10:24
JMPK8	032	B1LHK5	01/10/07	10:24
JMPK9	033	B1LHK6	01/10/07	10:24
JMPLC	034	B1LHK7	01/10/07	10:24
JMPLH	035	B1LHK8	01/10/07	10:24
JMPLN	036	B1LFP7	01/10/07	10:32

(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A110217

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMPLV	037	B1LFP8	01/10/07	10:32
JMPLX	038	B1LFP9	01/10/07	10:32
JMPL1	039	B1LFR0	01/10/07	10:32
JMPL4	040	B1LFR1	01/10/07	10:32
JMPMC	041	B1LFR2	01/10/07	10:32

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A110225

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMPMJ	001	B1LM24	01/10/07	10:42
JMPMK	002	B1LC60	01/10/07	11:53
JMPMM	003	B1LBY9	01/10/07	11:54

NOTE(S):

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SAMPLE SUMMARY

SL666 : F7A120255

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMRXK	001	B1LM25	01/11/07	10:56

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A130150

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMT4D	001	B1LJK0	01/12/07	09:39
JMT4E	002	B1LJK1	01/12/07	09:39

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A130151

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMT4G	001	B1LNX5	01/12/07	07:15
JMT4H	002	B1LNY0	01/12/07	09:38
JMT4J	003	B1LNX4	01/12/07	10:23

NOTE(S):

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SAMPLE SUMMARY

SL666 : F7A130152

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMT4K	001	B1LM26	01/12/07	10:38
JMT4L	002	B1LD46	01/12/07	13:05
JMT4M	003	B1LD47	01/12/07	13:05
JMT4N	004	B1LD50	01/12/07	07:30
JMT4P	005	B1LD51	01/12/07	07:30
JMT4Q	006	B1LD41	01/12/07	11:41
JMT4R	007	B1LD42	01/12/07	11:41
JMT4T	008	B1LC73	01/12/07	09:32

NOTE(S):

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SAMPLE SUMMARY

SL666 : F7A130153

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMT4V	001	B1LK92	01/12/07	10:38

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A160169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMWPN	001	B1LRK9	01/15/07	09:46
JMWPQ	002	B1LRL0	01/15/07	09:46
JMWPX	003	B1LRL2	01/15/07	11:59
JMWP1	004	B1LRL3	01/15/07	11:59

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A170162

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMX52	001	B1LH95	01/16/07	11:45
JMX54	002	B1LH96	01/16/07	11:45
JMX55	003	B1LH97	01/16/07	11:45
JMX56	004	B1LH98	01/16/07	11:45
JMX57	005	B1LH99	01/16/07	11:45
JMX58	006	B1LHB0	01/16/07	11:45
JMX6E	007	B1LHF9	01/16/07	12:45
JMX6H	008	B1LHH0	01/16/07	12:45
JMX6J	009	B1LHH1	01/16/07	12:45
JMX6L	010	B1LHH2	01/16/07	12:45
JMX6N	011	B1LHH3	01/16/07	12:45
JMX6P	012	B1LHH4	01/16/07	12:45

NOTE(S):

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SAMPLE SUMMARY

SL666 : F7A170164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMX6X	001	B1LRK6	01/16/07	10:00
JMX63	002	B1LRK7	01/16/07	10:00

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A170165

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMX7E	001	B1LC55	01/16/07	12:45
JMX7F	002	B1LM27	01/16/07	10:00

NOTE(S):

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A170166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMX7J	001	B1LK14	01/16/07	09:31
JMX7K	002	B1LK15	01/16/07	09:31

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(Continued on next page)

SAMPLE SUMMARY

SL666 : F7A190250

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JM4LQ	001	B1KT23	01/18/07	07:30
JM4LV	002	B1KT24	01/18/07	07:30
JM4LW	003	B1KT25	01/18/07	07:30
JM4LX	004	B1KT26	01/18/07	07:30
JM4L0	005	B1KT27	01/18/07	07:30
JM4L1	006	B1KT28	01/18/07	07:30
JM4L5	007	B1KT17	01/18/07	10:55
JM4L6	008	B1KT18	01/18/07	10:55
JM4L7	009	B1KT19	01/18/07	10:55
JM4L8	010	B1KT20	01/18/07	10:55
JM4MA	011	B1KT21	01/18/07	10:55
JM4MC	012	B1KT22	01/18/07	10:55

NOTE(S):

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VOLATILES

Pacific Northwest National Laboratory

Client Sample ID: B1LM24

GC/MS Volatiles

Lot-Sample #...: F7A110225-001 **Work Order #...:** JMPMJ1AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**4.3 B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	109	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
4-Bromofluorobenzene	95	(75 - 114)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LM24

GC/MS Volatiles

Lot-Sample #: F7A110225-001 **Work Order #:** JMPMJ1AC **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: B1LM25

GC/MS Volatiles

Lot-Sample #...: F7A120255-001 **Work Order #...:** JMRXK1AC **Matrix.....:** WATER
Date Sampled...: 01/11/07 **Date Received..:** 01/12/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	109	(82 - 130)
1,2-Dichloroethane-d4	104	(73 - 137)
4-Bromofluorobenzene	98	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LM25

GC/MS Volatiles

Lot-Sample #: F7A120255-001 **Work Order #:** JMRXK1AC **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: B1LM26

GC/MS Volatiles

Lot-Sample #...: F7A130152-001 **Work Order #...:** JMT4K1AC **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**1.1 B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	111	(82 - 130)
1,2-Dichloroethane-d4	112	(73 - 137)
4-Bromofluorobenzene	94	(75 - 114)

NOTE(S):

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LM26

GC/MS Volatiles

Lot-Sample #: F7A130152-001 **Work Order #:** JMT4K1AC **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: B1LD47

GC/MS Volatiles

Lot-Sample #...: F7A130152-003 **Work Order #...:** JMT4M1AC **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	**0.71 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	112	(82 - 130)
1,2-Dichloroethane-d4	103	(73 - 137)
4-Bromofluorobenzene	92	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LD47

GC/MS Volatiles

Lot-Sample #: F7A130152-003 **Work Order #:** JMT4M1AC **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: B1LD51

GC/MS Volatiles

Lot-Sample #...: F7A130152-005 **Work Order #...:** JMT4P1AC **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**0.31 J,B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	88	(76 - 117)
Dibromofluoromethane	114	(82 - 130)
1,2-Dichloroethane-d4	113	(73 - 137)
4-Bromofluorobenzene	95	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LD51

GC/MS Volatiles

Lot-Sample #: F7A130152-005 **Work Order #:** JMT4P1AC **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: B1LC73

GC/MS Volatiles

Lot-Sample #...: F7A130152-008 **Work Order #...:** JMT4T1AC **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	88	(76 - 117)
Dibromofluoromethane	119	(82 - 130)
1,2-Dichloroethane-d4	118	(73 - 137)
4-Bromofluorobenzene	91	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LC73

GC/MS Volatiles

Lot-Sample #: F7A130152-008 **Work Order #:** JMT4T1AC **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: B1LK92

GC/MS Volatiles

Lot-Sample #...: F7A130153-001 **Work Order #...:** JMT4V1AA **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Vinyl chloride	ND	2.0	ug/L	0.23
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	**0.17 J,B**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	**0.28 J**	**1.0**	**ug/L**	**0.16**
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	**2.7**	**1.0**	**ug/L**	**0.19**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Toluene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(76 - 117)
Dibromofluoromethane	114	(82 - 130)
1,2-Dichloroethane-d4	101	(73 - 137)
4-Bromofluorobenzene	92	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LK92

GC/MS Volatiles

Lot-Sample #: F7A130153-001 **Work Order #:** JMT4V1AA **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: B1LK92

GC/MS Volatiles

Lot-Sample #...: F7A130153-001 **Work Order #...:** JMT4V2AA **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07
Prep Date.....: 01/25/07 **Analysis Date..:** 01/25/07
Prep Batch #...: 7029131
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon tetrachloride	**20 D**	**5.0**	**ug/L**	**0.76**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 117)
Dibromofluoromethane	107	(82 - 130)
1,2-Dichloroethane-d4	102	(73 - 137)
4-Bromofluorobenzene	92	(75 - 114)

NOTE(S):

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Volatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AC **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	10	ug/L	0.78
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Dichlorodifluoromethane	ND	2.0	ug/L	0.27
Vinyl chloride	ND	2.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.20
Acetone	ND	2.0	ug/L	0.80
Bromomethane	ND N	2.0	ug/L	0.28
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	**0.22 J**	**1.0**	**ug/L**	**0.19**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
1,2-Dichloropropane	ND	1.0	ug/L	0.16
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
Chloroethane	ND	2.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
Trichlorofluoromethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Acrolein	ND	10	ug/L	1.4
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
Iodomethane	ND	2.0	ug/L	0.19
1-Butanol	ND	40	ug/L	2.6
Acetonitrile	ND	10	ug/L	3.5
Toluene	ND	1.0	ug/L	0.20
Allyl chloride	ND	2.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.46
Chloroprene	ND	1.0	ug/L	0.20

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Volatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.35
Methacrylonitrile	ND	5.0	ug/L	2.1
Isobutanol	ND	80	ug/L	5.7
Methyl methacrylate	ND	1.0	ug/L	0.60
Bromodichloromethane	ND	1.0	ug/L	0.14
Dibromomethane	ND	1.0	ug/L	0.23
Ethyl methacrylate	ND	1.0	ug/L	0.19
2-Hexanone	ND	5.0	ug/L	0.19
Dibromochloromethane	ND	1.0	ug/L	0.27
1,2-Dibromoethane	ND	1.0	ug/L	0.23
Chlorobenzene	ND	1.0	ug/L	0.20
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Styrene	ND	1.0	ug/L	0.28
Bromoform	ND	1.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.56
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.38
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.20
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	90	(76 - 117)
Dibromofluoromethane	118	(82 - 130)
1,2-Dichloroethane-d4	111	(73 - 137)
4-Bromofluorobenzene	93	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LRL0

GC/MS Volatiles

Lot-Sample #: F7A160169-002 **Work Order #:** JMWPQ1AC **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: B1LRL3

GC/MS Volatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AC **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	10	ug/L	0.78
1,1-Dichloroethene	ND	1.0	ug/L	0.21
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Dichlorodifluoromethane	ND	2.0	ug/L	0.27
Vinyl chloride	ND	2.0	ug/L	0.23
Chloromethane	ND	2.0	ug/L	0.20
Acetone	ND	2.0	ug/L	0.80
Bromomethane	ND N	2.0	ug/L	0.28
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND N	5.0	ug/L	0.56
Chloroform	**0.20 J**	**1.0**	**ug/L**	**0.19**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Propionitrile	ND	5.0	ug/L	1.7
1,2-Dichloropropane	ND	1.0	ug/L	0.16
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
Chloroethane	ND	2.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Carbon tetrachloride	ND	1.0	ug/L	0.15
Trichlorofluoromethane	ND	1.0	ug/L	0.19
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Acrolein	ND	10	ug/L	1.4
Trichloroethene	**0.32 J**	**1.0**	**ug/L**	**0.20**
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Tetrahydrofuran	ND	10	ug/L	2.9
Xylenes (total)	ND	3.0	ug/L	0.58
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
Iodomethane	ND	2.0	ug/L	0.19
1-Butanol	ND	40	ug/L	2.6
Acetonitrile	ND	10	ug/L	3.5
Toluene	ND	1.0	ug/L	0.20
Allyl chloride	ND	2.0	ug/L	0.27
Vinyl acetate	ND	2.0	ug/L	0.46
Chloroprene	ND	1.0	ug/L	0.20

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC/MS Volatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.35
Methacrylonitrile	ND	5.0	ug/L	2.1
Isobutanol	ND	80	ug/L	5.7
Methyl methacrylate	ND	1.0	ug/L	0.60
Bromodichloromethane	ND	1.0	ug/L	0.14
Dibromomethane	ND	1.0	ug/L	0.23
Ethyl methacrylate	ND	1.0	ug/L	0.19
2-Hexanone	ND	5.0	ug/L	0.19
Dibromochloromethane	ND	1.0	ug/L	0.27
1,2-Dibromoethane	ND	1.0	ug/L	0.23
Chlorobenzene	ND	1.0	ug/L	0.20
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.15
Styrene	ND	1.0	ug/L	0.28
Bromoform	ND	1.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.56
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.38
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.20
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	89	(76 - 117)
Dibromofluoromethane	117	(82 - 130)
1,2-Dichloroethane-d4	109	(73 - 137)
4-Bromofluorobenzene	93	(75 - 114)

NOTE(S):

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

B1LRL3

GC/MS Volatiles

Lot-Sample #: F7A160169-004 **Work Order #:** JMWP11AC **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: B1LRK7

GC/MS Volatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AC **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/25/07 **Analysis Date..:** 01/25/07
Prep Batch #...: 7029131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1-Butanol	ND	40	ug/L	2.6
Acrylonitrile	ND	10	ug/L	0.78
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
Dichlorodifluoromethane	ND	2.0	ug/L	0.27
Chloromethane	ND	2.0	ug/L	0.20
Bromomethane	ND	2.0	ug/L	0.28
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.16
Vinyl chloride	ND	2.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.16
Chloroethane	ND	2.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Carbon tetrachloride	ND	1.0	ug/L	0.15
Trichlorofluoromethane	ND	1.0	ug/L	0.19
Chloroform	**0.46 J**	**1.0**	**ug/L**	**0.19**
Acrolein	ND N	10	ug/L	1.4
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Acetone	ND	2.0	ug/L	0.80
Propionitrile	ND	5.0	ug/L	1.7
1,1-Dichloroethene	ND	1.0	ug/L	0.21
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
Iodomethane	ND	2.0	ug/L	0.19
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
Acetonitrile	ND	10	ug/L	3.5
Allyl chloride	ND	2.0	ug/L	0.27
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
Vinyl acetate	ND	2.0	ug/L	0.46
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Chloroprene	ND	1.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.19
Xylenes (total)	ND	3.0	ug/L	0.58
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.35
Methacrylonitrile	ND	5.0	ug/L	2.1
Toluene	ND	1.0	ug/L	0.20

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Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC/MS Volatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Isobutanol	ND N	80	ug/L	5.7
Methyl methacrylate	ND	1.0	ug/L	0.60
Bromodichloromethane	ND	1.0	ug/L	0.14
Dibromomethane	ND	1.0	ug/L	0.23
1,4-Dioxane	ND	80	ug/L	12
Ethyl methacrylate	ND	1.0	ug/L	0.19
2-Hexanone	ND	5.0	ug/L	0.19
Dibromochloromethane	ND	1.0	ug/L	0.27
1,2-Dibromoethane	ND	1.0	ug/L	0.23
Chlorobenzene	ND	1.0	ug/L	0.20
1,1,1,2-Tetrachloroethane	ND N	1.0	ug/L	0.15
Ethylbenzene	ND	1.0	ug/L	0.22
Styrene	ND N	1.0	ug/L	0.28
Bromoform	ND N	1.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.28
1,2,3-Trichloropropane	ND	1.0	ug/L	0.27
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	0.56
1,2-Dibromo-3-chloro-propane	ND N	1.0	ug/L	0.38
Tetrahydrofuran	ND	10	ug/L	2.9
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.20
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.23

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	93	(76 - 117)
Dibromofluoromethane	110	(82 - 130)
1,2-Dichloroethane-d4	104	(73 - 137)
4-Bromofluorobenzene	91	(75 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LRK7

GC/MS Volatiles

Lot-Sample #: F7A170164-002 **Work Order #:** JMX631AC **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: B1LM27

GC/MS Volatiles

Lot-Sample #...: F7A170165-002 **Work Order #...:** JMX7F1AC **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/25/07 **Analysis Date..:** 01/25/07
Prep Batch #...: 7029131
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,4-Dichlorobenzene	ND	1.0	ug/L	0.20
1-Butanol	ND	40	ug/L	2.6
Methylene chloride	**3.4**	**1.0**	**ug/L**	**0.10**
Carbon disulfide	ND	1.0	ug/L	0.16
Vinyl chloride	ND	2.0	ug/L	0.23
1,1-Dichloroethane	ND	1.0	ug/L	0.16
2-Butanone	ND	5.0	ug/L	0.56
Carbon tetrachloride	ND	1.0	ug/L	0.15
Chloroform	ND	1.0	ug/L	0.19
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.19
Acetone	ND	2.0	ug/L	0.80
Propionitrile	ND	5.0	ug/L	1.7
1,1-Dichloroethene	ND	1.0	ug/L	0.21
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.16
1,1,1-Trichloroethane	ND	1.0	ug/L	0.15
1,2-Dichloroethane	ND	1.0	ug/L	0.21
Benzene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.20
4-Methyl-2-pentanone	ND	5.0	ug/L	0.53
1,1,2-Trichloroethane	ND	1.0	ug/L	0.23
Tetrachloroethene	ND	1.0	ug/L	0.19
Xylenes (total)	ND	3.0	ug/L	0.58
Toluene	ND	1.0	ug/L	0.20
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.22
Tetrahydrofuran	ND	10	ug/L	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	95	(76 - 117)
Dibromofluoromethane	106	(82 - 130)
1,2-Dichloroethane-d4	99	(73 - 137)
4-Bromofluorobenzene	91	(75 - 114)

Pacific Northwest National Laboratory

B1LM27

GC/MS Volatiles

Lot-Sample #: F7A170165-002 **Work Order #:** JMX7F1AC **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 #...: SL666 **Work Order #...:** JM3HK1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A190000-114

Prep Date.....: 01/18/07
Analysis Date..: 01/18/07 **Prep Batch #...:** 7019114
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
Acrylonitrile	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.36 J**	**1.0**	**ug/L**	**SW846 8260B**
Bromomethane	ND	2.0	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
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	10	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
Iodomethane	ND	2.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	10	ug/L	SW846 8260B
Allyl chloride	ND	2.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM3HK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	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
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
Dibromofluoromethane	111	(82 - 130)
1,2-Dichloroethane-d4	104	(73 - 137)
4-Bromofluorobenzene	99	(75 - 114)

NOTE(S):

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

J Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7A190000-114 B **Work Order #:** JM3HK1AA **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 #...: SL666 **Work Order #...:** JNJ2R1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A290000-131

Prep Date.....: 01/25/07
Analysis Date..: 01/25/07 **Prep Batch #...:** 7029131
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acrylonitrile	ND	10	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	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
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	10	ug/L	SW846 8260B
Allyl chloride	ND	2.0	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
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Methacrylonitrile	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	80	ug/L	SW846 8260B
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JNJ2R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Bromoform	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
trans-1,4-Dichloro-2-butene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	97	(76 - 117)
Dibromofluoromethane	105	(82 - 130)
1,2-Dichloroethane-d4	98	(73 - 137)
4-Bromofluorobenzene	91	(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 #: F7A290000-131 B **Work Order #:** JNJ2R1AA **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 #...: SL666 Work Order #...: JM3HK1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A190000-114 JM3HK1AD-LCSD
Prep Date.....: 01/18/07 Analysis Date..: 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.1	ug/L	111	0.63	SW846 8260B
Ethylbenzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	2.7	SW846 8260B
Acrylonitrile	50.0	51.0	ug/L	102		SW846 8260B
	50.0	46.5	ug/L	93	9.1	SW846 8260B
1,4-Dioxane	200	181	ug/L	91		SW846 8260B
	200	181	ug/L	90	0.16	SW846 8260B
Vinyl chloride	10.0	12.4	ug/L	124		SW846 8260B
	10.0	12.4	ug/L	124	0.40	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.8	ug/L	118	4.3	SW846 8260B
Chloromethane	10.0	12.0	ug/L	120		SW846 8260B
	10.0	11.7	ug/L	117	2.4	SW846 8260B
Acetone	10.0	11.8	ug/L	118		SW846 8260B
	10.0	7.09 p	ug/L	71	50	SW846 8260B
Bromomethane	10.0	15.0 a	ug/L	150		SW846 8260B
	10.0	16.5 a	ug/L	165	9.4	SW846 8260B
Methylene chloride	10.0	12.1	ug/L	121		SW846 8260B
	10.0	11.7	ug/L	117	3.4	SW846 8260B
Carbon disulfide	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.3	ug/L	113	2.1	SW846 8260B
1,1-Dichloroethane	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.3	ug/L	113	0.080	SW846 8260B
2-Butanone	10.0	16.7 a	ug/L	167		SW846 8260B
	10.0	17.9 a	ug/L	179	7.1	SW846 8260B
Chloroform	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.0	ug/L	110	0.27	SW846 8260B
cis-1,2-Dichloroethene	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.3	ug/L	113	1.2	SW846 8260B
Propionitrile	50.0	55.1	ug/L	110		SW846 8260B
	50.0	49.7	ug/L	99	10	SW846 8260B
1,2-Dichloropropane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	10.8	ug/L	108	1.5	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.7	ug/L	107	1.5	SW846 8260B
Chloroethane	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.5	ug/L	115	1.8	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM3HK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7A190000-114 JM3HK1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1,1-Trichloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	1.3	SW846 8260B
Carbon tetrachloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.5	ug/L	105	1.5	SW846 8260B
1,2-Dichloroethane	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.6	ug/L	106	1.9	SW846 8260B
Trichlorofluoromethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.4	ug/L	114	2.0	SW846 8260B
Benzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.7	ug/L	107	0.090	SW846 8260B
Trichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.3	ug/L	103	1.2	SW846 8260B
Acrolein	50.0	43.0	ug/L	86		SW846 8260B
	50.0	46.6	ug/L	93	8.1	SW846 8260B
4-Methyl-2-pentanone	10.0	11.7	ug/L	117		SW846 8260B
	10.0	9.61	ug/L	96	19	SW846 8260B
1,1,2-Trichloroethane	10.0	9.98	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	3.5	SW846 8260B
Tetrachloroethene	10.0	9.40	ug/L	94		SW846 8260B
	10.0	9.38	ug/L	94	0.18	SW846 8260B
Tetrahydrofuran	50.0	48.7	ug/L	97		SW846 8260B
	50.0	46.5	ug/L	93	4.6	SW846 8260B
1,4-Dichlorobenzene	10.0	9.85	ug/L	98		SW846 8260B
	10.0	9.90	ug/L	99	0.56	SW846 8260B
Iodomethane	10.0	12.3	ug/L	123		SW846 8260B
	10.0	12.3	ug/L	123	0.16	SW846 8260B
1-Butanol	100	86.8	ug/L	87		SW846 8260B
	100	129 p	ug/L	129	39	SW846 8260B
Toluene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.7	ug/L	107	3.0	SW846 8260B
Acetonitrile	50.0	69.9	ug/L	140		SW846 8260B
	50.0	67.9	ug/L	136	2.9	SW846 8260B
Allyl chloride	10.0	11.7	ug/L	117		SW846 8260B
	10.0	11.4	ug/L	114	2.8	SW846 8260B
Vinyl acetate	10.0	8.80	ug/L	88		SW846 8260B
	10.0	8.90	ug/L	89	1.1	SW846 8260B
Chloroprene	10.0	11.6	ug/L	116		SW846 8260B
	10.0	11.6	ug/L	116	0.51	SW846 8260B
1,2-Dichloroethene (total)	20.0	22.0	ug/L	110		SW846 8260B
	20.0	22.0	ug/L	110	0.13	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JM3HK1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A190000-114 JM3HK1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Methacrylonitrile	50.0	54.0	ug/L	108		SW846 8260B
	50.0	53.2	ug/L	106	1.4	SW846 8260B
Isobutanol	200	210	ug/L	105		SW846 8260B
	200	163 p	ug/L	82	25	SW846 8260B
Methyl methacrylate	10.0	9.87	ug/L	99		SW846 8260B
	10.0	9.16	ug/L	92	7.4	SW846 8260B
Bromodichloromethane	10.0	11.4	ug/L	114		SW846 8260B
	10.0	11.4	ug/L	114	0.26	SW846 8260B
Ethyl methacrylate	10.0	9.24	ug/L	92		SW846 8260B
	10.0	8.77	ug/L	88	5.2	SW846 8260B
2-Hexanone	10.0	8.91	ug/L	89		SW846 8260B
	10.0	8.74	ug/L	87	1.9	SW846 8260B
Dibromochloromethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.1	ug/L	111	1.8	SW846 8260B
1,2-Dibromoethane	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.48	ug/L	95	7.6	SW846 8260B
Chlorobenzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.2	ug/L	102	1.4	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.6	ug/L	106	0.56	SW846 8260B
Styrene	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.7	ug/L	117	1.6	SW846 8260B
Bromoform	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.4	ug/L	114	0.61	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.59	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	5.12	ug/L	51		SW846 8260B
	10.0	4.95	ug/L	50	3.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.22	ug/L	92		SW846 8260B
	10.0	9.58	ug/L	96	3.9	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.6	ug/L	106	3.0	SW846 8260B
trans-1,3-Dichloropropene	10.0	9.47	ug/L	95		SW846 8260B
	10.0	9.71	ug/L	97	2.6	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM3HK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7A190000-114 JM3HK1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	98	(90 - 118)
	103	(90 - 118)
Dibromofluoromethane	105	(83 - 125)
	109	(83 - 125)
1,2-Dichloroethane-d4	110	(75 - 135)
	109	(75 - 135)
4-Bromofluorobenzene	95	(78 - 119)
	95	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

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

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JNJ2R1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A290000-131 JNJ2R1AD-LCSD
Prep Date.....: 01/25/07 Analysis Date..: 01/25/07
Prep Batch #...: 7029131
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,4-Dichlorobenzene	10.0	9.87	ug/L	99		SW846 8260B
	10.0	10.2	ug/L	102	2.8	SW846 8260B
1-Butanol	100	85.9	ug/L	86		SW846 8260B
	100	85.5	ug/L	86	0.47	SW846 8260B
Acrylonitrile	50.0	46.7	ug/L	93		SW846 8260B
	50.0	49.0	ug/L	98	4.8	SW846 8260B
Dichlorodifluoromethane (Freon 12)	10.0	6.62	ug/L	66		SW846 8260B
	10.0	7.23	ug/L	72	8.9	SW846 8260B
Chloromethane	10.0	9.38	ug/L	94		SW846 8260B
	10.0	9.64	ug/L	96	2.8	SW846 8260B
Bromomethane	10.0	8.51	ug/L	85		SW846 8260B
	10.0	8.68	ug/L	87	2.0	SW846 8260B
Methylene chloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.3	ug/L	113	8.5	SW846 8260B
Carbon disulfide	10.0	10.8	ug/L	108		SW846 8260B
	10.0	11.2	ug/L	112	3.9	SW846 8260B
Vinyl chloride	10.0	9.71	ug/L	97		SW846 8260B
	10.0	9.94	ug/L	99	2.4	SW846 8260B
1,1-Dichloroethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.5	ug/L	105	1.9	SW846 8260B
1,2-Dichloropropane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.1	ug/L	111	1.2	SW846 8260B
Chloroethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.9	ug/L	109	0.090	SW846 8260B
2-Butanone	10.0	7.35	ug/L	74		SW846 8260B
	10.0	10.2 p	ug/L	102	33	SW846 8260B
Carbon tetrachloride	10.0	10.0	ug/L	100		SW846 8260B
	10.0	10.1	ug/L	101	0.79	SW846 8260B
Trichlorofluoromethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.4	ug/L	104	0.96	SW846 8260B
Chloroform	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.0	ug/L	110	0.090	SW846 8260B
Acrolein	50.0	15.0	ug/L	30		SW846 8260B
	50.0	15.2	ug/L	30	1.4	SW846 8260B
cis-1,2-Dichloroethene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.0	ug/L	110	0.73	SW846 8260B
Acetone	10.0	7.09	ug/L	71		SW846 8260B
	10.0	8.05	ug/L	81	13	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JNJ2R1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A290000-131 JNJ2R1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Propionitrile	50.0	51.4	ug/L	103		SW846 8260B
	50.0	52.7	ug/L	105	2.6	SW846 8260B
1,1-Dichloroethene	10.0	8.79	ug/L	88		SW846 8260B
	10.0	10.1	ug/L	101	14	SW846 8260B
trans-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.3	ug/L	103	0.48	SW846 8260B
Iodomethane	10.0	8.95	ug/L	90		SW846 8260B
	10.0	8.87	ug/L	89	0.95	SW846 8260B
1,1,1-Trichloroethane	10.0	9.95	ug/L	100		SW846 8260B
	10.0	10.3	ug/L	103	3.1	SW846 8260B
Acetonitrile	50.0	40.6	ug/L	81		SW846 8260B
	50.0	42.6	ug/L	85	4.9	SW846 8260B
Allyl chloride	10.0	8.45	ug/L	85		SW846 8260B
	10.0	8.56	ug/L	86	1.3	SW846 8260B
1,2-Dichloroethane	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.3	ug/L	113	3.0	SW846 8260B
Benzene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.9	ug/L	109	0.83	SW846 8260B
Trichloroethene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	11.1	ug/L	111	2.6	SW846 8260B
4-Methyl-2-pentanone	10.0	9.60	ug/L	96		SW846 8260B
	10.0	10.8	ug/L	108	11	SW846 8260B
Vinyl acetate	10.0	12.6	ug/L	126		SW846 8260B
	10.0	13.1	ug/L	131	3.7	SW846 8260B
1,1,2-Trichloroethane	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.3	ug/L	113	0.0	SW846 8260B
Chloroprene	10.0	8.75	ug/L	87		SW846 8260B
	10.0	8.89	ug/L	89	1.6	SW846 8260B
Tetrachloroethene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.3	ug/L	103	1.4	SW846 8260B
1,2-Dichloroethene (total)	20.0	21.2	ug/L	106		SW846 8260B
	20.0	21.3	ug/L	106	0.56	SW846 8260B
Methacrylonitrile	50.0	49.8	ug/L	100		SW846 8260B
	50.0	48.5	ug/L	97	2.7	SW846 8260B
Toluene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	10.4	ug/L	104	2.2	SW846 8260B
Isobutanol	200	207	ug/L	104		SW846 8260B
	200	214	ug/L	107	3.5	SW846 8260B
Methyl methacrylate	10.0	9.04	ug/L	90		SW846 8260B
	10.0	9.04	ug/L	90	0.030	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JNJ2R1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: F7A290000-131 JNJ2R1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Bromodichloromethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	11.2	ug/L	112	0.080	SW846 8260B
1,4-Dioxane	200	202	ug/L	101		SW846 8260B
	200	212	ug/L	106	4.4	SW846 8260B
Ethyl methacrylate	10.0	8.53	ug/L	85		SW846 8260B
	10.0	8.59	ug/L	86	0.65	SW846 8260B
2-Hexanone	10.0	9.73	ug/L	97		SW846 8260B
	10.0	9.13	ug/L	91	6.4	SW846 8260B
Dibromochloromethane	10.0	11.4	ug/L	114		SW846 8260B
	10.0	12.0	ug/L	120	4.7	SW846 8260B
1,2-Dibromoethane	10.0	11.5	ug/L	115		SW846 8260B
	10.0	12.0	ug/L	120	4.2	SW846 8260B
Chlorobenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.9	ug/L	109	2.1	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.5 a	ug/L	115	3.2	SW846 8260B
Ethylbenzene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.5	ug/L	105	1.5	SW846 8260B
Styrene	10.0	11.3	ug/L	113		SW846 8260B
	10.0	11.6	ug/L	116	3.0	SW846 8260B
Bromoform	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.7	ug/L	117	6.1	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	2.6	SW846 8260B
trans-1,4-Dichloro-2-butene	10.0	9.26	ug/L	93		SW846 8260B
	10.0	9.88	ug/L	99	6.5	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	10.0	10.3	ug/L	103		SW846 8260B
	10.0	11.1	ug/L	111	7.2	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	11.6	ug/L	116	6.1	SW846 8260B
trans-1,3-Dichloropropene	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.5	ug/L	115	4.4	SW846 8260B
Tetrahydrofuran	50.0	48.5	ug/L	97		SW846 8260B
	50.0	52.3	ug/L	105	7.5	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JNJ2R1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: F7A290000-131 JNJ2R1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	91	(90 - 118)
	92	(90 - 118)
Dibromofluoromethane	98	(83 - 125)
	100	(83 - 125)
1,2-Dichloroethane-d4	89	(75 - 135)
	97	(75 - 135)
4-Bromofluorobenzene	85	(78 - 119)
	88	(78 - 119)

NOTE(S):

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

Bold print denotes control parameters

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

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666
MS Lot-Sample #: F7A110225-001
Date Sampled...: 01/10/07
Prep Date.....: 01/18/07
Prep Batch #...: 7019114
Dilution Factor: 1

Work Order #...: JMPMJ1AD-MS
JMPMJ1AE-MSD
Date Received..: 01/11/07
Analysis Date..: 01/19/07

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.2	ug/L	112	6.8	SW846 8260B
Ethylbenzene	ND	10.0	9.00	ug/L	90		SW846 8260B
	ND	10.0	9.06	ug/L	91	0.59	SW846 8260B
1,4-Dioxane	ND	200	159	ug/L	80		SW846 8260B
	ND	200	137	ug/L	69	15	SW846 8260B
Vinyl chloride	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	12.6	ug/L	126	1.3	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.7	ug/L	107	2.1	SW846 8260B
cis-1,3-Dichloropropene	ND	10.0	9.96	ug/L	100		SW846 8260B
	ND	10.0	9.78	ug/L	98	1.8	SW846 8260B
Acetone	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	13.7	ug/L	137 p	24	SW846 8260B
Chloromethane	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	11.8	ug/L	118	1.6	SW846 8260B
Methylene chloride	4.3	10.0	16.0	ug/L	117		SW846 8260B
	4.3	10.0	16.4	ug/L	122	2.9	SW846 8260B
Carbon disulfide	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.2	ug/L	112	3.2	SW846 8260B
1,1-Dichloroethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.5	SW846 8260B
Bromomethane	ND	10.0	17.4	ug/L	174		SW846 8260B
		Qualifiers:	a,N				
	ND	10.0	19.0	ug/L	190	8.8	SW846 8260B
		Qualifiers:	a,N				
2-Butanone	ND	10.0	17.1	ug/L	171		SW846 8260B
		Qualifiers:	a,N				
	ND	10.0	14.3	ug/L	143	18	SW846 8260B
Chloroform	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.4	ug/L	124	1.4	SW846 8260B
Chloroethane	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	11.6	ug/L	116	4.4	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	12.4	ug/L	124		SW846 8260B
	ND	10.0	12.8	ug/L	128	2.9	SW846 8260B
Propionitrile	ND	50.0	65.3	ug/L	131		SW846 8260B
	ND	50.0	61.6	ug/L	123	5.8	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JMPMJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110225-001 JMPMJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
trans-1,2-Dichloroethene	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	12.0	ug/L	120	3.5	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.2	ug/L	112	0.26	SW846 8260B
Carbon tetrachloride	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.4	ug/L	114	2.8	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.4	ug/L	124	2.3	SW846 8260B
Benzene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.4	SW846 8260B
Trichloroethene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.35	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	9.37	ug/L	94		SW846 8260B
	ND	10.0	8.79	ug/L	88	6.4	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	24.0	ug/L	120		SW846 8260B
	ND	20.0	24.8	ug/L	124	3.1	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.79	ug/L	98		SW846 8260B
	ND	10.0	9.50	ug/L	95	3.0	SW846 8260B
Tetrachloroethene	ND	10.0	7.80	ug/L	78		SW846 8260B
	ND	10.0	7.79	ug/L	78	0.06	SW846 8260B
Tetrahydrofuran	ND	50.0	61.1	ug/L	122		SW846 8260B
	ND	50.0	54.6	ug/L	109	11	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.49	ug/L	85		SW846 8260B
	ND	10.0	8.21	ug/L	82	3.4	SW846 8260B
1-Butanol	ND	100	105	ug/L	105		SW846 8260B
	ND	100	98.9	ug/L	99	6.0	SW846 8260B
Toluene	ND	10.0	9.17	ug/L	92		SW846 8260B
	ND	10.0	9.28	ug/L	93	1.2	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.2	ug/L	122	0.89	SW846 8260B
Bromodichloromethane	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	13.4	ug/L	134	3.2	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	7.37	ug/L	74		SW846 8260B
	ND	10.0	7.53	ug/L	75	2.1	SW846 8260B
Chloroprene	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	12.4	ug/L	124	5.3	SW846 8260B
m-Xylene & p-Xylene	ND	20.0	18.3	ug/L	91		SW846 8260B
	ND	20.0	18.2	ug/L	91	0.27	SW846 8260B
o-Xylene	ND	10.0	9.36	ug/L	94		SW846 8260B
	ND	10.0	9.16	ug/L	92	2.2	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JMPMJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110225-001 JMPMJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,3-Dichlorobenzene	ND	10.0	8.59	ug/L	86		SW846 8260B
	ND	10.0	8.30	ug/L	83	3.4	SW846 8260B
1,2-Dichlorobenzene	ND	10.0	8.52	ug/L	85		SW846 8260B
	ND	10.0	8.23	ug/L	82	3.4	SW846 8260B
2-Hexanone	ND	10.0	7.45	ug/L	74		SW846 8260B
	ND	10.0	7.65	ug/L	76	2.6	SW846 8260B
Chlorobenzene	ND	10.0	8.92	ug/L	89		SW846 8260B
	ND	10.0	8.96	ug/L	90	0.44	SW846 8260B
1,2-Dibromoethane	ND	10.0	9.13	ug/L	91		SW846 8260B
	ND	10.0	9.16	ug/L	92	0.35	SW846 8260B
Bromoform	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	8.87	ug/L	89	2.2	SW846 8260B
Styrene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.98	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	8.89	ug/L	89	2.8	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	8.16	ug/L	82		SW846 8260B
	ND	10.0	7.12	ug/L	71	14	SW846 8260B
Dibromochloromethane	ND	10.0	9.99	ug/L	100		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.10	SW846 8260B
Bromobenzene	ND	10.0	8.44	ug/L	84		SW846 8260B
	ND	10.0	8.38	ug/L	84	0.72	SW846 8260B
Bromochloromethane	ND	10.0	13.3	ug/L	133		SW846 8260B
	ND	10.0	13.2	ug/L	132	0.37	SW846 8260B
n-Butylbenzene	ND	10.0	8.23	ug/L	82		SW846 8260B
	ND	10.0	7.87	ug/L	79	4.5	SW846 8260B
sec-Butylbenzene	ND	10.0	8.38	ug/L	84		SW846 8260B
	ND	10.0	8.18	ug/L	82	2.5	SW846 8260B
tert-Butylbenzene	ND	10.0	8.31	ug/L	83		SW846 8260B
	ND	10.0	8.21	ug/L	82	1.2	SW846 8260B
Allyl chloride	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.72	SW846 8260B
2-Chlorotoluene	ND	10.0	8.32	ug/L	83		SW846 8260B
	ND	10.0	8.30	ug/L	83	0.31	SW846 8260B
4-Chlorotoluene	ND	10.0	8.34	ug/L	83		SW846 8260B
	ND	10.0	8.30	ug/L	83	0.52	SW846 8260B
Cyclohexanone	ND	100	28.2	ug/L	28		SW846 8260B
	ND	100	25.6	ug/L	26	9.4	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JMPMJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110225-001 JMPMJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	8.16	ug/L	82		SW846 8260B
	ND	10.0	7.12	ug/L	71	14	SW846 8260B
1,2-Dibromoethane (EDB)	ND	10.0	9.13	ug/L	91		SW846 8260B
	ND	10.0	9.16	ug/L	92	0.35	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	3.02	ug/L	30		SW846 8260B
	ND	10.0	3.14	ug/L	31	4.2	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.7	ug/L	107	2.1	SW846 8260B
1,3-Dichloropropane	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	9.10	ug/L	91	0.42	SW846 8260B
2,2-Dichloropropane	ND	10.0	7.06	ug/L	71		SW846 8260B
	ND	10.0	7.63	ug/L	76	7.8	SW846 8260B
1,1-Dichloropropene	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.6	ug/L	116	3.3	SW846 8260B
Ethyl ether	ND	20.0	23.3	ug/L	116		SW846 8260B
	ND	20.0	24.6	ug/L	123	5.8	SW846 8260B
Ethyl methacrylate	ND	10.0	8.48	ug/L	85		SW846 8260B
	ND	10.0	7.98	ug/L	80	6.0	SW846 8260B
Freon 113	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.4	ug/L	104	2.6	SW846 8260B
Hexachlorobutadiene	ND	10.0	7.56	ug/L	76		SW846 8260B
	ND	10.0	7.00	ug/L	70	7.7	SW846 8260B
n-Hexane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.7	ug/L	107	1.6	SW846 8260B
Isopropylbenzene	ND	10.0	8.29	ug/L	83		SW846 8260B
	ND	10.0	8.29	ug/L	83	0.01	SW846 8260B
4-Isopropyltoluene	ND	10.0	8.27	ug/L	83		SW846 8260B
	ND	10.0	7.97	ug/L	80	3.7	SW846 8260B
Methyl methacrylate	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.0	ug/L	110	3.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	8.64	ug/L	86	9.1	SW846 8260B
Naphthalene	ND	10.0	8.15	ug/L	81		SW846 8260B
	ND	10.0	8.12	ug/L	81	0.39	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JMPMJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110225-001 JMPMJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Nitropropane	ND	10.0	8.48	ug/L	85		SW846 8260B
	ND	10.0	8.43	ug/L	84	0.55	SW846 8260B
n-Propylbenzene	ND	10.0	8.55	ug/L	86		SW846 8260B
	ND	10.0	8.42	ug/L	84	1.5	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.24	ug/L	92	0.66	SW846 8260B
1,2,3-Trichlorobenzene	ND	10.0	8.59	ug/L	86		SW846 8260B
	ND	10.0	8.02	ug/L	80	6.9	SW846 8260B
1,2,4-Trichloro-benzene	ND	10.0	8.54	ug/L	85		SW846 8260B
	ND	10.0	8.19	ug/L	82	4.1	SW846 8260B
Trichlorofluoromethane	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.0	ug/L	110	1.7	SW846 8260B
1,3,5-Trimethylbenzene	ND	10.0	8.24	ug/L	82		SW846 8260B
	ND	10.0	8.02	ug/L	80	2.7	SW846 8260B
Acetonitrile	ND	50.0	50.8	ug/L	102		SW846 8260B
	ND	50.0	73.5	ug/L	147 p	36	SW846 8260B
Ethyl acetate	ND	20.0	24.8	ug/L	124		SW846 8260B
	ND	20.0	24.7	ug/L	124	0.44	SW846 8260B
2-Chloroethyl vinyl ether	ND	10.0	14.2	ug/L	142		SW846 8260B
	ND	10.0	14.1	ug/L	141	0.49	SW846 8260B
Iodomethane	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	12.0	ug/L	120	13	SW846 8260B
Vinyl acetate	ND	10.0	9.00	ug/L	90		SW846 8260B
	ND	10.0	8.65	ug/L	86	4.0	SW846 8260B
Acrolein	ND	50.0	60.2	ug/L	120		SW846 8260B
	ND	50.0	54.0	ug/L	108	11	SW846 8260B
Acrylonitrile	ND	50.0	59.8	ug/L	120		SW846 8260B
	ND	50.0	56.5	ug/L	113	5.8	SW846 8260B
Cyclohexane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.6	ug/L	116	4.2	SW846 8260B
Isobutanol	ND	200	278	ug/L	139		SW846 8260B
	ND	200	261	ug/L	131	6.2	SW846 8260B
Methacrylonitrile	ND	50.0	64.4	ug/L	129		SW846 8260B
	ND	50.0	62.1	ug/L	124	3.7	SW846 8260B
Methylcyclohexane	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	11.1	ug/L	111	5.8	SW846 8260B
Pentachloroethane	ND	10.0	8.79	ug/L	88		SW846 8260B
	ND	10.0	8.43	ug/L	84	4.2	SW846 8260B
Methyl acetate	ND	10.0	6.42	ug/L	64		SW846 8260B
	ND	10.0	7.50	ug/L	75	16	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JMPMJ1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110225-001 JMPMJ1AE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chloro-1,3-butadiene	**ND**	**10.0**	**11.8**	**ug/L**	**118**		**SW846 8260B**
	ND	**10.0**	**12.4**	**ug/L**	**124**	**5.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	83	(76 - 117)
	84	(76 - 117)
Dibromofluoromethane	113	(82 - 130)
	114	(82 - 130)
1,2-Dichloroethane-d4	106	(73 - 137)
	116	(73 - 137)
4-Bromofluorobenzene	88	(75 - 114)
	86	(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.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JM4PL1AJ-MS Matrix.....: WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD
Date Sampled...: 01/18/07 Date Received..: 01/19/07
Prep Date.....: 01/25/07 Analysis Date..: 01/25/07
Prep Batch #...: 7029131
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,4-Dichlorobenzene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.8	ug/L	108	1.6	SW846 8260B
1-Butanol	ND	100	85.7	ug/L	86		SW846 8260B
	ND	100	81.6	ug/L	82	4.9	SW846 8260B
Acrylonitrile	ND	50.0	60.0	ug/L	120		SW846 8260B
	ND	50.0	57.7	ug/L	115	3.9	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	10.0	7.64	ug/L	76		SW846 8260B
	ND	10.0	7.24	ug/L	72	5.4	SW846 8260B
Chloromethane	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	10.8	ug/L	108	2.3	SW846 8260B
Bromomethane	ND	10.0	9.62	ug/L	96		SW846 8260B
	ND	10.0	9.98	ug/L	100	3.6	SW846 8260B
Methylene chloride	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.8	ug/L	118	0.34	SW846 8260B
Carbon disulfide	ND	10.0	8.25	ug/L	83		SW846 8260B
	ND	10.0	7.68	ug/L	77	7.2	SW846 8260B
Vinyl chloride	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.3	ug/L	103	3.3	SW846 8260B
1,1-Dichloroethane	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.5	ug/L	115	2.2	SW846 8260B
1,2-Dichloropropane	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	12.9	ug/L	129	0.07	SW846 8260B
Chloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	10.3	ug/L	103	9.1	SW846 8260B
2-Butanone	ND	10.0	14.0	ug/L	140		SW846 8260B
	ND	10.0	8.82	ug/L	88 p	45	SW846 8260B
Trichlorofluoromethane	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	10.6	ug/L	106	7.3	SW846 8260B
Chloroform	11	10.0	23.8	ug/L	130		SW846 8260B
	11	10.0	23.6	ug/L	128	0.92	SW846 8260B
Acrolein	ND	50.0	11.1	ug/L	22 a,N		SW846 8260B
	ND	50.0	12.5	ug/L	25 a,N	12	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	12.6	ug/L	126	0.63	SW846 8260B
Acetone	ND	10.0	7.95	ug/L	80		SW846 8260B
	ND	10.0	8.73	ug/L	87	9.3	SW846 8260B
Propionitrile	ND	50.0	58.1	ug/L	116		SW846 8260B
	ND	50.0	57.0	ug/L	114	1.8	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM4PL1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	10.6	ug/L	106	0.66	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.0	ug/L	110	0.63	SW846 8260B
Iodomethane	ND	10.0	9.48	ug/L	95		SW846 8260B
	ND	10.0	8.80	ug/L	88	7.5	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	11.7	ug/L	117	0.68	SW846 8260B
Acetonitrile	ND	50.0	35.1	ug/L	70		SW846 8260B
	ND	50.0	34.0	ug/L	68	3.4	SW846 8260B
Allyl chloride	ND	10.0	8.13	ug/L	81		SW846 8260B
	ND	10.0	8.13	ug/L	81	0.03	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.3	ug/L	123		SW846 8260B
	ND	10.0	12.6	ug/L	126	2.4	SW846 8260B
Benzene	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.3	ug/L	123	1.5	SW846 8260B
Trichloroethene	5.8	10.0	18.3	ug/L	126		SW846 8260B
	5.8	10.0	17.9	ug/L	122	2.2	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	11.1	ug/L	111	2.0	SW846 8260B
Vinyl acetate	ND	10.0	8.15	ug/L	82		SW846 8260B
	ND	10.0	8.30	ug/L	83	1.8	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	11.9	ug/L	119		SW846 8260B
	ND	10.0	12.4	ug/L	124	4.0	SW846 8260B
Chloroprene	ND	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	8.99	ug/L	90	1.7	SW846 8260B
Tetrachloroethene	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.61	SW846 8260B
m-Xylene & p-Xylene	ND	20.0	21.8	ug/L	109		SW846 8260B
	ND	20.0	22.2	ug/L	111	2.0	SW846 8260B
1,2-Dichloroethene (total)	ND	20.0	23.6	ug/L	118		SW846 8260B
	ND	20.0	23.5	ug/L	118	0.63	SW846 8260B
o-Xylene	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.7	ug/L	117	3.9	SW846 8260B
Methacrylonitrile	ND	50.0	58.8	ug/L	118		SW846 8260B
	ND	50.0	59.9	ug/L	120	1.9	SW846 8260B
1,3-Dichlorobenzene	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.9	ug/L	109	0.0	SW846 8260B
Toluene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.27	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM4PL1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Isobutanol	ND	200	308	ug/L	154		SW846 8260B
		Qualifiers:	a,N				
	ND	200	302	ug/L	151	2.2	SW846 8260B
		Qualifiers:	a,N				
Methyl methacrylate	ND	10.0	9.02	ug/L	90		SW846 8260B
	ND	10.0	10.4	ug/L	104	14	SW846 8260B
1,2-Dichlorobenzene	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.2	ug/L	112	0.98	SW846 8260B
Bromodichloromethane	0.21	10.0	13.2	ug/L	130		SW846 8260B
	0.21	10.0	13.2	ug/L	130	0.15	SW846 8260B
1,4-Dioxane	ND	200	200	ug/L	100		SW846 8260B
	ND	200	233	ug/L	116	15	SW846 8260B
Ethyl methacrylate	ND	10.0	8.12	ug/L	81		SW846 8260B
	ND	10.0	9.07	ug/L	91	11	SW846 8260B
2-Hexanone	ND	10.0	8.33	ug/L	83		SW846 8260B
	ND	10.0	10.7	ug/L	107 p	25	SW846 8260B
Dibromochloromethane	ND	10.0	12.6	ug/L	126		SW846 8260B
	ND	10.0	13.1	ug/L	131	3.5	SW846 8260B
1,2-Dibromoethane	ND	10.0	12.9	ug/L	129		SW846 8260B
	ND	10.0	12.9	ug/L	129	0.0	SW846 8260B
Chlorobenzene	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.6	ug/L	116	2.1	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	12.1	ug/L	121 N		SW846 8260B
	ND	10.0	12.4	ug/L	124	2.0	SW846 8260B
		Qualifiers:	a,N				
Ethylbenzene	ND	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.2	ug/L	112	2.6	SW846 8260B
Styrene	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.4	ug/L	124	1.9	SW846 8260B
		Qualifiers:	a,N				
Bromoform	ND	10.0	12.6	ug/L	126		SW846 8260B
		Qualifiers:	a,N				
	ND	10.0	12.1	ug/L	121	4.0	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.7	ug/L	117	3.7	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10.0	8.90	ug/L	89		SW846 8260B
	ND	10.0	9.40	ug/L	94	5.4	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10.0	11.8	ug/L	118		SW846 8260B
	ND	10.0	12.7	ug/L	127	6.6	SW846 8260B
		Qualifiers:	a,N				

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 Work Order #...: JM4PL1AJ-MS Matrix.....: WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Bromobenzene	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.61	SW846 8260B
Bromochloromethane	ND	10.0	14.0	ug/L	140		SW846 8260B
	ND	10.0	14.6	ug/L	146	3.8	SW846 8260B
n-Butylbenzene	ND	10.0	9.53	ug/L	95		SW846 8260B
	ND	10.0	9.67	ug/L	97	1.5	SW846 8260B
sec-Butylbenzene	ND	10.0	9.97	ug/L	100		SW846 8260B
	ND	10.0	9.95	ug/L	100	0.21	SW846 8260B
tert-Butylbenzene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.2	ug/L	102	0.39	SW846 8260B
2-Chlorotoluene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.3	SW846 8260B
4-Chlorotoluene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.4	ug/L	104	1.4	SW846 8260B
Cyclohexanone	ND	100	53.4	ug/L	53		SW846 8260B
	ND	100	55.6	ug/L	56	3.9	SW846 8260B
1,3-Dichloropropane	ND	10.0	12.2	ug/L	122		SW846 8260B
	ND	10.0	12.4	ug/L	124	1.5	SW846 8260B
2,2-Dichloropropane	ND	10.0	10.9	ug/L	109		SW846 8260B
	ND	10.0	10.4	ug/L	104	4.4	SW846 8260B
1,1-Dichloropropene	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.6	ug/L	116	1.1	SW846 8260B
Ethyl ether	ND	20.0	21.4	ug/L	107		SW846 8260B
	ND	20.0	20.6	ug/L	103	3.9	SW846 8260B
Freon 113	ND	10.0	7.77	ug/L	78		SW846 8260B
	ND	10.0	7.34	ug/L	73	5.6	SW846 8260B
Hexachlorobutadiene	ND	10.0	9.95	ug/L	100		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.90	SW846 8260B
n-Hexane	ND	10.0	7.06	ug/L	71		SW846 8260B
	ND	10.0	6.69	ug/L	67	5.4	SW846 8260B
Isopropylbenzene	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.69	SW846 8260B
4-Isopropyltoluene	ND	10.0	10.1	ug/L	101		SW846 8260B
	ND	10.0	10.3	ug/L	103	2.1	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10.0	11.1	ug/L	111		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.18	SW846 8260B
Naphthalene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	11.3	ug/L	113	4.7	SW846 8260B
2-Nitropropane	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.1	ug/L	101	0.59	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM4PL1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
n-Propylbenzene	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	10.0	ug/L	100	0.68	SW846 8260B
1,2,3-Trichlorobenzene	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.5	ug/L	115	1.8	SW846 8260B
1,2,4-Trichloro-benzene	ND	10.0	10.6	ug/L	106		SW846 8260B
	ND	10.0	11.3	ug/L	113	6.1	SW846 8260B
1,3,5-Trimethylbenzene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.3	ug/L	103	1.4	SW846 8260B
Ethyl acetate	ND	20.0	21.6	ug/L	108		SW846 8260B
	ND	20.0	22.8	ug/L	114	5.5	SW846 8260B
2-Chloroethyl vinyl ether	ND	10.0	0.0	ug/L	10 a,N		SW846 8260B
	ND	10.0	0.0	ug/L	10 a,N	0.0	SW846 8260B
Cyclohexane	ND	10.0	8.70	ug/L	87		SW846 8260B
	ND	10.0	8.59	ug/L	86	1.3	SW846 8260B
Methylcyclohexane	ND	10.0	8.62	ug/L	86		SW846 8260B
	ND	10.0	8.34	ug/L	83	3.2	SW846 8260B
Pentachloroethane	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.49	ug/L	95	2.0	SW846 8260B
Methyl acetate	ND	10.0	12.5	ug/L	125		SW846 8260B
	ND	10.0	12.4	ug/L	124	0.96	SW846 8260B
cis-1,3-Dichloropropene	ND	10.0	12.7	ug/L	127		SW846 8260B
	ND	10.0	13.0	ug/L	130	2.7	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	12.0	ug/L	120		SW846 8260B
	ND	10.0	11.6	ug/L	116	2.6	SW846 8260B
Tetrahydrofuran	ND	50.0	60.3	ug/L	121		SW846 8260B
	ND	50.0	60.6	ug/L	121	0.49	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	92	(76 - 117)
	93	(76 - 117)
Dibromofluoromethane	107	(82 - 130)
	110	(82 - 130)
1,2-Dichloroethane-d4	92	(73 - 137)
	94	(73 - 137)
4-Bromofluorobenzene	88	(75 - 114)
	88	(75 - 114)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL666 **Work Order #...:** JM4PL1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190265-001 JM4PL1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

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.

GC/MS
SEMIVOLATILES

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AM **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/19/07 **Analysis Date..:** 02/09/07
Prep Batch #...: 7019250
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachloropropene	ND	100	ug/L	2.5
5-Nitro-o-toluidine	ND	20	ug/L	1.0
Pyridine	ND	20	ug/L	5.0
N-Nitrosodimethylamine	ND	10	ug/L	2.0
2-Picoline	ND	20	ug/L	5.5
N-Nitrosomethylethylamine	ND	10	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	5.0
Methyl parathion	ND	50	ug/L	1.0
N-Nitrosodiethylamine	ND	10	ug/L	1.0
Ethyl methanesulfonate	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	4.0
Pentachloroethane	ND	50	ug/L	1.0
Aniline	ND	10	ug/L	1.0
bis(2-Chloroethyl)-ether	ND	10	ug/L	1.0
2-Chlorophenol	ND	10	ug/L	1.0
1,3-Dichlorobenzene	ND	10	ug/L	1.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
Benzyl alcohol	ND	10	ug/L	1.0
Hexachlorophene	ND	100	ug/L	10
1,2-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	1.0
Acetophenone	ND	10	ug/L	1.0
4-Methylphenol	ND	10	ug/L	1.0
N-Nitrosopyrrolidine	ND	10	ug/L	1.0
N-Nitrosomorpholine	ND	10	ug/L	0.96
o-Toluidine	ND	20	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	1.0
Hexachloroethane	ND	10	ug/L	1.0
2-Methylnaphthalene	ND	10	ug/L	1.0
Nitrobenzene	ND N	10	ug/L	1.0
N-Nitrosopiperidine	ND	10	ug/L	1.0
Isophorone	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dimethylphenol	ND	10	ug/L	1.0
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	1.0

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.0
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	20
2,4-Dichlorophenol	ND	10	ug/L	1.0
1,2,4-Trichloro-benzene	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,6-Dichlorophenol	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	1.0
Hexachlorobutadiene	ND	10	ug/L	1.0
p-Phenylene diamine	ND	100	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	1.0
Safrole	ND	20	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	2.5
2,4,6-Trichloro-phenol	ND	10	ug/L	2.0
2,4,5-Trichloro-phenol	ND	10	ug/L	2.0
2-Chloronaphthalene	ND	10	ug/L	1.0
Isosafrole	ND	20	ug/L	5.7
2-Nitroaniline	ND	50	ug/L	2.0
1,4-Naphthoquinone	ND	50	ug/L	0.95
Dimethyl phthalate	ND	10	ug/L	1.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	1.0
1,3-Dinitrobenzene	ND	10	ug/L	1.0
Acenaphthylene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	1.1
3-Nitroaniline	ND	50	ug/L	1.1
Acenaphthene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	10
4-Nitrophenol	ND	50	ug/L	5.0
Dibenzofuran	ND	10	ug/L	1.0
Pentachlorobenzene	ND	10	ug/L	2.7
2,4-Dinitrotoluene	ND	10	ug/L	1.1
1-Naphthylamine	ND	10	ug/L	1.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L	0.99

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Diethyl phthalate	ND	10	ug/L	1.0
Fluorene	ND	10	ug/L	1.0
4-Chlorophenyl phenyl ether	ND	10	ug/L	1.0
4-Nitroaniline	ND	50	ug/L	1.3
4,6-Dinitro-2-methylphenol	ND	50	ug/L	5.0
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
Azobenzene	ND	10	ug/L	1.0
Tetraethyldithiopyrophosphate	ND	50	ug/L	1.0
1,3,5-Trinitrobenzene	ND	50	ug/L	5.0
Diallate	ND	20	ug/L	2.0
Phorate	ND	50	ug/L	2.9
4-Bromophenyl phenyl ether	ND	10	ug/L	1.0
Phenacetin	ND	20	ug/L	0.94
Dimethoate	ND	20	ug/L	1.1
Hexachlorobenzene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	1.1
4-Aminobiphenyl	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Disulfoton	ND	50	ug/L	1.0
Phenanthrene	ND	10	ug/L	1.0
Anthracene	ND	10	ug/L	1.1
Dinoseb	ND	20	ug/L	2.0
4-Nitroquinoline-1-oxide	ND	100	ug/L	5.0
Parathion	ND	50	ug/L	1.0
Methapyrilene	ND	50	ug/L	14
Fluoranthene	ND	10	ug/L	1.0
Isodrin	ND	10	ug/L	1.0
Pyrene	ND	10	ug/L	1.0
Aramite 1	ND	20	ug/L	5.0
Aramite 2	ND	20	ug/L	5.0
p-Dimethylaminoazobenzene	ND	20	ug/L	1.0
p-Chlorobenzilate	ND	10	ug/L	1.0
Famphur	ND	100	ug/L	50
Kepone	ND	100	ug/L	20
3,3'-Dimethylbenzidine	ND	50	ug/L	10
Butyl benzyl phthalate	ND	10	ug/L	1.0
2-Acetylaminofluorene	ND	100	ug/L	1.0

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzo(a)anthracene	ND	10	ug/L	1.0
3,3'-Dichlorobenzidine	ND	50	ug/L	1.0
Chrysene	ND	10	ug/L	1.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Di-n-butyl phthalate	ND	10	ug/L	1.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	1.0
Benzo(b)fluoranthene	ND	10	ug/L	1.0
Benzo(k)fluoranthene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.0
3-Methylcholanthrene	ND	20	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	26	(23 - 49)
Phenol-d5	16	(14 - 38)
Nitrobenzene-d5	39 *	(47 - 85)
2-Fluorobiphenyl	37 *	(41 - 85)
2,4,6-Tribromophenol	37 *	(52 - 95)
Terphenyl-d14	49	(40 - 89)

NOTE(S):

* Surrogate recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LRL0

GC/MS Semivolatiles

Lot-Sample #: F7A160169-002 **Work Order #:** JMWPQ1AM **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: B1LRL3

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AM **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/19/07 **Analysis Date..:** 02/09/07
Prep Batch #...: 7019250
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachloropropene	ND	100	ug/L	2.5
5-Nitro-o-toluidine	ND	20	ug/L	1.0
Pyridine	ND	20	ug/L	5.0
N-Nitrosodimethylamine	ND	10	ug/L	2.0
2-Picoline	ND	20	ug/L	5.5
N-Nitrosomethylethylamine	ND	10	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	5.0
Methyl parathion	ND	50	ug/L	1.0
N-Nitrosodiethylamine	ND	10	ug/L	1.0
Ethyl methanesulfonate	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	4.0
Pentachloroethane	ND	50	ug/L	1.0
Aniline	ND	10	ug/L	1.0
bis(2-Chloroethyl)-ether	ND	10	ug/L	1.0
2-Chlorophenol	ND	10	ug/L	1.0
1,3-Dichlorobenzene	ND	10	ug/L	1.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
Benzyl alcohol	ND	10	ug/L	1.0
Hexachlorophene	ND	100	ug/L	10
1,2-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	1.0
Acetophenone	ND	10	ug/L	1.0
4-Methylphenol	ND	10	ug/L	1.0
N-Nitrosopyrrolidine	ND	10	ug/L	1.0
N-Nitrosomorpholine	ND	10	ug/L	0.96
o-Toluidine	ND	20	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	1.0
Hexachloroethane	ND	10	ug/L	1.0
2-Methylnaphthalene	ND	10	ug/L	1.0
Nitrobenzene	ND N	10	ug/L	1.0
N-Nitrosopiperidine	ND	10	ug/L	1.0
Isophorone	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dimethylphenol	ND	10	ug/L	1.0
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	1.0

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.0
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	20
2,4-Dichlorophenol	ND	10	ug/L	1.0
1,2,4-Trichloro-benzene	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,6-Dichlorophenol	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	1.0
Hexachlorobutadiene	ND	10	ug/L	1.0
p-Phenylene diamine	ND	100	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	1.0
Safrole	ND	20	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	2.5
2,4,6-Trichloro-phenol	ND	10	ug/L	2.0
2,4,5-Trichloro-phenol	ND	10	ug/L	2.0
2-Chloronaphthalene	ND	10	ug/L	1.0
Isosafrole	ND	20	ug/L	5.7
2-Nitroaniline	ND	50	ug/L	2.0
1,4-Naphthoquinone	ND	50	ug/L	0.95
Dimethyl phthalate	ND	10	ug/L	1.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	1.0
1,3-Dinitrobenzene	ND	10	ug/L	1.0
Acenaphthylene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	1.1
3-Nitroaniline	ND	50	ug/L	1.1
Acenaphthene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	10
4-Nitrophenol	ND	50	ug/L	5.0
Dibenzofuran	ND	10	ug/L	1.0
Pentachlorobenzene	ND	10	ug/L	2.7
2,4-Dinitrotoluene	ND	10	ug/L	1.1
1-Naphthylamine	ND	10	ug/L	1.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L	0.99

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Diethyl phthalate	ND	10	ug/L	1.0
Fluorene	ND	10	ug/L	1.0
4-Chlorophenyl phenyl ether	ND	10	ug/L	1.0
4-Nitroaniline	ND	50	ug/L	1.3
4,6-Dinitro-2-methylphenol	ND	50	ug/L	5.0
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
Azobenzene	ND	10	ug/L	1.0
Tetraethyldithiopyrophosphate	ND	50	ug/L	1.0
1,3,5-Trinitrobenzene	ND	50	ug/L	5.0
Diallate	ND	20	ug/L	2.0
Phorate	ND	50	ug/L	2.9
4-Bromophenyl phenyl ether	ND	10	ug/L	1.0
Phenacetin	ND	20	ug/L	0.94
Dimethoate	ND	20	ug/L	1.1
Hexachlorobenzene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	1.1
4-Aminobiphenyl	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Disulfoton	ND	50	ug/L	1.0
Phenanthrene	ND	10	ug/L	1.0
Anthracene	ND	10	ug/L	1.1
Dinoseb	ND	20	ug/L	2.0
4-Nitroquinoline-1-oxide	ND	100	ug/L	5.0
Parathion	ND	50	ug/L	1.0
Methapyrilene	ND	50	ug/L	14
Fluoranthene	ND	10	ug/L	1.0
Isodrin	ND	10	ug/L	1.0
Pyrene	ND	10	ug/L	1.0
Aramite 1	ND	20	ug/L	5.0
Aramite 2	ND	20	ug/L	5.0
p-Dimethylaminoazobenzene	ND	20	ug/L	1.0
p-Chlorobenzilate	ND	10	ug/L	1.0
Famphur	ND	100	ug/L	50
Kepone	ND	100	ug/L	20
3,3'-Dimethylbenzidine	ND	50	ug/L	10
Butyl benzyl phthalate	ND	10	ug/L	1.0
2-Acetylaminofluorene	ND	100	ug/L	1.0

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC/MS Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzo(a)anthracene	ND	10	ug/L	1.0
3,3'-Dichlorobenzidine	ND	50	ug/L	1.0
Chrysene	ND	10	ug/L	1.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Di-n-butyl phthalate	ND	10	ug/L	1.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	1.0
Benzo(b)fluoranthene	ND	10	ug/L	1.0
Benzo(k)fluoranthene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.0
3-Methylcholanthrene	ND	20	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	26	(23 - 49)
Phenol-d5	16	(14 - 38)
Nitrobenzene-d5	41 *	(47 - 85)
2-Fluorobiphenyl	39 *	(41 - 85)
2,4,6-Tribromophenol	42 *	(52 - 95)
Terphenyl-d14	54	(40 - 89)

NOTE(S):

* Surrogate recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LRL3

GC/MS Semivolatiles

Lot-Sample #: F7A160169-004 **Work Order #:** JMWP11AM **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		5.4	M	2.7935	ug/L

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC/MS Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AM **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/19/07 **Analysis Date..:** 02/09/07
Prep Batch #...: 7019250
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Hexachloropropene	ND	100	ug/L	2.5
5-Nitro-o-toluidine	ND	20	ug/L	1.0
Pyridine	ND	20	ug/L	5.0
N-Nitrosodimethylamine	ND	10	ug/L	2.0
2-Picoline	ND	20	ug/L	5.5
N-Nitrosomethylethylamine	ND	10	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	5.0
Methyl parathion	ND	50	ug/L	1.0
N-Nitrosodiethylamine	ND	10	ug/L	1.0
Ethyl methanesulfonate	ND	10	ug/L	1.0
Phenol	ND	10	ug/L	4.0
Pentachloroethane	ND	50	ug/L	1.0
Aniline	ND	10	ug/L	1.0
bis(2-Chloroethyl)-ether	ND	10	ug/L	1.0
2-Chlorophenol	ND	10	ug/L	1.0
1,3-Dichlorobenzene	ND	10	ug/L	1.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
Benzyl alcohol	ND	10	ug/L	1.0
Hexachlorophene	ND	100	ug/L	10
1,2-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	1.0
Acetophenone	ND	10	ug/L	1.0
4-Methylphenol	ND	10	ug/L	1.0
N-Nitrosopyrrolidine	ND	10	ug/L	1.0
N-Nitrosomorpholine	ND	10	ug/L	0.96
o-Toluidine	ND	20	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	1.0
Hexachloroethane	ND	10	ug/L	1.0
2-Methylnaphthalene	ND	10	ug/L	1.0
Nitrobenzene	ND N	10	ug/L	1.0
N-Nitrosopiperidine	ND	10	ug/L	1.0
Isophorone	ND	10	ug/L	1.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dimethylphenol	ND	10	ug/L	1.0
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	1.0

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC/MS Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Chloroethoxy) methane	ND	10	ug/L	1.0
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L	20
2,4-Dichlorophenol	ND	10	ug/L	1.0
1,2,4-Trichloro-benzene	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
2,6-Dichlorophenol	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	1.0
Hexachlorobutadiene	ND	10	ug/L	1.0
p-Phenylene diamine	ND	100	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	1.0
Safrole	ND	20	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	2.5
2,4,6-Trichloro-phenol	ND	10	ug/L	2.0
2,4,5-Trichloro-phenol	ND	10	ug/L	2.0
2-Chloronaphthalene	ND	10	ug/L	1.0
Isosafrole	ND	20	ug/L	5.7
2-Nitroaniline	ND	50	ug/L	2.0
1,4-Naphthoquinone	ND	50	ug/L	0.95
Dimethyl phthalate	ND	10	ug/L	1.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	1.0
1,3-Dinitrobenzene	ND	10	ug/L	1.0
Acenaphthylene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	1.1
3-Nitroaniline	ND	50	ug/L	1.1
Acenaphthene	ND	10	ug/L	1.0
2,4-Dinitrophenol	ND	50	ug/L	10
4-Nitrophenol	ND	50	ug/L	5.0
Dibenzofuran	ND	10	ug/L	1.0
Pentachlorobenzene	ND	10	ug/L	2.7
2,4-Dinitrotoluene	ND	10	ug/L	1.1
1-Naphthylamine	ND	10	ug/L	1.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
O,O-Diethyl-O-(2-pyrazinyl) phosphorothioate	ND	50	ug/L	0.99

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC/MS Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Diethyl phthalate	ND	10	ug/L	1.0
Fluorene	ND	10	ug/L	1.0
4-Chlorophenyl phenyl ether	ND	10	ug/L	1.0
4-Nitroaniline	ND	50	ug/L	1.3
4,6-Dinitro-2-methylphenol	ND	50	ug/L	5.0
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
Azobenzene	ND	10	ug/L	1.0
Tetraethyldithiopyrophosphate	ND	50	ug/L	1.0
1,3,5-Trinitrobenzene	ND	50	ug/L	5.0
Diallate	ND	20	ug/L	2.0
Phorate	ND	50	ug/L	2.9
4-Bromophenyl phenyl ether	ND	10	ug/L	1.0
Phenacetin	ND	20	ug/L	0.94
Dimethoate	ND	20	ug/L	1.1
Hexachlorobenzene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	1.1
4-Aminobiphenyl	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Disulfoton	ND	50	ug/L	1.0
Phenanthrene	ND	10	ug/L	1.0
Anthracene	ND	10	ug/L	1.1
Dinoseb	ND	20	ug/L	2.0
4-Nitroquinoline-1-oxide	ND	100	ug/L	5.0
Parathion	ND	50	ug/L	1.0
Methapyrilene	ND	50	ug/L	14
Fluoranthene	ND	10	ug/L	1.0
Isodrin	ND	10	ug/L	1.0
Pyrene	ND	10	ug/L	1.0
Aramite 1	ND	20	ug/L	5.0
Aramite 2	ND	20	ug/L	5.0
p-Dimethylaminoazobenzene	ND	20	ug/L	1.0
p-Chlorobenzilate	ND	10	ug/L	1.0
Famphur	ND	100	ug/L	50
Kepone	ND	100	ug/L	20
3,3'-Dimethylbenzidine	ND	50	ug/L	10
Butyl benzyl phthalate	ND	10	ug/L	1.0
2-Acetylaminofluorene	ND	100	ug/L	1.0

(Continued on next page)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC/MS Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AM **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzo(a)anthracene	ND	10	ug/L	1.0
3,3'-Dichlorobenzidine	ND	50	ug/L	1.0
Chrysene	ND	10	ug/L	1.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Di-n-butyl phthalate	ND	10	ug/L	1.0
Di-n-octyl phthalate	ND	10	ug/L	5.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	1.0
Benzo(b)fluoranthene	ND	10	ug/L	1.0
Benzo(k)fluoranthene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	1.0
3-Methylcholanthrene	ND	20	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	1.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Dibenz(a,h)anthracene	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	26	(23 - 49)
Phenol-d5	16	(14 - 38)
Nitrobenzene-d5	42 *	(47 - 85)
2-Fluorobiphenyl	40 *	(41 - 85)
2,4,6-Tribromophenol	42 *	(52 - 95)
Terphenyl-d14	52	(40 - 89)

NOTE(S):

* Surrogate recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

Pacific Northwest National Laboratory

B1LRK7

GC/MS Semivolatiles

Lot-Sample #: F7A170164-002 **Work Order #:** JMX631AM **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 Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM3391AA **Matrix.....:** WATER
MB Lot-Sample #: F7A190000-250

Prep Date.....: 01/19/07
Analysis Date..: 02/09/07 **Prep Batch #...:** 7019250
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachloropropene	ND	100	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
Hexachlorophene	ND	100	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM3391AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha,alpha-Dimethylphene	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
p-Phenylene diamine	ND	100	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
O,O-Diethyl-O-(2-pyraziny	ND	50	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM3391AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
Azobenzene	ND	10	ug/L	SW846 8270C
Tetraethyldithiopyro-phosphate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	20	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Aramite 1	ND	20	ug/L	SW846 8270C
Aramite 2	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
p-Chlorobenzilate	ND	10	ug/L	SW846 8270C
Famphur	ND	100	ug/L	SW846 8270C
Kepone	ND	100	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM3391AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Tributyl phosphate	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	28	(22 - 55)
Phenol-d5	18 *	(20 - 50)
Nitrobenzene-d5	42	(42 - 92)
2-Fluorobiphenyl	39	(36 - 94)
2,4,6-Tribromophenol	41 *	(45 - 104)
Terphenyl-d14	52	(39 - 93)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Pacific Northwest National Laboratory

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F7A190000-250 B **Work Order #:** JM3391AA **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 Semivolatiles

Client Lot #...: SL666 Work Order #...: JM3391AC Matrix.....: WATER
LCS Lot-Sample#: F7A190000-250
Prep Date.....: 01/19/07 Analysis Date..: 02/09/07
Prep Batch #...: 7019250
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Phenol	100	16.0	ug/L	16	SW846 8270C
bis(2-Chloroethyl)-ether	100	42.1	ug/L	42	SW846 8270C
2-Chlorophenol	100	40.0	ug/L	40	SW846 8270C
1,3-Dichlorobenzene	100	32.7	ug/L	33	SW846 8270C
1,4-Dichlorobenzene	100	32.9	ug/L	33	SW846 8270C
1,2-Dichlorobenzene	100	33.7	ug/L	34	SW846 8270C
2-Methylphenol	100	35.3	ug/L	35	SW846 8270C
2,2'-oxybis(1-Chloropropa	100	38.1	ug/L	38	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	44.8	ug/L	45	SW846 8270C
Hexachloroethane	100	30.9	ug/L	31	SW846 8270C
Nitrobenzene	100	40.6 a	ug/L	41	SW846 8270C
2-Methylnaphthalene	100	36.9	ug/L	37	SW846 8270C
Isophorone	100	50.0 a	ug/L	50	SW846 8270C
2-Nitrophenol	100	40.0 a	ug/L	40	SW846 8270C
2,4-Dimethylphenol	100	40.0	ug/L	40	SW846 8270C
bis(2-Chloroethoxy) methane	100	40.2 a	ug/L	40	SW846 8270C
2,4-Dichlorophenol	100	41.3 a	ug/L	41	SW846 8270C
1,2,4-Trichloro-benzene	100	34.4	ug/L	34	SW846 8270C
Naphthalene	100	37.0	ug/L	37	SW846 8270C
4-Chloroaniline	100	33.3	ug/L	33	SW846 8270C
Hexachlorobutadiene	100	31.2	ug/L	31	SW846 8270C
4-Chloro-3-methylphenol	100	45.2	ug/L	45	SW846 8270C
Hexachlorocyclopenta-diene	100	39.9	ug/L	40	SW846 8270C
2,4,6-Trichloro-phenol	100	43.1	ug/L	43	SW846 8270C
2,4,5-Trichloro-phenol	100	42.2 a	ug/L	42	SW846 8270C
2-Chloronaphthalene	100	41.0	ug/L	41	SW846 8270C
2-Nitroaniline	100	45.3	ug/L	45	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 Work Order #...: JM3391AC Matrix.....: WATER
LCS Lot-Sample#: F7A190000-250

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Dimethyl phthalate	100	46.5 a	ug/L	46	SW846 8270C
Acenaphthylene	100	44.9	ug/L	45	SW846 8270C
2,6-Dinitrotoluene	100	46.6	ug/L	47	SW846 8270C
3-Nitroaniline	100	45.4	ug/L	45	SW846 8270C
Acenaphthene	100	44.6	ug/L	45	SW846 8270C
2,4-Dinitrophenol	100	40.5	ug/L	40	SW846 8270C
4-Nitrophenol	100	23.4	ug/L	23	SW846 8270C
Dibenzofuran	100	44.4	ug/L	44	SW846 8270C
2,4-Dinitrotoluene	100	48.5	ug/L	48	SW846 8270C
Diethyl phthalate	100	49.9	ug/L	50	SW846 8270C
Fluorene	100	46.3	ug/L	46	SW846 8270C
4-Chlorophenyl phenyl ether	100	47.6	ug/L	48	SW846 8270C
4-Nitroaniline	100	47.1	ug/L	47	SW846 8270C
4,6-Dinitro-2-methylphenol	100	43.2	ug/L	43	SW846 8270C
N-Nitrosodiphenylamine	100	49.4	ug/L	49	SW846 8270C
4-Bromophenyl phenyl ether	100	44.6 a	ug/L	45	SW846 8270C
Hexachlorobenzene	100	46.4 a	ug/L	46	SW846 8270C
Pentachlorophenol	100	42.8	ug/L	43	SW846 8270C
Phenanthrene	100	47.7	ug/L	48	SW846 8270C
Anthracene	100	48.2 a	ug/L	48	SW846 8270C
Fluoranthene	100	49.9	ug/L	50	SW846 8270C
Pyrene	100	47.7	ug/L	48	SW846 8270C
Butyl benzyl phthalate	100	46.4	ug/L	46	SW846 8270C
Benzo(a)anthracene	100	48.4 a	ug/L	48	SW846 8270C
3,3'-Dichlorobenzidine	100	36.8	ug/L	37	SW846 8270C
Chrysene	100	50.4	ug/L	50	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	46.6	ug/L	47	SW846 8270C
Di-n-butyl phthalate	100	52.2	ug/L	52	SW846 8270C
Di-n-octyl phthalate	100	45.3	ug/L	45	SW846 8270C
Benzo(b)fluoranthene	100	48.6	ug/L	49	SW846 8270C
Benzo(k)fluoranthene	100	53.2	ug/L	53	SW846 8270C
Benzo(a)pyrene	100	48.4	ug/L	48	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	39.7 a	ug/L	40	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM3391AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A190000-250

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzo(ghi)perylene	100	**45.8 a**	**ug/L**	**46**	**SW846 8270C**
Dibenz(a,h)anthracene	100	**45.2 a**	**ug/L**	**45**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	26	(22 - 55)
Phenol-d5	17 *	(20 - 50)
Nitrobenzene-d5	40 *	(42 - 92)
2-Fluorobiphenyl	42	(36 - 94)
2,4,6-Tribromophenol	45	(45 - 104)
Terphenyl-d14	45	(39 - 93)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 Work Order #...: JMWPQ1AW-MS Matrix.....: WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1AX-MSD
Date Sampled...: 01/15/07 Date Received..: 01/16/07
Prep Date.....: 01/19/07 Analysis Date..: 02/09/07
Prep Batch #...: 7019250
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Phenol	ND	192	37.9	ug/L	20		SW846 8270C
	ND	192	37.4	ug/L	19	1.2	SW846 8270C
bis(2-Chloroethyl)-ether	ND	192	102	ug/L	53		SW846 8270C
	ND	192	103	ug/L	54	1.2	SW846 8270C
2-Chlorophenol	ND	192	97.4	ug/L	51		SW846 8270C
	ND	192	96.8	ug/L	50	0.59	SW846 8270C
1,3-Dichlorobenzene	ND	192	78.2	ug/L	41		SW846 8270C
	ND	192	80.2	ug/L	42	2.5	SW846 8270C
1,4-Dichlorobenzene	ND	192	79.0	ug/L	41		SW846 8270C
	ND	192	80.6	ug/L	42	2.0	SW846 8270C
1,2-Dichlorobenzene	ND	192	81.7	ug/L	42		SW846 8270C
	ND	192	83.5	ug/L	43	2.2	SW846 8270C
2-Methylphenol	ND	192	85.3	ug/L	44		SW846 8270C
	ND	192	83.9	ug/L	44	1.6	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	192	93.8	ug/L	49		SW846 8270C
	ND	192	95.7	ug/L	50	2.1	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	192	112	ug/L	58		SW846 8270C
	ND	192	111	ug/L	58	1.3	SW846 8270C
Hexachloroethane	ND	192	74.6	ug/L	39		SW846 8270C
	ND	192	76.3	ug/L	40	2.2	SW846 8270C
Nitrobenzene	ND	192	102	ug/L	53 a,N		SW846 8270C
	ND	192	101	ug/L	52 a,N	0.98	SW846 8270C
2-Methylnaphthalene	ND	192	91.7	ug/L	48		SW846 8270C
	ND	192	90.7	ug/L	47	1.1	SW846 8270C
Isophorone	ND	192	125	ug/L	65		SW846 8270C
	ND	192	122	ug/L	63	2.5	SW846 8270C
2-Nitrophenol	ND	192	100	ug/L	52		SW846 8270C
	ND	192	100	ug/L	52	0.19	SW846 8270C
2,4-Dimethylphenol	ND	192	98.7	ug/L	51		SW846 8270C
	ND	192	96.2	ug/L	50	2.6	SW846 8270C
bis(2-Chloroethoxy) methane	ND	192	103	ug/L	53		SW846 8270C
	ND	192	99.9	ug/L	52	2.6	SW846 8270C
2,4-Dichlorophenol	ND	192	105	ug/L	55		SW846 8270C
	ND	192	103	ug/L	53	2.4	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 Work Order #...: JMWPQ1AW-MS Matrix.....: WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1AX-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2,4-Trichloro-benzene	ND	192	84.0	ug/L	44		SW846 8270C
	ND	192	85.8	ug/L	45	2.2	SW846 8270C
Naphthalene	ND	192	91.4	ug/L	48		SW846 8270C
	ND	192	91.9	ug/L	48	0.56	SW846 8270C
4-Chloroaniline	ND	192	79.5	ug/L	41		SW846 8270C
	ND	192	75.0	ug/L	39	5.8	SW846 8270C
Hexachlorobutadiene	ND	192	74.4	ug/L	39		SW846 8270C
	ND	192	76.5	ug/L	40	2.8	SW846 8270C
4-Chloro-3-methylphenol	ND	192	112	ug/L	58		SW846 8270C
	ND	192	105	ug/L	55	5.8	SW846 8270C
Hexachlorocyclopenta-diene	ND	192	97.3	ug/L	51		SW846 8270C
	ND	192	101	ug/L	53	3.8	SW846 8270C
2,4,6-Trichloro-phenol	ND	192	108	ug/L	56		SW846 8270C
	ND	192	104	ug/L	54	3.5	SW846 8270C
2,4,5-Trichloro-phenol	ND	192	104	ug/L	54		SW846 8270C
	ND	192	101	ug/L	53	2.7	SW846 8270C
2-Chloronaphthalene	ND	192	102	ug/L	53		SW846 8270C
	ND	192	99.3	ug/L	52	2.2	SW846 8270C
2-Nitroaniline	ND	192	111	ug/L	58		SW846 8270C
	ND	192	105	ug/L	55	4.8	SW846 8270C
Dimethyl phthalate	ND	192	114	ug/L	59		SW846 8270C
	ND	192	109	ug/L	57	4.0	SW846 8270C
Acenaphthylene	ND	192	110	ug/L	57		SW846 8270C
	ND	192	107	ug/L	55	3.2	SW846 8270C
2,6-Dinitrotoluene	ND	192	114	ug/L	59		SW846 8270C
	ND	192	110	ug/L	57	3.7	SW846 8270C
3-Nitroaniline	ND	192	104	ug/L	54		SW846 8270C
	ND	192	101	ug/L	52	3.1	SW846 8270C
Acenaphthene	ND	192	108	ug/L	56		SW846 8270C
	ND	192	105	ug/L	55	2.8	SW846 8270C
2,4-Dinitrophenol	ND	192	105	ug/L	55		SW846 8270C
	ND	192	93.0	ug/L	48	13	SW846 8270C
4-Nitrophenol	ND	192	57.1	ug/L	30		SW846 8270C
	ND	192	52.8	ug/L	27	7.8	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMWPQ1AW-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1AX-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dibenzofuran	ND	192	109	ug/L	56		SW846 8270C
	ND	192	104	ug/L	54	3.9	SW846 8270C
2,4-Dinitrotoluene	ND	192	118	ug/L	62		SW846 8270C
	ND	192	114	ug/L	59	3.6	SW846 8270C
Diethyl phthalate	ND	192	122	ug/L	63		SW846 8270C
	ND	192	116	ug/L	60	4.9	SW846 8270C
Fluorene	ND	192	114	ug/L	59		SW846 8270C
	ND	192	108	ug/L	56	4.5	SW846 8270C
4-Chlorophenyl phenyl ether	ND	192	116	ug/L	60		SW846 8270C
	ND	192	110	ug/L	57	5.0	SW846 8270C
4-Nitroaniline	ND	192	116	ug/L	60		SW846 8270C
	ND	192	108	ug/L	56	7.2	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	192	110	ug/L	57		SW846 8270C
	ND	192	104	ug/L	54	5.6	SW846 8270C
N-Nitrosodiphenylamine	ND	192	120	ug/L	62		SW846 8270C
	ND	192	114	ug/L	59	4.4	SW846 8270C
4-Bromophenyl phenyl ether	ND	192	110	ug/L	57		SW846 8270C
	ND	192	104	ug/L	54	5.9	SW846 8270C
Hexachlorobenzene	ND	192	114	ug/L	59		SW846 8270C
	ND	192	107	ug/L	55	6.7	SW846 8270C
Pentachlorophenol	ND	192	110	ug/L	57		SW846 8270C
	ND	192	104	ug/L	54	4.8	SW846 8270C
Phenanthrene	ND	192	116	ug/L	60		SW846 8270C
	ND	192	109	ug/L	57	6.0	SW846 8270C
Anthracene	ND	192	118	ug/L	61		SW846 8270C
	ND	192	111	ug/L	58	6.1	SW846 8270C
Fluoranthene	ND	192	121	ug/L	63		SW846 8270C
	ND	192	114	ug/L	59	5.6	SW846 8270C
Pyrene	ND	192	118	ug/L	61		SW846 8270C
	ND	192	111	ug/L	58	6.4	SW846 8270C
Butyl benzyl phthalate	ND	192	115	ug/L	60		SW846 8270C
	ND	192	107	ug/L	55	7.5	SW846 8270C
Benzo(a)anthracene	ND	192	118	ug/L	61		SW846 8270C
	ND	192	112	ug/L	58	5.5	SW846 8270C
3,3'-Dichlorobenzidine	ND	192	87.0	ug/L	45		SW846 8270C
	ND	192	84.2	ug/L	44	3.3	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMWPQ1AW-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1AX-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chrysene	**ND**	**192**	**121**	**ug/L**	**63**		**SW846 8270C**
	ND	**192**	**114**	**ug/L**	**59**	**6.0**	**SW846 8270C**
bis(2-Ethylhexyl) phthalate	**ND**	**192**	**116**	**ug/L**	**60**		**SW846 8270C**
	ND	**192**	**107**	**ug/L**	**55**	**8.7**	**SW846 8270C**
Di-n-butyl phthalate	**ND**	**192**	**127**	**ug/L**	**66**		**SW846 8270C**
	ND	**192**	**119**	**ug/L**	**62**	**6.7**	**SW846 8270C**
Di-n-octyl phthalate	**ND**	**192**	**111**	**ug/L**	**58**		**SW846 8270C**
	ND	**192**	**104**	**ug/L**	**54**	**7.2**	**SW846 8270C**
Benzo(b)fluoranthene	**ND**	**192**	**119**	**ug/L**	**62**		**SW846 8270C**
	ND	**192**	**111**	**ug/L**	**58**	**7.0**	**SW846 8270C**
Benzo(k)fluoranthene	**ND**	**192**	**130**	**ug/L**	**67**		**SW846 8270C**
	ND	**192**	**122**	**ug/L**	**63**	**6.6**	**SW846 8270C**
Benzo(a)pyrene	**ND**	**192**	**117**	**ug/L**	**61**		**SW846 8270C**
	ND	**192**	**107**	**ug/L**	**56**	**9.1**	**SW846 8270C**
Indeno(1,2,3-cd)pyrene	**ND**	**192**	**103**	**ug/L**	**54**		**SW846 8270C**
	ND	**192**	**93.6**	**ug/L**	**49**	**9.4**	**SW846 8270C**
Benzo(ghi)perylene	**ND**	**192**	**119**	**ug/L**	**62**		**SW846 8270C**
	ND	**192**	**106**	**ug/L**	**55**	**11**	**SW846 8270C**
Dibenz(a,h)anthracene	**ND**	**192**	**116**	**ug/L**	**60**		**SW846 8270C**
	ND	**192**	**103**	**ug/L**	**53**	**12**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	33	(23 - 49)
	32	(23 - 49)
Phenol-d5	22	(14 - 38)
	21	(14 - 38)
Nitrobenzene-d5	52	(47 - 85)
	51	(47 - 85)
2-Fluorobiphenyl	54	(41 - 85)
	52	(41 - 85)
2,4,6-Tribromophenol	58	(52 - 95)
	54	(52 - 95)
Terphenyl-d14	59	(40 - 89)
	54	(40 - 89)

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.

PHENOLS BY GC

Pacific Northwest National Laboratory

Client Sample ID: B1LFW5

GC Semivolatiles

Lot-Sample #...: F7A110217-006 **Work Order #...:** JMPJW1AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	73	(55 - 118)
2-Fluorophenol	65	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1LFT3

GC Semivolatiles

Lot-Sample #...: F7A110217-012 **Work Order #...:** JMPJ71AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	70	(55 - 118)
2-Fluorophenol	62	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1LFJ3

GC Semivolatiles

Lot-Sample #...: F7A110217-018 **Work Order #...:** JMPKG1AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
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)

Pacific Northwest National Laboratory

Client Sample ID: B1LFR2

GC Semivolatiles

Lot-Sample #...: F7A110217-041 **Work Order #...:** JMPMC1AC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
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	74	(55 - 118)
2-Fluorophenol	61	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AK **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7018064
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	64	(55 - 118)
2-Fluorophenol	57	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AK **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7018064
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	54 *	(55 - 118)
2-Fluorophenol	51	(40 - 98)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AK **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/18/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7018064
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	63	(55 - 118)
2-Fluorophenol	56	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1KT24

GC Semivolatiles

Lot-Sample #...: F7A190250-002 **Work Order #...:** JM4LV2AC **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/31/07 **Analysis Date..:** 02/01/07
Prep Batch #...: 7031376
Dilution Factor: 1 **Method.....:** SW846 8040A

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	70	(55 - 118)
2-Fluorophenol	65	(40 - 98)

Pacific Northwest National Laboratory

Client Sample ID: B1KT22

GC Semivolatiles

Lot-Sample #...: F7A190250-012 **Work Order #...:** JM4MC2AC **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/31/07 **Analysis Date..:** 02/01/07
Prep Batch #...: 7031376
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	64	(55 - 118)
2-Fluorophenol	59	(40 - 98)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMWKH1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A160000-044

Prep Date.....: 01/16/07
Analysis Date..: 01/22/07 **Prep Batch #...:** 7016044
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	61	(55 - 118)
2-Fluorophenol	57	(40 - 98)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM1FE1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A180000-064

Prep Date.....: 01/18/07
Analysis Date..: 01/23/07 **Prep Batch #...:** 7018064
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	62	(55 - 118)
2-Fluorophenol	56	(40 - 98)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JNNQH1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A310000-376

Prep Date.....: 01/31/07
Analysis Date..: 02/01/07 **Prep Batch #...:** 7031376
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	68	(55 - 118)
2-Fluorophenol	62	(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 #...: SL666 **Work Order #...:** JMWKH1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A160000-044
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**62.5**	**ug/L**	**62**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**63.3**	**ug/L**	**63**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**63.6**	**ug/L**	**64**	**SW846 8040A**
2-Methylphenol	**100**	**63.1**	**ug/L**	**63**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**62.3**	**ug/L**	**62**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**63.1**	**ug/L**	**63**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**62.3**	**ug/L**	**62**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**61.9 N**	**ug/L**	**62**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**65.6**	**ug/L**	**66**	**SW846 8040A**
Dinoseb	**100**	**66.8**	**ug/L**	**67**	**SW846 8040A**
2-Nitrophenol	**100**	**64.5**	**ug/L**	**64**	**SW846 8040A**
4-Nitrophenol	**100**	**66.4**	**ug/L**	**66**	**SW846 8040A**
Pentachlorophenol	**100**	**61.6**	**ug/L**	**62**	**SW846 8040A**
Phenol	**100**	**62.4**	**ug/L**	**62**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**61.5**	**ug/L**	**62**	**SW846 8040A**
2,4,5-Trichloro-phenol	**100**	**62.4**	**ug/L**	**62**	**SW846 8040A**
2,4,6-Trichloro-phenol	**100**	**63.2**	**ug/L**	**63**	**SW846 8040A**

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

NOTE(S):

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

Bold print denotes control parameters

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM1FE1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A180000-064
Prep Date.....: 01/18/07 **Analysis Date..:** 01/23/07
Prep Batch #...: 7018064
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**63.0**	**ug/L**	**63**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**65.8**	**ug/L**	**66**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**65.2**	**ug/L**	**65**	**SW846 8040A**
2-Methylphenol	**100**	**63.6**	**ug/L**	**64**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**63.6**	**ug/L**	**64**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**64.4**	**ug/L**	**64**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**63.9**	**ug/L**	**64**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**65.6**	**ug/L**	**66**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**70.6**	**ug/L**	**71**	**SW846 8040A**
Dinoseb	**100**	**75.8**	**ug/L**	**76**	**SW846 8040A**
2-Nitrophenol	**100**	**65.7**	**ug/L**	**66**	**SW846 8040A**
4-Nitrophenol	**100**	**70.2**	**ug/L**	**70**	**SW846 8040A**
Pentachlorophenol	**100**	**64.5**	**ug/L**	**64**	**SW846 8040A**
Phenol	**100**	**63.4**	**ug/L**	**63**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**61.1**	**ug/L**	**61**	**SW846 8040A**
2,4,5-Trichlorophenol	**100**	**64.7**	**ug/L**	**65**	**SW846 8040A**
2,4,6-Trichlorophenol	**100**	**64.9**	**ug/L**	**65**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	71	(66 - 99)
2-Fluorophenol	62	(50 - 82)

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 Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JNNQH1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A310000-376
Prep Date.....: 01/31/07 **Analysis Date..:** 02/01/07
Prep Batch #...: 7031376
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Chlorophenol	**100**	**61.6**	**ug/L**	**62**	**SW846 8040A**
4-Chloro-3-methylphenol	**100**	**65.4**	**ug/L**	**65**	**SW846 8040A**
3-Methylphenol & 4-Methylphenol	**100**	**64.0**	**ug/L**	**64**	**SW846 8040A**
2-Methylphenol	**100**	**62.7**	**ug/L**	**63**	**SW846 8040A**
2,4-Dichlorophenol	**100**	**63.4**	**ug/L**	**63**	**SW846 8040A**
2,6-Dichlorophenol	**100**	**64.1**	**ug/L**	**64**	**SW846 8040A**
2,4-Dimethylphenol	**100**	**63.2**	**ug/L**	**63**	**SW846 8040A**
2,4-Dinitrophenol	**100**	**65.5**	**ug/L**	**65**	**SW846 8040A**
4,6-Dinitro-2-methylphenol	**100**	**71.6**	**ug/L**	**72**	**SW846 8040A**
Dinoseb	**100**	**75.3**	**ug/L**	**75**	**SW846 8040A**
2-Nitrophenol	**100**	**66.3**	**ug/L**	**66**	**SW846 8040A**
4-Nitrophenol	**100**	**66.7**	**ug/L**	**67**	**SW846 8040A**
Pentachlorophenol	**100**	**67.0**	**ug/L**	**67**	**SW846 8040A**
Phenol	**100**	**59.8**	**ug/L**	**60**	**SW846 8040A**
2,3,4,6-Tetrachlorophenol	**100**	**69.1**	**ug/L**	**69**	**SW846 8040A**
2,4,5-Trichlorophenol	**100**	**64.6**	**ug/L**	**65**	**SW846 8040A**
2,4,6-Trichlorophenol	**100**	**64.4**	**ug/L**	**64**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	69	(66 - 99)
2-Fluorophenol	58	(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 #...: SL666 **Work Order #...:** JMPKG1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110217-018 JMPKG1AK-MSD
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07
Prep Date.....: 01/16/07 **Analysis Date..:** 01/22/07
Prep Batch #...: 7016044
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.5	59.4	ug/L	62		SW846 8040A
	ND	97.0	67.0	ug/L	69	12	SW846 8040A
4-Chloro-3-methylphenol	ND	95.5	63.1	ug/L	66		SW846 8040A
	ND	97.0	72.4	ug/L	75	14	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.5	61.4	ug/L	64		SW846 8040A
	ND	97.0	70.2	ug/L	72	13	SW846 8040A
2-Methylphenol	ND	95.5	60.1	ug/L	63		SW846 8040A
	ND	97.0	68.8	ug/L	71	13	SW846 8040A
2,4-Dichlorophenol	ND	95.5	60.6	ug/L	63		SW846 8040A
	ND	97.0	69.1	ug/L	71	13	SW846 8040A
2,6-Dichlorophenol	ND	95.5	61.2	ug/L	64		SW846 8040A
	ND	97.0	70.2	ug/L	72	14	SW846 8040A
2,4-Dimethylphenol	ND	95.5	60.1	ug/L	63		SW846 8040A
	ND	97.0	68.8	ug/L	71	13	SW846 8040A
2,4-Dinitrophenol	ND	95.5	62.8	ug/L	66		SW846 8040A
	ND	97.0	72.3	ug/L	74	14	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.5	67.1	ug/L	70		SW846 8040A
	ND	97.0	77.9	ug/L	80	15	SW846 8040A
Dinoseb	ND	95.5	71.1	ug/L	74		SW846 8040A
	ND	97.0	83.1	ug/L	86	16	SW846 8040A
2-Nitrophenol	ND	95.5	62.6	ug/L	65		SW846 8040A
	ND	97.0	71.4	ug/L	74	13	SW846 8040A
4-Nitrophenol	ND	95.5	66.3	ug/L	69		SW846 8040A
	ND	97.0	78.2	ug/L	81	17	SW846 8040A
Pentachlorophenol	ND	95.5	63.0	ug/L	66		SW846 8040A
	ND	97.0	74.0	ug/L	76	16	SW846 8040A
Phenol	ND	95.5	59.4	ug/L	62		SW846 8040A
	ND	97.0	68.0	ug/L	70	14	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.5	59.3	ug/L	62		SW846 8040A
	ND	97.0	72.6	ug/L	75	20	SW846 8040A
2,4,5-Trichloro-phenol	ND	95.5	62.2	ug/L	65		SW846 8040A
	ND	97.0	71.6	ug/L	74	14	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMPKG1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A110217-018 JMPKG1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.5**	**62.8**	**ug/L**	**66**		**SW846 8040A**
	ND	**97.0**	**72.3**	**ug/L**	**75**	**14**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	70	(55 - 118)
	79	(55 - 118)
2-Fluorophenol	60	(40 - 98)
	66	(40 - 98)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 Work Order #...: JMWPQ1CD-MS Matrix.....: WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1CE-MSD
Date Sampled...: 01/15/07 Date Received..: 01/16/07
Prep Date.....: 01/18/07 Analysis Date..: 01/23/07
Prep Batch #...: 7018064
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	95.3	52.6	ug/L	55		SW846 8040A
	ND	95.4	62.4	ug/L	65	17	SW846 8040A
4-Chloro-3-methylphenol	ND	95.3	54.0	ug/L	57		SW846 8040A
	ND	95.4	65.3	ug/L	68	19	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	95.3	53.8	ug/L	56		SW846 8040A
	ND	95.4	64.3	ug/L	67	18	SW846 8040A
2-Methylphenol	ND	95.3	52.6	ug/L	55		SW846 8040A
	ND	95.4	62.7	ug/L	66	17	SW846 8040A
2,4-Dichlorophenol	ND	95.3	52.5	ug/L	55		SW846 8040A
	ND	95.4	63.4	ug/L	67	19	SW846 8040A
2,6-Dichlorophenol	ND	95.3	53.2	ug/L	56		SW846 8040A
	ND	95.4	63.9	ug/L	67	18	SW846 8040A
2,4-Dimethylphenol	ND	95.3	52.2	ug/L	55		SW846 8040A
	ND	95.4	62.3	ug/L	65	18	SW846 8040A
2,4-Dinitrophenol	ND	95.3	53.5	ug/L	56		SW846 8040A
	ND	95.4	66.0	ug/L	69 p	21	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	95.3	57.2	ug/L	60		SW846 8040A
	ND	95.4	72.6	ug/L	76 p	24	SW846 8040A
Dinoseb	ND	95.3	60.5	ug/L	64		SW846 8040A
	ND	95.4	77.4	ug/L	81 p	25	SW846 8040A
2-Nitrophenol	ND	95.3	54.5	ug/L	57		SW846 8040A
	ND	95.4	66.7	ug/L	70	20	SW846 8040A
4-Nitrophenol	ND	95.3	57.6	ug/L	60		SW846 8040A
	ND	95.4	71.4	ug/L	75 p	21	SW846 8040A
Pentachlorophenol	ND	95.3	53.2	ug/L	56		SW846 8040A
	ND	95.4	66.2	ug/L	69 p	22	SW846 8040A
Phenol	ND	95.3	52.8	ug/L	55		SW846 8040A
	ND	95.4	62.8	ug/L	66	17	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	95.3	50.9	ug/L	53		SW846 8040A
	ND	95.4	63.4	ug/L	66 p	22	SW846 8040A
2,4,5-Trichloro-phenol	ND	95.3	53.3	ug/L	56		SW846 8040A
	ND	95.4	64.8	ug/L	68	19	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMWPQ1CD-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1CE-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**95.3**	**53.8**	**ug/L**	**56**		**SW846 8040A**
	ND	**95.4**	**64.9**	**ug/L**	**68**	**19**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	59	(55 - 118)
	73	(55 - 118)
2-Fluorophenol	54	(40 - 98)
	63	(40 - 98)

NOTE(S):

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

Bold print denotes control parameters

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

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM4MC1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190250-012 JM4MC1AP-MSD
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/31/07 **Analysis Date..:** 02/01/07
Prep Batch #...: 7031376
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorophenol	ND	190	117	ug/L	62		SW846 8040A
	ND	190	139	ug/L	73	17	SW846 8040A
4-Chloro-3-methylphenol	ND	190	122	ug/L	64		SW846 8040A
	ND	190	142	ug/L	75	14	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	190	122	ug/L	64		SW846 8040A
	ND	190	142	ug/L	75	15	SW846 8040A
2-Methylphenol	ND	190	120	ug/L	63		SW846 8040A
	ND	190	140	ug/L	74	15	SW846 8040A
2,4-Dichlorophenol	ND	190	119	ug/L	63		SW846 8040A
	ND	190	139	ug/L	73	16	SW846 8040A
2,6-Dichlorophenol	ND	190	121	ug/L	64		SW846 8040A
	ND	190	141	ug/L	74	15	SW846 8040A
2,4-Dimethylphenol	ND	190	117	ug/L	62		SW846 8040A
	ND	190	136	ug/L	72	15	SW846 8040A
2,4-Dinitrophenol	ND	190	123	ug/L	65		SW846 8040A
	ND	190	142	ug/L	75	14	SW846 8040A
4,6-Dinitro-2-methylphenol	ND	190	137	ug/L	72		SW846 8040A
	ND	190	154	ug/L	81	12	SW846 8040A
Dinoseb	ND	190	146	ug/L	76		SW846 8040A
	ND	190	161	ug/L	85	10	SW846 8040A
2-Nitrophenol	ND	190	120	ug/L	63		SW846 8040A
	ND	190	145	ug/L	76	19	SW846 8040A
4-Nitrophenol	ND	190	135	ug/L	71		SW846 8040A
	ND	190	148	ug/L	78	9.3	SW846 8040A
Pentachlorophenol	ND	190	128	ug/L	68		SW846 8040A
	ND	190	143	ug/L	76	11	SW846 8040A
Phenol	ND	190	118	ug/L	62		SW846 8040A
	ND	190	138	ug/L	72	16	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	190	132	ug/L	70		SW846 8040A
	ND	190	148	ug/L	78	11	SW846 8040A
2,4,5-Trichloro-phenol	ND	190	120	ug/L	63		SW846 8040A
	ND	190	140	ug/L	74	15	SW846 8040A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM4MC1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190250-012 JM4MC1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,6-Trichloro-phenol	**ND**	**190**	**121**	**ug/L**	**64**		**SW846 8040A**
	ND	**190**	**140**	**ug/L**	**74**	**15**	**SW846 8040A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	68	(55 - 118)
	78	(55 - 118)
2-Fluorophenol	59	(40 - 98)
	70	(40 - 98)

NOTE(S):

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

Bold print denotes control parameters

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AN **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 02/06/07
Prep Batch #...: 7018063
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0052
4,4'-DDD	ND	0.050	ug/L	0.0040
4,4'-DDE	ND	0.050	ug/L	0.0082
4,4'-DDT	ND	0.050	ug/L	0.032
Endosulfan I	ND	0.050	ug/L	0.0061
Endosulfan II	ND	0.050	ug/L	0.0035
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0067
alpha-BHC	ND	0.050	ug/L	0.018
beta-BHC	ND	0.050	ug/L	0.0072
Endrin	ND	0.050	ug/L	0.0079
delta-BHC	ND	0.050	ug/L	0.0034
Heptachlor	ND	0.050	ug/L	0.0036
Heptachlor epoxide	ND	0.050	ug/L	0.0048
Methoxychlor	ND	0.10	ug/L	0.0081
Chlordane (technical)	ND	0.50	ug/L	0.044
Dieldrin	ND	0.050	ug/L	0.011
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND	0.050	ug/L	0.0048
Toxaphene	ND	2.0	ug/L	0.22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(57 - 141)
Decachlorobiphenyl	110	(66 - 136)

Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AN **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 02/06/07
Prep Batch #...: 7018063
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0052
4,4'-DDD	ND	0.050	ug/L	0.0040
4,4'-DDE	ND	0.050	ug/L	0.0082
4,4'-DDT	ND	0.050	ug/L	0.032
Endosulfan I	ND	0.050	ug/L	0.0061
Endosulfan II	ND	0.050	ug/L	0.0035
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0067
alpha-BHC	ND	0.050	ug/L	0.018
beta-BHC	ND	0.050	ug/L	0.0072
Endrin	ND	0.050	ug/L	0.0079
delta-BHC	ND	0.050	ug/L	0.0034
Heptachlor	ND	0.050	ug/L	0.0036
Heptachlor epoxide	ND	0.050	ug/L	0.0048
Methoxychlor	ND	0.10	ug/L	0.0081
Chlordane (technical)	ND	0.50	ug/L	0.044
Dieldrin	ND	0.050	ug/L	0.011
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND	0.050	ug/L	0.0048
Toxaphene	ND	2.0	ug/L	0.22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(57 - 141)
Decachlorobiphenyl	98	(66 - 136)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AN **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/18/07 **Analysis Date..:** 02/06/07
Prep Batch #...: 7018063
Dilution Factor: 1 **Method.....:** SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0052
4,4'-DDD	ND	0.050	ug/L	0.0040
4,4'-DDE	ND	0.050	ug/L	0.0082
4,4'-DDT	ND	0.050	ug/L	0.032
Endosulfan I	ND	0.050	ug/L	0.0061
Endosulfan II	ND	0.050	ug/L	0.0035
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0067
alpha-BHC	ND	0.050	ug/L	0.018
beta-BHC	ND	0.050	ug/L	0.0072
Endrin	ND	0.050	ug/L	0.0079
delta-BHC	ND	0.050	ug/L	0.0034
Heptachlor	ND	0.050	ug/L	0.0036
Heptachlor epoxide	ND	0.050	ug/L	0.0048
Methoxychlor	ND	0.10	ug/L	0.0081
Chlordane (technical)	ND	0.50	ug/L	0.044
Dieldrin	ND	0.050	ug/L	0.011
Endosulfan sulfate	ND	0.050	ug/L	0.017
Endrin aldehyde	ND	0.050	ug/L	0.0048
Toxaphene	ND	2.0	ug/L	0.22

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(57 - 141)
Decachlorobiphenyl	98	(66 - 136)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM1E31AA **Matrix.....:** WATER
MB Lot-Sample #: F7A180000-063

Prep Date.....: 01/18/07
Analysis Date..: 02/06/07 **Prep Batch #...:** 7018063
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(57 - 141)
Decachlorobiphenyl	116	(66 - 136)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM1E31AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A180000-063
Prep Date.....: 01/18/07 **Analysis Date..:** 02/06/07
Prep Batch #...: 7018063
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	**0.500**	**0.492**	**ug/L**	**98**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.534**	**ug/L**	**107**	**SW846 8081A**
4,4'-DDD	**0.500**	**0.499**	**ug/L**	**100**	**SW846 8081A**
4,4'-DDE	**0.500**	**0.500**	**ug/L**	**100**	**SW846 8081A**
Endosulfan I	**0.500**	**0.484**	**ug/L**	**97**	**SW846 8081A**
Endosulfan II	**0.500**	**0.483**	**ug/L**	**97**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.489**	**ug/L**	**98**	**SW846 8081A**
alpha-BHC	**0.500**	**0.496**	**ug/L**	**99**	**SW846 8081A**
Endrin	**0.500**	**0.500**	**ug/L**	**100**	**SW846 8081A**
beta-BHC	**0.500**	**0.470**	**ug/L**	**94**	**SW846 8081A**
Heptachlor	**0.500**	**0.522**	**ug/L**	**104**	**SW846 8081A**
delta-BHC	**0.500**	**0.512**	**ug/L**	**102**	**SW846 8081A**
Heptachlor epoxide	**0.500**	**0.496**	**ug/L**	**99**	**SW846 8081A**
Methoxychlor	**0.500**	**0.481**	**ug/L**	**96**	**SW846 8081A**
Dieldrin	**0.500**	**0.495**	**ug/L**	**99**	**SW846 8081A**
Endosulfan sulfate	**0.500**	**0.484**	**ug/L**	**97**	**SW846 8081A**
Endrin aldehyde	**0.500**	**0.475**	**ug/L**	**95**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(64 - 130)
Decachlorobiphenyl	102	(42 - 130)

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 #...: SL666 **Work Order #...:** JMWP11A0-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-004 JMWP11A1-MSD
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/18/07 **Analysis Date..:** 02/06/07
Prep Batch #...: 7018063
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.481	0.490	ug/L	102		SW846 8081A
	ND	0.478	0.499	ug/L	104	1.8	SW846 8081A
4,4'-DDT	ND	0.481	0.505	ug/L	105		SW846 8081A
	ND	0.478	0.537	ug/L	112	6.1	SW846 8081A
4,4'-DDD	ND	0.481	0.465	ug/L	97		SW846 8081A
	ND	0.478	0.516	ug/L	108	10	SW846 8081A
4,4'-DDE	ND	0.481	0.478	ug/L	99		SW846 8081A
	ND	0.478	0.502	ug/L	105	4.9	SW846 8081A
Endosulfan I	ND	0.481	0.464	ug/L	96		SW846 8081A
	ND	0.478	0.496	ug/L	104	6.7	SW846 8081A
Endosulfan II	ND	0.481	0.455	ug/L	95		SW846 8081A
	ND	0.478	0.491	ug/L	103	7.6	SW846 8081A
gamma-BHC (Lindane)	ND	0.481	0.489	ug/L	102		SW846 8081A
	ND	0.478	0.495	ug/L	104	1.2	SW846 8081A
alpha-BHC	ND	0.481	0.497	ug/L	103		SW846 8081A
	ND	0.478	0.502	ug/L	105	1.0	SW846 8081A
Endrin	ND	0.481	0.476	ug/L	99		SW846 8081A
	ND	0.478	0.510	ug/L	107	6.9	SW846 8081A
beta-BHC	ND	0.481	0.464	ug/L	96		SW846 8081A
	ND	0.478	0.470	ug/L	98	1.3	SW846 8081A
Heptachlor	ND	0.481	0.533	ug/L	111		SW846 8081A
	ND	0.478	0.521	ug/L	109	2.3	SW846 8081A
delta-BHC	ND	0.481	0.512	ug/L	106		SW846 8081A
	ND	0.478	0.525	ug/L	110	2.5	SW846 8081A
Heptachlor epoxide	ND	0.481	0.485	ug/L	101		SW846 8081A
	ND	0.478	0.500	ug/L	105	3.0	SW846 8081A
Methoxychlor	ND	0.481	0.458	ug/L	95		SW846 8081A
	ND	0.478	0.501	ug/L	105	9.0	SW846 8081A
Dieldrin	ND	0.481	0.472	ug/L	98		SW846 8081A
	ND	0.478	0.507	ug/L	106	7.2	SW846 8081A
Endosulfan sulfate	ND	0.481	0.458	ug/L	95		SW846 8081A
	ND	0.478	0.493	ug/L	103	7.4	SW846 8081A
Endrin aldehyde	ND	0.481	0.456	ug/L	95		SW846 8081A
	ND	0.478	0.486	ug/L	102	6.4	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(57 - 141)
	103	(57 - 141)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JMWP11A0-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-004 JMWP11A1-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	98	(66 - 136)
	103	(66 - 136)

NOTE(S):

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

Bold print denotes control parameters

PCBs

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AP **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/19/07 **Analysis Date..:** 01/24/07
Prep Batch #...: 7019339
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.44
Aroclor 1221	ND	1.0	ug/L	0.44
Aroclor 1232	ND	1.0	ug/L	0.44
Aroclor 1242	ND	1.0	ug/L	0.44
Aroclor 1248	ND	1.0	ug/L	0.44
Aroclor 1254	ND	1.0	ug/L	0.30
Aroclor 1260	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(70 - 143)

Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AP **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/19/07 **Analysis Date..:** 01/24/07
Prep Batch #...: 7019339
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.44
Aroclor 1221	ND	1.0	ug/L	0.44
Aroclor 1232	ND	1.0	ug/L	0.44
Aroclor 1242	ND	1.0	ug/L	0.44
Aroclor 1248	ND	1.0	ug/L	0.44
Aroclor 1254	ND	1.0	ug/L	0.30
Aroclor 1260	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(70 - 143)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AP **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/19/07 **Analysis Date..:** 01/24/07
Prep Batch #...: 7019339
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.44
Aroclor 1221	ND	1.0	ug/L	0.44
Aroclor 1232	ND	1.0	ug/L	0.44
Aroclor 1242	ND	1.0	ug/L	0.44
Aroclor 1248	ND	1.0	ug/L	0.44
Aroclor 1254	ND	1.0	ug/L	0.30
Aroclor 1260	ND	1.0	ug/L	0.30

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	78	(70 - 143)

Pacific Northwest National Laboratory

Client Sample ID: B1KT24

GC Semivolatiles

Lot-Sample #...: F7A190250-002 **Work Order #...:** JM4LV1AD **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/24/07 **Analysis Date..:** 01/31/07
Prep Batch #...: 7024404
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.27
Aroclor 1221	ND	1.0	ug/L	0.27
Aroclor 1232	ND	1.0	ug/L	0.27
Aroclor 1242	ND	1.0	ug/L	0.27
Aroclor 1248	ND	1.0	ug/L	0.27
Aroclor 1254	ND	1.0	ug/L	0.21
Aroclor 1260	ND	1.0	ug/L	0.21

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	109	(40 - 134)

Pacific Northwest National Laboratory

Client Sample ID: B1KT22

GC Semivolatiles

Lot-Sample #...: F7A190250-012 **Work Order #...:** JM4MC1AD **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/24/07 **Analysis Date..:** 01/31/07
Prep Batch #...: 7024404
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.27
Aroclor 1221	ND	1.0	ug/L	0.27
Aroclor 1232	ND	1.0	ug/L	0.27
Aroclor 1242	ND	1.0	ug/L	0.27
Aroclor 1248	ND	1.0	ug/L	0.27
Aroclor 1254	ND	1.0	ug/L	0.21
Aroclor 1260	ND	1.0	ug/L	0.21

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	99	(40 - 134)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM4J61AA **Matrix.....:** WATER
MB Lot-Sample #: F7A190000-339

Prep Date.....: 01/19/07
Analysis Date..: 01/24/07 **Prep Batch #...:** 7019339
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8082
Aroclor 1221	ND	1.0	ug/L	SW846 8082
Aroclor 1232	ND	1.0	ug/L	SW846 8082
Aroclor 1242	ND	1.0	ug/L	SW846 8082
Aroclor 1248	ND	1.0	ug/L	SW846 8082
Aroclor 1254	ND	1.0	ug/L	SW846 8082
Aroclor 1260	ND	1.0	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	102	(70 - 143)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JNCH41AA **Matrix.....:** WATER
MB Lot-Sample #: F7A240000-404

Prep Date.....: 01/24/07
Analysis Date..: 01/31/07 **Prep Batch #...:** 7024404
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	SW846 8082
Aroclor 1221	ND	1.0	ug/L	SW846 8082
Aroclor 1232	ND	1.0	ug/L	SW846 8082
Aroclor 1242	ND	1.0	ug/L	SW846 8082
Aroclor 1248	ND	1.0	ug/L	SW846 8082
Aroclor 1254	ND	1.0	ug/L	SW846 8082
Aroclor 1260	ND	1.0	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	102	(40 - 134)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM4J61AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A190000-339
Prep Date.....: 01/19/07 **Analysis Date..:** 01/24/07
Prep Batch #...: 7019339
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**5.00**	**4.30**	**ug/L**	**86**	**SW846 8082**
Aroclor 1260	**5.00**	**4.42**	**ug/L**	**88**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(60 - 130)

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 Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JNCH41AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A240000-404
Prep Date.....: 01/24/07 **Analysis Date..:** 01/31/07
Prep Batch #...: 7024404
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**5.00**	**4.86**	**ug/L**	**97**	**SW846 8082**
Aroclor 1260	**5.00**	**5.08**	**ug/L**	**102**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	107	(68 - 130)

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 #...: SL666 **Work Order #...:** JMX631AU-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A170164-002 JMX631AV-MSD
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/19/07 **Analysis Date..:** 01/24/07
Prep Batch #...: 7019339
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**4.77**	**3.47**	**ug/L**	**73**		**SW846 8082**
	ND	**4.78**	**3.67**	**ug/L**	**77**	**5.6**	**SW846 8082**
Aroclor 1260	**ND**	**4.77**	**3.95**	**ug/L**	**83**		**SW846 8082**
	ND	**4.78**	**3.98**	**ug/L**	**83**	**0.60**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	85	(70 - 143)
	83	(70 - 143)

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 #...: SL666 **Work Order #...:** JM4MC1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A190250-012 JM4MC1AM-MSD
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07
Prep Date.....: 01/24/07 **Analysis Date..:** 01/31/07
Prep Batch #...: 7024404
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**4.75**	**4.48**	**ug/L**	**94**		**SW846 8082**
	ND	**4.75**	**4.32**	**ug/L**	**91**	**3.6**	**SW846 8082**
Aroclor 1260	**ND**	**4.75**	**4.71**	**ug/L**	**99**		**SW846 8082**
	ND	**4.75**	**4.40**	**ug/L**	**93**	**6.9**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	107	(40 - 134)
	97	(40 - 134)

NOTE(S):

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

Bold print denotes control parameters

HERBICIDES

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

GC Semivolatiles

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ1AL **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/22/07 **Analysis Date..:** 02/07/07
Prep Batch #...: 7023316
Dilution Factor: 1 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4,5-T	ND	1.0	ug/L	0.17
2,4-D	ND	4.0	ug/L	1.3
Dinoseb	ND	1.0	ug/L	0.60
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	97	(50 - 150)

Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

GC Semivolatiles

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP11AL **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/22/07 **Analysis Date..:** 02/07/07
Prep Batch #...: 7023316
Dilution Factor: 1 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4,5-T	ND	1.0	ug/L	0.17
2,4-D	ND	4.0	ug/L	1.3
Dinoseb	ND	1.0	ug/L	0.60
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	86	(50 - 150)

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

GC Semivolatiles

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX631AL **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07
Prep Date.....: 01/22/07 **Analysis Date..:** 02/07/07
Prep Batch #...: 7023316
Dilution Factor: 1 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4,5-T	ND	1.0	ug/L	0.17
2,4-D	ND	4.0	ug/L	1.3
Dinoseb	ND	1.0	ug/L	0.60
2,4,5-TP (Silvex)	ND	1.0	ug/L	0.15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	87	(50 - 150)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM9DR1AA **Matrix.....:** WATER
MB Lot-Sample #: F7A230000-316

Prep Date.....: 01/22/07
Analysis Date..: 02/07/07 **Prep Batch #...:** 7023316
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	4.0	ug/L	SW846 8151A
Dinoseb	ND	1.0	ug/L	SW846 8151A
2,4,5-TP (Silvex)	ND	1.0	ug/L	SW846 8151A
2,4,5-T	ND	1.0	ug/L	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	91	(50 - 150)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL666 **Work Order #...:** JM9DR1AC **Matrix.....:** WATER
LCS Lot-Sample#: F7A230000-316
Prep Date.....: 01/22/07 **Analysis Date..:** 02/07/07
Prep Batch #...: 7023316
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4,5-TP (Silvex)	**2.50**	**2.80**	**ug/L**	**112**	**SW846 8151A**
2,4,5-T	**2.50**	**2.70**	**ug/L**	**108**	**SW846 8151A**
2,4-D	**25.0**	**27.2**	**ug/L**	**109**	**SW846 8151A**
Dinoseb	**12.5**	**11.7**	**ug/L**	**94**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	121	(74 - 128)

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 #...: SL666 **Work Order #...:** JMWPQ1AU-MS **Matrix.....:** WATER
MS Lot-Sample #: F7A160169-002 JMWPQ1AV-MSD
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07
Prep Date.....: 01/22/07 **Analysis Date..:** 02/07/07
Prep Batch #...: 7023316
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,5-TP (Silvex)	**ND**	**4.77**	**5.33**	**ug/L**	**112**		**SW846 8151A**
	ND	**4.77**	**5.36**	**ug/L**	**112**	**0.56**	**SW846 8151A**
2,4,5-T	**ND**	**4.77**	**5.07**	**ug/L**	**106**		**SW846 8151A**
	ND	**4.77**	**5.10**	**ug/L**	**107**	**0.59**	**SW846 8151A**
2,4-D	**ND**	**47.7**	**50.6**	**ug/L**	**106**		**SW846 8151A**
	ND	**47.7**	**49.9**	**ug/L**	**105**	**1.4**	**SW846 8151A**
Dinoseb	**ND**	**23.9**	**22.2**	**ug/L**	**93**		**SW846 8151A**
	ND	**23.9**	**22.3**	**ug/L**	**93**	**0.44**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	123	(50 - 150)
	118	(50 - 150)

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: B1L675

DISSOLVED Metals

Lot-Sample #...: F7A110212-001 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**57.0 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**31700**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**9.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**233 N**	**100**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**10700**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**38.3**	**15.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**45.7**	**40.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**4540 B**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1L675

DISSOLVED Metals

Lot-Sample #...: F7A110212-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**17300**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**125**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**11.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHH1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHH1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LT48

DISSOLVED Metals

Lot-Sample #...: F7A110212-003 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**25.6 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**32600**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	**3.0 B**	**25.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AJ**
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**113 N**	**100**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**8590**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**29.4**	**15.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6220**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LT48

DISSOLVED Metals

Lot-Sample #...: F7A110212-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**15400**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**163**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**30.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMPHL1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMPHL1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW4

DISSOLVED Metals

Lot-Sample #...: F7A110217-005 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7016160						
Mercury	ND	0.20	ug/L	SW846 7470A	01/16-01/18/07	JMPJT1AX
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**53.1 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**53900**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**36.1 B**	**100**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AN
		Dilution Factor: 1		MDL.....: 7.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LFW4

DISSOLVED Metals

Lot-Sample #...: F7A110217-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**8130**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPJT1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AQ
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**27300**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPJT1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**273**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**18.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJT1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJT1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPJT1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LFT2

DISSOLVED Metals

Lot-Sample #...: F7A110217-011 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7016160						
Mercury	ND	0.20	ug/L	SW846 7470A	01/16-01/18/07	JMPJ51AX
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**62.2 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**56100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**30.7 B**	**100**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17200**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**5.6 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AN
		Dilution Factor: 1		MDL.....: 7.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LFT2

DISSOLVED Metals

Lot-Sample #...: F7A110217-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**7210**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPJ51AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AQ
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**26100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPJ51AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**290**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**17.9 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPJ51AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMPJ51AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPJ51AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LFJ2

DISSOLVED Metals

Lot-Sample #...: F7A110217-017 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7016160						
Mercury	ND	0.20	ug/L	SW846 7470A	01/16-01/18/07	JMPKF1AX
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**62.8 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**58800**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AN
		Dilution Factor: 1		MDL.....: 7.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LFJ2

DISSOLVED Metals

Lot-Sample #...: F7A110217-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**5940**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPKF1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AQ
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**25500**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPKF1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**273**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**18.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPKF1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKF1AV
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7022186

Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPKF1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LHL1

DISSOLVED Metals

Lot-Sample #...: F7A110217-019 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JMPKH1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LHL1

DISSOLVED Metals

Lot-Sample #...: F7A110217-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JMPKH1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMPKH1AV
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7022186

Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPKH1AW
		Dilution Factor: 1		MDL.....: 0.49		

Pacific Northwest National Laboratory

Client Sample ID: B1LH75

DISSOLVED Metals

Lot-Sample #...: F7A110217-029 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPK31AC
		Dilution Factor: 1		MDL.....: 0.49		

Pacific Northwest National Laboratory

Client Sample ID: B1LHK7

DISSOLVED Metals

Lot-Sample #...: F7A110217-034 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**49.1 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPLC1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**59700**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPLC1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16000**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMPLC1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7930**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPLC1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LHK7

DISSOLVED Metals

Lot-Sample #...: F7A110217-034 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18300**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPLC1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**317**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPLC1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**23.6 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPLC1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMPLC1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPLC1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LFR1

DISSOLVED Metals

Lot-Sample #...: F7A110217-040 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7016160						
Mercury	ND	0.20	ug/L	SW846 7470A	01/16-01/18/07	JMPL41AX
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**61.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**51900**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**30.6 B**	**100**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17300**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMPL41AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AN
		Dilution Factor: 1		MDL.....: 7.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LFR1

DISSOLVED Metals

Lot-Sample #...: F7A110217-040 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**7370**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPL41AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMPL41AQ
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**26800**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMPL41AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**277**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**18.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**11.5 B**	**20.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMPL41AV**
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7022186

Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMPL41AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LC60

DISSOLVED Metals

Lot-Sample #...: F7A110225-002 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7024276						
Arsenic	**8.9 B**	**10.0**	**ug/L**	**SW846 6020**	**01/24-01/29/07**	**JMPMK1AC**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LJK0

DISSOLVED Metals

Lot-Sample #...: F7A130150-001 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**62.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMT4D1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**51600**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMT4D1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**4.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMT4D1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**17400**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMT4D1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6350**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMT4D1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LJK0

DISSOLVED Metals

Lot-Sample #...: F7A130150-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMT4D1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**234**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMT4D1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**31.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMT4D1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMT4D1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Arsenic	ND	10.0	ug/L	SW846 6020	01/22-01/29/07	JMT4D1AW
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LD46

DISSOLVED Metals

Lot-Sample #...: F7A130152-002 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**70.2 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**81300**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16500**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**9210**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD46

DISSOLVED Metals

Lot-Sample #...: F7A130152-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**27700**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**350**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**7.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4L1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4L1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LD50

DISSOLVED Metals

Lot-Sample #...: F7A130152-004 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND N	100	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD50

DISSOLVED Metals

Lot-Sample #...: F7A130152-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4N1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LD41

DISSOLVED Metals

Lot-Sample #...: F7A130152-006 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**34.6 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4Q1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**41100**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4Q1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**27.8 B,N**	**100**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4Q1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**9800**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4Q1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**5250**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMT4Q1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LD41

DISSOLVED Metals

Lot-Sample #...: F7A130152-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	15100	5000	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	184	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	9.5 B	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	11.3 B	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMT4Q1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRK9

DISSOLVED Metals

Lot-Sample #...: F7A160169-001 **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019113						
Mercury	ND	0.20	ug/L	SW846 7470A	01/19/07	JMWPN1AG
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Aluminum	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AH
		Dilution Factor: 1		MDL.....: 94.8		
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**48.3 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AK**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**51400**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AN**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**8.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AP**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	**17.3 B**	**25.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AR**
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**35.2 B**	**100**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AT**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**14400**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMWPN1AU**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1AV
		Dilution Factor: 1		MDL.....: 2.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LRK9

DISSOLVED Metals

Lot-Sample #...: F7A160169-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	**8.4 B**	**40.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1AW**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6470**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMWPN1AX**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPN1A0
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**27900**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMWPN1A1**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**284**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1A2**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**10.8 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1A3**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**17.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPN1A4**
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7022186

Selenium	**7.4**	**5.0**	**ug/L**	**SW846 6020**	**01/22-01/29/07**	**JMWPN1AD**
		Dilution Factor: 1		MDL.....: 1.0		
Thallium	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMWPN1AE
		Dilution Factor: 1		MDL.....: 0.32		
Tin	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMWPN1AF
		Dilution Factor: 1		MDL.....: 0.20		
Arsenic	ND	10.0	ug/L	SW846 6020	01/22-01/29/07	JMWPN1AA
		Dilution Factor: 1		MDL.....: 2.0		
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMWPN1AC
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LRL2

DISSOLVED Metals

Lot-Sample #...: F7A160169-003 **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019113						
Mercury	ND	0.20	ug/L	SW846 7470A	01/19/07	JMWPX1AM
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Aluminum	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AN
		Dilution Factor: 1		MDL.....: 94.8		
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AP
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**78.2 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPX1AQ**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AR
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AT
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**61100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPX1AU**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPX1AV**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AW
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AX
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1A0
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**18400**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMWPX1A1**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1A2
		Dilution Factor: 1		MDL.....: 2.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LRL2

DISSOLVED Metals

Lot-Sample #...: F7A160169-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1A3
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7920**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMWPX1A4**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AA
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**27300**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMWPX1AC**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**313**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPX1AD**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**18.2 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMWPX1AE**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMWPX1AF
		Dilution Factor: 1		MDL.....: 9.6		

Prep Batch #...: 7022186

Selenium	**6.6**	**5.0**	**ug/L**	**SW846 6020**	**01/22-01/29/07**	**JMWPX1AJ**
		Dilution Factor: 1		MDL.....: 1.0		
Thallium	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMWPX1AK
		Dilution Factor: 1		MDL.....: 0.32		
Tin	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMWPX1AL
		Dilution Factor: 1		MDL.....: 0.20		
Arsenic	**3.3 B**	**10.0**	**ug/L**	**SW846 6020**	**01/22-01/29/07**	**JMWPX1AG**
		Dilution Factor: 1		MDL.....: 2.0		
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMWPX1AH
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LH99

DISSOLVED Metals

Lot-Sample #...: F7A170162-005 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**44.5 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**50600**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND N	100	ug/L	SW846 6010B	01/19-01/22/07	JMX571AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**14400**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6580**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMX571AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LH99

DISSOLVED Metals

Lot-Sample #...: F7A170162-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**17700**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**250**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**18.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	**14.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX571AV**
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7024276						
Lead	ND	3.0	ug/L	SW846 6020	01/24-01/29/07	JMX571AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHH3

DISSOLVED Metals

Lot-Sample #...: F7A170162-011 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**41.2 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**57400**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**3.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**31.6 B,N**	**100**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**16600**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**7210**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LHH3

DISSOLVED Metals

Lot-Sample #...: F7A170162-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**16700**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**307**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**25.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX6N1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMX6N1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7024276						
Lead	ND	3.0	ug/L	SW846 6020	01/24-01/29/07	JMX6N1AW
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRK6

DISSOLVED Metals

Lot-Sample #...: F7A170164-001 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019113						
Mercury	ND	0.20	ug/L	SW846 7470A	01/19/07	JMX6X1AG
		Dilution Factor: 1		MDL.....: 0.093		
Prep Batch #...: 7022182						
Aluminum	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AH
		Dilution Factor: 1		MDL.....: 94.8		
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AJ
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**69.1 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMX6X1AK**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AL
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AM
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**57100**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMX6X1AN**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**12.4**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMX6X1AP**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AQ
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AR
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AT
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**18500**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JMX6X1AU**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AV
		Dilution Factor: 1		MDL.....: 2.5		

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Pacific Northwest National Laboratory

Client Sample ID: B1LRK6

DISSOLVED Metals

Lot-Sample #...: F7A170164-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1AW
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**6110**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMX6X1AX**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1A0
		Dilution Factor: 1		MDL.....: 5.2		
Sodium	**23900**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JMX6X1A1**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**276**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMX6X1A2**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**20.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JMX6X1A3**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JMX6X1A4
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Selenium	**5.3**	**5.0**	**ug/L**	**SW846 6020**	**01/22-01/29/07**	**JMX6X1AD**
		Dilution Factor: 1		MDL.....: 1.0		
Thallium	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMX6X1AE
		Dilution Factor: 1		MDL.....: 0.32		
Tin	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JMX6X1AF
		Dilution Factor: 1		MDL.....: 0.20		
Arsenic	**2.2 B**	**10.0**	**ug/L**	**SW846 6020**	**01/22-01/29/07**	**JMX6X1AA**
		Dilution Factor: 1		MDL.....: 2.0		
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JMX6X1AC
		Dilution Factor: 1		MDL.....: 0.49		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LC55

DISSOLVED Metals

Lot-Sample #...: F7A170165-001 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7024276						
Arsenic	**7.3 B**	**10.0**	**ug/L**	**SW846 6020**	**01/24-01/29/07**	**JMX7E1AC**
		Dilution Factor: 1		MDL.....: 2.0		

NOTE(S):

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LK14

DISSOLVED Metals

Lot-Sample #...: F7A170166-001 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**21.6 B**	**200**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**22400**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND N	100	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**4820 B**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	**7.4 B**	**15.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AM**
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1LK14

DISSOLVED Metals

Lot-Sample #...: F7A170166-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**2510 B**	**5000**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**91.3**	**50.0**	**ug/L**	**SW846 6010B**	**01/19-01/22/07**	**JMX7J1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JMX7J1AV
		Dilution Factor: 1		MDL.....: 9.6		

NOTE(S):

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1KT23

DISSOLVED Metals

Lot-Sample #...: F7A190250-001 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AC
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AF
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AG
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AK
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AL
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AN
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JM4LQ1AP
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1KT23

DISSOLVED Metals

Lot-Sample #...: F7A190250-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JM4LQ1AR
		Dilution Factor: 1		MDL.....: 110		
Strontium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AT
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AU
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JM4LQ1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JM4LQ1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7024202						
Mercury	ND	0.20	ug/L	SW846 7470A	01/26/07	JM4LQ1AX
		Dilution Factor: 1		MDL.....: 0.093		

Pacific Northwest National Laboratory

Client Sample ID: B1KT21

DISSOLVED Metals

Lot-Sample #...: F7A190250-011 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7022182						
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AA
		Dilution Factor: 1		MDL.....: 44.8		
Barium	**104 B**	**200**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AC**
		Dilution Factor: 1		MDL.....: 5.0		
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AD
		Dilution Factor: 1		MDL.....: 0.51		
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AE
		Dilution Factor: 1		MDL.....: 2.3		
Calcium	**135000**	**5000**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AF**
		Dilution Factor: 1		MDL.....: 36.0		
Chromium	**22.0**	**10.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AG**
		Dilution Factor: 1		MDL.....: 3.1		
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AH
		Dilution Factor: 1		MDL.....: 5.0		
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AJ
		Dilution Factor: 1		MDL.....: 2.8		
Iron	**36.1 B**	**100**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AK**
		Dilution Factor: 1		MDL.....: 25.0		
Magnesium	**35200**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/01/07**	**JM4MA1AL**
		Dilution Factor: 1		MDL.....: 108		
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AM
		Dilution Factor: 1		MDL.....: 2.5		
Nickel	**70.6**	**40.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AN**
		Dilution Factor: 1		MDL.....: 7.5		
Potassium	**11200**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JM4MA1AP**
		Dilution Factor: 1		MDL.....: 1500		
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AQ
		Dilution Factor: 1		MDL.....: 5.2		

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Pacific Northwest National Laboratory

Client Sample ID: B1KT21

DISSOLVED Metals

Lot-Sample #...: F7A190250-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	**26600**	**5000**	**ug/L**	**SW846 6010B**	**01/22-02/07/07**	**JM4MA1AR**
		Dilution Factor: 1		MDL.....: 110		
Strontium	**694**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AT**
		Dilution Factor: 1		MDL.....: 0.56		
Vanadium	**14.0 B**	**50.0**	**ug/L**	**SW846 6010B**	**01/22-01/31/07**	**JM4MA1AU**
		Dilution Factor: 1		MDL.....: 5.9		
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JM4MA1AV
		Dilution Factor: 1		MDL.....: 9.6		
Prep Batch #...: 7022186						
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JM4MA1AW
		Dilution Factor: 1		MDL.....: 0.49		
Prep Batch #...: 7024202						
Mercury	ND	0.20	ug/L	SW846 7470A	01/26/07	JM4MA1AX
		Dilution Factor: 1		MDL.....: 0.093		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7A160000-160 **Prep Batch #...:** 7016160						
Mercury	ND	0.20	ug/L	SW846 7470A	01/16-01/18/07	JMWRG1AA
		Dilution Factor: 1				
MB Lot-Sample #: F7A190000-113 **Prep Batch #...:** 7019113						
Mercury	ND	0.20	ug/L	SW846 7470A	01/19/07	JM3HJ1AA
		Dilution Factor: 1				
MB Lot-Sample #: F7A190000-215 **Prep Batch #...:** 7019215						
Antimony	ND	60.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AA
		Dilution Factor: 1				
Barium	ND	200	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AM
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AU
		Dilution Factor: 1				
Zinc	ND	20.0	ug/L	SW846 6010B	01/19-01/22/07	JM30R1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7A220000-186 **Prep Batch #...:** 7022186

Selenium	ND	5.0	ug/L	SW846 6020	01/22-01/29/07	JM6H81AD
		Dilution Factor: 1				
Thallium	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JM6H81AE
		Dilution Factor: 1				
Tin	ND	2.0	ug/L	SW846 6020	01/22-01/29/07	JM6H81AF
		Dilution Factor: 1				
Arsenic	ND	10.0	ug/L	SW846 6020	01/22-01/29/07	JM6H81AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6020	01/22-01/29/07	JM6H81AC
		Dilution Factor: 1				

MB Lot-Sample #: F7A220000-182 **Prep Batch #...:** 7022182

Aluminum	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AW
		Dilution Factor: 1				
Antimony	ND	60.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AA
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	ND	200	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AC
		Dilution Factor: 1				
Beryllium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AD
		Dilution Factor: 1				
Cadmium	ND	5.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AE
		Dilution Factor: 1				
Calcium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AF
		Dilution Factor: 1				
Chromium	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AG
		Dilution Factor: 1				
Cobalt	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AH
		Dilution Factor: 1				
Copper	ND	25.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AJ
		Dilution Factor: 1				
Iron	ND	100	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AK
		Dilution Factor: 1				
Magnesium	ND	5000	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AL
		Dilution Factor: 1				
Manganese	ND	15.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AM
		Dilution Factor: 1				
Nickel	ND	40.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AN
		Dilution Factor: 1				
Potassium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JM6JJ1AP
		Dilution Factor: 1				
Silver	ND	10.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AQ
		Dilution Factor: 1				
Sodium	ND	5000	ug/L	SW846 6010B	01/22-02/07/07	JM6JJ1AR
		Dilution Factor: 1				
Strontium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AT
		Dilution Factor: 1				
Vanadium	ND	50.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AU
		Dilution Factor: 1				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010B	01/22-01/31/07	JM6JJ1AV
		Dilution Factor: 1				

MB Lot-Sample #: F7A240000-202 **Prep Batch #...:** 7024202

Mercury	ND	0.20	ug/L	SW846 7470A	01/26/07	JM9X81AA
		Dilution Factor: 1				

MB Lot-Sample #: F7A240000-276 **Prep Batch #...:** 7024276

Arsenic	ND	10.0	ug/L	SW846 6020	01/24-01/29/07	JM9951AA
		Dilution Factor: 1				
Lead	ND	3.0	ug/L	SW846 6020	01/24-01/29/07	JM9951AC
		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 #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7A160000-160 **Prep Batch #...:** 7016160							
Mercury	1.00	0.978	ug/L	98	SW846 7470A	01/16-01/18/07	JMWRG1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7A190000-113 **Prep Batch #...:** 7019113							
Mercury	1.00	1.12	ug/L	112	SW846 7470A	01/19/07	JM3HJ1AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7A190000-215 **Prep Batch #...:** 7019215							
Antimony	500	528	ug/L	106	SW846 6010B	01/19-01/22/07	JM30R1CH
			Dilution Factor: 1				
Barium	500	523	ug/L	105	SW846 6010B	01/19-01/22/07	JM30R1CJ
			Dilution Factor: 1				
Beryllium	500	557	ug/L	111	SW846 6010B	01/19-01/22/07	JM30R1CK
			Dilution Factor: 1				
Cadmium	500	537	ug/L	107	SW846 6010B	01/19-01/22/07	JM30R1CL
			Dilution Factor: 1				
Calcium	10000	10800	ug/L	108	SW846 6010B	01/19-01/22/07	JM30R1CM
			Dilution Factor: 1				
Chromium	500	525	ug/L	105	SW846 6010B	01/19-01/22/07	JM30R1CN
			Dilution Factor: 1				
Cobalt	500	522	ug/L	104	SW846 6010B	01/19-01/22/07	JM30R1CP
			Dilution Factor: 1				
Copper	500	517	ug/L	103	SW846 6010B	01/19-01/22/07	JM30R1CQ
			Dilution Factor: 1				
Iron	500	547	ug/L	109	SW846 6010B	01/19-01/22/07	JM30R1CR
			Dilution Factor: 1				
Magnesium	10000	10900	ug/L	109	SW846 6010B	01/19-01/22/07	JM30R1CT
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	500	529	ug/L	106	SW846 6010B	01/19-01/22/07	JM30R1CU
			Dilution Factor: 1				
Nickel	500	522	ug/L	104	SW846 6010B	01/19-01/22/07	JM30R1CV
			Dilution Factor: 1				
Potassium	10000	10300	ug/L	103	SW846 6010B	01/19-01/22/07	JM30R1CW
			Dilution Factor: 1				
Silver	125	133	ug/L	106	SW846 6010B	01/19-01/22/07	JM30R1CX
			Dilution Factor: 1				
Sodium	10000	10400	ug/L	104	SW846 6010B	01/19-01/22/07	JM30R1C0
			Dilution Factor: 1				
Strontium	500	534	ug/L	107	SW846 6010B	01/19-01/22/07	JM30R1C1
			Dilution Factor: 1				
Vanadium	500	525	ug/L	105	SW846 6010B	01/19-01/22/07	JM30R1C2
			Dilution Factor: 1				
Zinc	500	501	ug/L	100	SW846 6010B	01/19-01/22/07	JM30R1C3
			Dilution Factor: 1				

LCS Lot-Sample#: F7A220000-182 **Prep Batch #...:** 7022182

Aluminum	500	588	ug/L	118	SW846 6010B	01/22-01/31/07	JM6JJ1CJ
			Dilution Factor: 1				
Antimony	500	531	ug/L	106	SW846 6010B	01/22-01/31/07	JM6JJ1AX
			Dilution Factor: 1				
Barium	500	526	ug/L	105	SW846 6010B	01/22-01/31/07	JM6JJ1A0
			Dilution Factor: 1				
Beryllium	500	560	ug/L	112	SW846 6010B	01/22-01/31/07	JM6JJ1A1
			Dilution Factor: 1				
Cadmium	500	542	ug/L	108	SW846 6010B	01/22-01/31/07	JM6JJ1A2
			Dilution Factor: 1				
Calcium	10000	10800	ug/L	108	SW846 6010B	01/22-01/31/07	JM6JJ1A3
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	500	534	ug/L	107	SW846 6010B	01/22-01/31/07	JM6JJ1A4
			Dilution Factor: 1				
Cobalt	500	533	ug/L	107	SW846 6010B	01/22-01/31/07	JM6JJ1A5
			Dilution Factor: 1				
Copper	500	519	ug/L	104	SW846 6010B	01/22-01/31/07	JM6JJ1A6
			Dilution Factor: 1				
Iron	500	599	ug/L	120	SW846 6010B	01/22-01/31/07	JM6JJ1A7
			Dilution Factor: 1				
Magnesium	10000	10900	ug/L	109	SW846 6010B	01/22-01/31/07	JM6JJ1A8
			Dilution Factor: 1				
Manganese	500	538	ug/L	108	SW846 6010B	01/22-01/31/07	JM6JJ1A9
			Dilution Factor: 1				
Nickel	500	528	ug/L	106	SW846 6010B	01/22-01/31/07	JM6JJ1CA
			Dilution Factor: 1				
Potassium	10000	10200	ug/L	102	SW846 6010B	01/22-02/07/07	JM6JJ1CC
			Dilution Factor: 1				
Silver	125	131	ug/L	105	SW846 6010B	01/22-01/31/07	JM6JJ1CD
			Dilution Factor: 1				
Sodium	10000	10500	ug/L	105	SW846 6010B	01/22-02/07/07	JM6JJ1CE
			Dilution Factor: 1				
Strontium	500	538	ug/L	108	SW846 6010B	01/22-01/31/07	JM6JJ1CF
			Dilution Factor: 1				
Vanadium	500	533	ug/L	107	SW846 6010B	01/22-01/31/07	JM6JJ1CG
			Dilution Factor: 1				
Zinc	500	505	ug/L	101	SW846 6010B	01/22-01/31/07	JM6JJ1CH
			Dilution Factor: 1				

LCS Lot-Sample#: F7A220000-186 **Prep Batch #...:** 7022186

Selenium	500	469	ug/L	94	SW846 6020	01/22-01/29/07	JM6H81AJ
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	500	485	ug/L	97	SW846 6020	01/22-01/29/07	JM6H81AK
			Dilution Factor: 1				
Tin	1000	1010	ug/L	101	SW846 6020	01/22-01/29/07	JM6H81AL
			Dilution Factor: 1				
Arsenic	500	492	ug/L	98	SW846 6020	01/22-01/29/07	JM6H81AG
			Dilution Factor: 1				
Lead	500	506	ug/L	101	SW846 6020	01/22-01/29/07	JM6H81AH
			Dilution Factor: 1				
LCS Lot-Sample#: F7A240000-202 **Prep Batch #...:** 7024202							
Mercury	1.00	0.874	ug/L	87	SW846 7470A	01/26/07	JM9X81AC
			Dilution Factor: 1				
LCS Lot-Sample#: F7A240000-276 **Prep Batch #...:** 7024276							
Arsenic	500	505	ug/L	101	SW846 6020	01/24-01/29/07	JM9951AD
			Dilution Factor: 1				
Lead	500	538	ug/L	108	SW846 6020	01/24-01/29/07	JM9951AE
			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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/04/07 **Date Received..:** 01/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A050284-009 **Prep Batch #...:** 7022182									
Antimony									
	ND	250	260	ug/L	104		SW846 6010B	01/22-01/31/07	JMGWQ1AW
	ND	250	264	ug/L	105	1.4	SW846 6010B	01/22-01/31/07	JMGWQ1AX
			Dilution Factor: 1						
Barium									
	48.8	1000	1070	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1A0
	48.8	1000	1090	ug/L	105	2.2	SW846 6010B	01/22-01/31/07	JMGWQ1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.1	ug/L	108		SW846 6010B	01/22-01/31/07	JMGWQ1A2
	ND	25.0	27.6	ug/L	111	1.9	SW846 6010B	01/22-01/31/07	JMGWQ1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.5	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1A4
	ND	25.0	25.9	ug/L	103	1.6	SW846 6010B	01/22-01/31/07	JMGWQ1A5
			Dilution Factor: 1						
Calcium									
	33500	25000	59000	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1A6
	33500	25000	60500	ug/L	108	2.5	SW846 6010B	01/22-01/31/07	JMGWQ1A7
			Dilution Factor: 1						
Chromium									
	124	100	225	ug/L	101		SW846 6010B	01/22-01/31/07	JMGWQ1A8
	124	100	231	ug/L	108	2.8	SW846 6010B	01/22-01/31/07	JMGWQ1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	254	ug/L	101		SW846 6010B	01/22-01/31/07	JMGWQ1CA
	ND	250	260	ug/L	104	2.4	SW846 6010B	01/22-01/31/07	JMGWQ1CC
			Dilution Factor: 1						
Copper									
	ND	125	127	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1CD
	ND	125	131	ug/L	105	2.4	SW846 6010B	01/22-01/31/07	JMGWQ1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/04/07 **Date Received..:** 01/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	567	ug/L	113		SW846 6010B	01/22-01/31/07	JMGWQ1CF
	ND	500	601	ug/L	120	5.8	SW846 6010B	01/22-01/31/07	JMGWQ1CG
			Dilution Factor: 1						
Magnesium									
	10600	25000	36200	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1CH
	10600	25000	37000	ug/L	105	2.2	SW846 6010B	01/22-01/31/07	JMGWQ1CJ
			Dilution Factor: 1						
Manganese									
	3.3	250	258	ug/L	102		SW846 6010B	01/22-01/31/07	JMGWQ1CK
	3.3	250	264	ug/L	104	2.2	SW846 6010B	01/22-01/31/07	JMGWQ1CL
			Dilution Factor: 1						
Nickel									
	ND	250	252	ug/L	101		SW846 6010B	01/22-01/31/07	JMGWQ1CM
	ND	250	257	ug/L	103	2.0	SW846 6010B	01/22-01/31/07	JMGWQ1CN
			Dilution Factor: 1						
Potassium									
	3380	25000	30000	ug/L	107		SW846 6010B	01/22-02/07/07	JMGWQ1CP
	3380	25000	29500	ug/L	105	1.6	SW846 6010B	01/22-02/07/07	JMGWQ1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	25.7	ug/L	103		SW846 6010B	01/22-01/31/07	JMGWQ1CR
	ND	25.0	26.7	ug/L	107	4.0	SW846 6010B	01/22-01/31/07	JMGWQ1CT
			Dilution Factor: 1						
Sodium									
	31300	25000	57600	ug/L	105		SW846 6010B	01/22-02/07/07	JMGWQ1CU
	31300	25000	56400	ug/L	100	2.2	SW846 6010B	01/22-02/07/07	JMGWQ1CV
			Dilution Factor: 1						
Strontium									
	144	500	668	ug/L	105		SW846 6010B	01/22-01/31/07	JMGWQ1CW
	144	500	685	ug/L	108	2.6	SW846 6010B	01/22-01/31/07	JMGWQ1CX
			Dilution Factor: 1						
Vanadium									
	24.6	250	283	ug/L	103		SW846 6010B	01/22-01/31/07	JMGWQ1C0
	24.6	250	290	ug/L	106	2.6	SW846 6010B	01/22-01/31/07	JMGWQ1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/04/07 **Date Received..:** 01/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	244	ug/L	97		SW846 6010B	01/22-01/31/07	JMGWQ1C2
	ND	250	251	ug/L	101	3.1	SW846 6010B	01/22-01/31/07	JMGWQ1C3

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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

MS Lot-Sample #: F7A110212-001 **Prep Batch #...:** 7019215

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	250	256	ug/L	102		SW846 6010B	01/19-01/22/07	JMPHH1AW
	ND	250	250	ug/L	100	2.3	SW846 6010B	01/19-01/22/07	JMPHH1AX
			Dilution Factor: 1						
Barium									
	57.0	1000	1060	ug/L	101		SW846 6010B	01/19-01/22/07	JMPHH1A0
	57.0	1000	1060	ug/L	100	0.87	SW846 6010B	01/19-01/22/07	JMPHH1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	27.3	ug/L	109		SW846 6010B	01/19-01/22/07	JMPHH1A2
	ND	25.0	26.9	ug/L	108	1.4	SW846 6010B	01/19-01/22/07	JMPHH1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.8	ug/L	103		SW846 6010B	01/19-01/22/07	JMPHH1A4
	ND	25.0	25.2	ug/L	101	2.2	SW846 6010B	01/19-01/22/07	JMPHH1A5
			Dilution Factor: 1						
Calcium									
	31700	25000	57200	ug/L	102		SW846 6010B	01/19-01/22/07	JMPHH1A6
	31700	25000	56600	ug/L	100	0.97	SW846 6010B	01/19-01/22/07	JMPHH1A7
			Dilution Factor: 1						
Chromium									
	9.3	100	114	ug/L	104		SW846 6010B	01/19-01/22/07	JMPHH1A8
	9.3	100	114	ug/L	105	0.36	SW846 6010B	01/19-01/22/07	JMPHH1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	251	ug/L	100		SW846 6010B	01/19-01/22/07	JMPHH1CA
	ND	250	247	ug/L	99	1.5	SW846 6010B	01/19-01/22/07	JMPHH1CC
			Dilution Factor: 1						
Copper									
	ND	125	127	ug/L	101		SW846 6010B	01/19-01/22/07	JMPHH1CD
	ND	125	125	ug/L	100	1.3	SW846 6010B	01/19-01/22/07	JMPHH1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	233	500	825	ug/L	118		SW846 6010B	01/19-01/22/07	JMPHH1CF
	233	500	867 N	ug/L	127	5.0	SW846 6010B	01/19-01/22/07	JMPHH1CG
			Dilution Factor: 1						
Magnesium									
	10700	25000	36600	ug/L	104		SW846 6010B	01/19-01/22/07	JMPHH1CH
	10700	25000	36100	ug/L	102	1.4	SW846 6010B	01/19-01/22/07	JMPHH1CJ
			Dilution Factor: 1						
Manganese									
	38.3	250	291	ug/L	101		SW846 6010B	01/19-01/22/07	JMPHH1CK
	38.3	250	288	ug/L	100	1.2	SW846 6010B	01/19-01/22/07	JMPHH1CL
			Dilution Factor: 1						
Nickel									
	45.7	250	293	ug/L	99		SW846 6010B	01/19-01/22/07	JMPHH1CM
	45.7	250	288	ug/L	97	1.7	SW846 6010B	01/19-01/22/07	JMPHH1CN
			Dilution Factor: 1						
Potassium									
	4540	25000	30200	ug/L	103		SW846 6010B	01/19-01/22/07	JMPHH1CP
	4540	25000	30700	ug/L	105	1.7	SW846 6010B	01/19-01/22/07	JMPHH1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	25.8	ug/L	103		SW846 6010B	01/19-01/22/07	JMPHH1CR
	ND	25.0	25.5	ug/L	102	1.4	SW846 6010B	01/19-01/22/07	JMPHH1CT
			Dilution Factor: 1						
Sodium									
	17300	25000	44000	ug/L	107		SW846 6010B	01/19-01/22/07	JMPHH1CU
	17300	25000	44200	ug/L	108	0.34	SW846 6010B	01/19-01/22/07	JMPHH1CV
			Dilution Factor: 1						
Strontium									
	125	500	641	ug/L	103		SW846 6010B	01/19-01/22/07	JMPHH1CW
	125	500	636	ug/L	102	0.75	SW846 6010B	01/19-01/22/07	JMPHH1CX
			Dilution Factor: 1						
Vanadium									
	11.1	250	262	ug/L	100		SW846 6010B	01/19-01/22/07	JMPHH1C0
	11.1	250	261	ug/L	100	0.32	SW846 6010B	01/19-01/22/07	JMPHH1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	245	ug/L	98		SW846 6010B	01/19-01/22/07	JMPHH1C2
	ND	250	241	ug/L	96	1.4	SW846 6010B	01/19-01/22/07	JMPHH1C3

Dilution Factor: 1

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A110217-011 **Prep Batch #...:** 7016160									
Mercury									
	ND	1.00	0.957	ug/L	96		SW846 7470A	01/16-01/18/07	JMPJ51C8
	ND	1.00	0.990	ug/L	99	3.4	SW846 7470A	01/16-01/18/07	JMPJ51C9
			Dilution Factor: 1						
MS Lot-Sample #: F7A110217-011 **Prep Batch #...:** 7022182									
Antimony									
	ND	250	269	ug/L	108		SW846 6010B	01/22-01/31/07	JMPJ51A0
	ND	250	263	ug/L	105	2.3	SW846 6010B	01/22-01/31/07	JMPJ51A1
			Dilution Factor: 1						
Barium									
	62.2	1000	1130	ug/L	107		SW846 6010B	01/22-01/31/07	JMPJ51A2
	62.2	1000	1120	ug/L	105	1.3	SW846 6010B	01/22-01/31/07	JMPJ51A3
			Dilution Factor: 1						
Beryllium									
	ND	25.0	28.2	ug/L	113		SW846 6010B	01/22-01/31/07	JMPJ51A4
	ND	25.0	28.1	ug/L	112	0.35	SW846 6010B	01/22-01/31/07	JMPJ51A5
			Dilution Factor: 1						
Cadmium									
	ND	25.0	26.7	ug/L	107		SW846 6010B	01/22-01/31/07	JMPJ51A6
	ND	25.0	26.4	ug/L	106	0.94	SW846 6010B	01/22-01/31/07	JMPJ51A7
			Dilution Factor: 1						
Calcium									
	56100	25000	82700	ug/L	107		SW846 6010B	01/22-01/31/07	JMPJ51A8
	56100	25000	81800	ug/L	103	1.1	SW846 6010B	01/22-01/31/07	JMPJ51A9
			Dilution Factor: 1						
Chromium									
	3.6	100	111	ug/L	108		SW846 6010B	01/22-01/31/07	JMPJ51CA
	3.6	100	110	ug/L	106	1.6	SW846 6010B	01/22-01/31/07	JMPJ51CC
			Dilution Factor: 1						
Cobalt									
	ND	250	266	ug/L	106		SW846 6010B	01/22-01/31/07	JMPJ51CD
	ND	250	263	ug/L	105	1.0	SW846 6010B	01/22-01/31/07	JMPJ51CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper									
	ND	125	134	ug/L	107		SW846 6010B	01/22-01/31/07	JMPJ51CF
	ND	125	132	ug/L	106	1.4	SW846 6010B	01/22-01/31/07	JMPJ51CG
			Dilution Factor: 1						
Iron									
	30.7	500	596	ug/L	113		SW846 6010B	01/22-01/31/07	JMPJ51CH
	30.7	500	577	ug/L	109	3.3	SW846 6010B	01/22-01/31/07	JMPJ51CJ
			Dilution Factor: 1						
Magnesium									
	17200	25000	43700	ug/L	106		SW846 6010B	01/22-01/31/07	JMPJ51CK
	17200	25000	43400	ug/L	105	0.65	SW846 6010B	01/22-01/31/07	JMPJ51CL
			Dilution Factor: 1						
Manganese									
	5.6	250	271	ug/L	106		SW846 6010B	01/22-01/31/07	JMPJ51CM
	5.6	250	269	ug/L	106	0.69	SW846 6010B	01/22-01/31/07	JMPJ51CN
			Dilution Factor: 1						
Nickel									
	ND	250	261	ug/L	104		SW846 6010B	01/22-01/31/07	JMPJ51CP
	ND	250	260	ug/L	104	0.27	SW846 6010B	01/22-01/31/07	JMPJ51CQ
			Dilution Factor: 1						
Potassium									
	7210	25000	32900	ug/L	103		SW846 6010B	01/22-02/07/07	JMPJ51CR
	7210	25000	32300	ug/L	100	2.0	SW846 6010B	01/22-02/07/07	JMPJ51CT
			Dilution Factor: 1						
Silver									
	ND	25.0	27.9	ug/L	112		SW846 6010B	01/22-01/31/07	JMPJ51CU
	ND	25.0	26.4	ug/L	105	5.6	SW846 6010B	01/22-01/31/07	JMPJ51CV
			Dilution Factor: 1						
Sodium									
	26100	25000	52200	ug/L	104		SW846 6010B	01/22-02/07/07	JMPJ51CW
	26100	25000	51200	ug/L	100	1.9	SW846 6010B	01/22-02/07/07	JMPJ51CX
			Dilution Factor: 1						
Strontium									
	290	500	839	ug/L	110		SW846 6010B	01/22-01/31/07	JMPJ51C0
	290	500	829	ug/L	108	1.3	SW846 6010B	01/22-01/31/07	JMPJ51C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	17.9	250	288	ug/L	108		SW846 6010B	01/22-01/31/07	JMPJ51C2
	17.9	250	286	ug/L	107	0.99	SW846 6010B	01/22-01/31/07	JMPJ51C3
			Dilution Factor: 1						
Zinc									
	ND	250	254	ug/L	102		SW846 6010B	01/22-01/31/07	JMPJ51C4
	ND	250	252	ug/L	101	0.85	SW846 6010B	01/22-01/31/07	JMPJ51C5
			Dilution Factor: 1						

MS Lot-Sample #: F7A110217-011 **Prep Batch #...:** 7022186

Lead									
	ND	250	255	ug/L	102		SW846 6020	01/22-01/29/07	JMPJ51C6
	ND	250	255	ug/L	102	0.17	SW846 6020	01/22-01/29/07	JMPJ51C7
			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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A110225-002 **Prep Batch #...:** 7024276									
Arsenic									
	8.9	1000	994	ug/L	98		SW846 6020	01/24-01/29/07	JMPMK1AD
	8.9	1000	925	ug/L	92	7.2	SW846 6020	01/24-01/29/07	JMPMK1AE

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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A130152-002 **Prep Batch #...:** 7019215									
Antimony									
	ND	250	239	ug/L	96		SW846 6010B	01/19-01/22/07	JMT4L1AW
	ND	250	250	ug/L	100	4.6	SW846 6010B	01/19-01/22/07	JMT4L1AX
			Dilution Factor: 1						
Barium									
	70.2	1000	1060	ug/L	99		SW846 6010B	01/19-01/22/07	JMT4L1A0
	70.2	1000	1060	ug/L	99	0.67	SW846 6010B	01/19-01/22/07	JMT4L1A1
			Dilution Factor: 1						
Beryllium									
	ND	25.0	26.7	ug/L	107		SW846 6010B	01/19-01/22/07	JMT4L1A2
	ND	25.0	27.1	ug/L	108	1.2	SW846 6010B	01/19-01/22/07	JMT4L1A3
			Dilution Factor: 1						
Cadmium									
	ND	25.0	25.1	ug/L	100		SW846 6010B	01/19-01/22/07	JMT4L1A4
	ND	25.0	25.2	ug/L	101	0.47	SW846 6010B	01/19-01/22/07	JMT4L1A5
			Dilution Factor: 1						
Calcium									
	81300	25000	104000	ug/L	90		SW846 6010B	01/19-01/22/07	JMT4L1A6
	81300	25000	104000	ug/L	90	0.10	SW846 6010B	01/19-01/22/07	JMT4L1A7
			Dilution Factor: 1						
Chromium									
	ND	100	102	ug/L	102		SW846 6010B	01/19-01/22/07	JMT4L1A8
	ND	100	103	ug/L	103	0.15	SW846 6010B	01/19-01/22/07	JMT4L1A9
			Dilution Factor: 1						
Cobalt									
	ND	250	242	ug/L	97		SW846 6010B	01/19-01/22/07	JMT4L1CA
	ND	250	243	ug/L	97	0.68	SW846 6010B	01/19-01/22/07	JMT4L1CC
			Dilution Factor: 1						
Copper									
	ND	125	125	ug/L	100		SW846 6010B	01/19-01/22/07	JMT4L1CD
	ND	125	124	ug/L	99	0.58	SW846 6010B	01/19-01/22/07	JMT4L1CE
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron									
	ND	500	603	ug/L	121		SW846 6010B	01/19-01/22/07	JMT4L1CF
	ND	500	558	ug/L	112	7.6	SW846 6010B	01/19-01/22/07	JMT4L1CG
			Dilution Factor: 1						
Magnesium									
	16500	25000	41400	ug/L	99		SW846 6010B	01/19-01/22/07	JMT4L1CH
	16500	25000	41500	ug/L	100	0.18	SW846 6010B	01/19-01/22/07	JMT4L1CJ
			Dilution Factor: 1						
Manganese									
	ND	250	249	ug/L	100		SW846 6010B	01/19-01/22/07	JMT4L1CK
	ND	250	250	ug/L	100	0.49	SW846 6010B	01/19-01/22/07	JMT4L1CL
			Dilution Factor: 1						
Nickel									
	ND	250	242	ug/L	97		SW846 6010B	01/19-01/22/07	JMT4L1CM
	ND	250	245	ug/L	98	0.99	SW846 6010B	01/19-01/22/07	JMT4L1CN
			Dilution Factor: 1						
Potassium									
	9210	25000	34700	ug/L	102		SW846 6010B	01/19-01/22/07	JMT4L1CP
	9210	25000	32600	ug/L	93	6.5	SW846 6010B	01/19-01/22/07	JMT4L1CQ
			Dilution Factor: 1						
Silver									
	ND	25.0	23.7	ug/L	95		SW846 6010B	01/19-01/22/07	JMT4L1CR
	ND	25.0	25.2	ug/L	101	6.3	SW846 6010B	01/19-01/22/07	JMT4L1CT
			Dilution Factor: 1						
Sodium									
	27700	25000	53100	ug/L	102		SW846 6010B	01/19-01/22/07	JMT4L1CU
	27700	25000	54200	ug/L	106	2.0	SW846 6010B	01/19-01/22/07	JMT4L1CV
			Dilution Factor: 1						
Strontium									
	350	500	846	ug/L	99		SW846 6010B	01/19-01/22/07	JMT4L1CW
	350	500	849	ug/L	100	0.40	SW846 6010B	01/19-01/22/07	JMT4L1CX
			Dilution Factor: 1						
Vanadium									
	7.4	250	258	ug/L	100		SW846 6010B	01/19-01/22/07	JMT4L1C0
	7.4	250	260	ug/L	101	1.0	SW846 6010B	01/19-01/22/07	JMT4L1C1
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	250	242	ug/L	97		SW846 6010B	01/19-01/22/07	JMT4L1C2
	ND	250	242	ug/L	97	0.28	SW846 6010B	01/19-01/22/07	JMT4L1C3

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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A160169-001 **Prep Batch #...:** 7019113									
Mercury									
	ND	1.00	1.02	ug/L	102		SW846 7470A	01/19/07	JMWPN1A5
	ND	1.00	1.05	ug/L	105	2.9	SW846 7470A	01/19/07	JMWPN1A6

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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A190252-001 **Prep Batch #...:** 7024202									
Mercury									
	ND	1.00	0.881	ug/L	88		SW846 7470A	01/26/07	JM4ME1C6
	ND	1.00	0.818	ug/L	82	7.4	SW846 7470A	01/26/07	JM4ME1C7

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 #...: SL666 **Matrix.....:** WATER
Date Sampled...: 01/19/07 **Date Received..:** 01/22/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7A220118-001 **Prep Batch #...:** 7024276									
Arsenic									
	3.9	1000	1000	ug/L	100		SW846 6020	01/24-01/29/07	JM6FJ1AC
	3.9	1000	1010	ug/L	101	1.2	SW846 6020	01/24-01/29/07	JM6FJ1AD

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: B1L676

General Chemistry

Lot-Sample #...: F7A110212-002 **Work Order #...:** JMPHK **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**10.4 C,D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011306**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.40**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**8.5 DN**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011310**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**20.3 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011308**
		Dilution Factor: 20		MDL.....: 1.0		
Total Alkalinity	**83.0**	**5.0**	**mg/L**	**MCAWW 310.1**	**01/12-01/15/07**	**7015061**
		Dilution Factor: 1		MDL.....: 2.5		

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: B1LT49

General Chemistry

Lot-Sample #...: F7A110212-004 **Work Order #...:** JMPHN **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**4.4 C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011306**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.29**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.6 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011310**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**21.6 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011308**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

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

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW0

General Chemistry

Lot-Sample #...: F7A110217-001 **Work Order #...:** JMPJL **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW1

General Chemistry

Lot-Sample #...: F7A110217-002 **Work Order #...:** JMPJP **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW2

General Chemistry

Lot-Sample #...: F7A110217-003 **Work Order #...:** JMPJQ **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.88 B,N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW3

General Chemistry

Lot-Sample #...: F7A110217-004 **Work Order #...:** JMPJR **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFW5

General Chemistry

Lot-Sample #...: F7A110217-006 **Work Order #...:** JMPJW **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.8 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011306**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.31**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**7.8 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011310**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.21 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011309**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**76.9 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011308**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFR8

General Chemistry

Lot-Sample #...: F7A110217-007 **Work Order #...:** JMPJ1 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.81 B,N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFR9

General Chemistry

Lot-Sample #...: F7A110217-008 **Work Order #...:** JMPJ2 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFT0

General Chemistry

Lot-Sample #...: F7A110217-009 **Work Order #...:** JMPJ3 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.86 B,N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFT1

General Chemistry

Lot-Sample #...: F7A110217-010 **Work Order #...:** JMPJ4 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1		MDL.....: 0.76		
TOX	**5.0**	**5.0**	**ug/L**	**SW846 9020B**	**02/01/07**	**7033429**
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFH4

General Chemistry

Lot-Sample #...: F7A110217-013 **Work Order #...:** JMPJ8 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429

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

Pacific Northwest National Laboratory

Client Sample ID: B1LFH5

General Chemistry

Lot-Sample #...: F7A110217-014 **Work Order #...:** JMPKA **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429

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

Pacific Northwest National Laboratory

Client Sample ID: B1LFH6

General Chemistry

Lot-Sample #...: F7A110217-015 **Work Order #...:** JMPKC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429

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

Pacific Northwest National Laboratory

Client Sample ID: B1LFH7

General Chemistry

Lot-Sample #...: F7A110217-016 **Work Order #...:** JMPKE **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429

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

Pacific Northwest National Laboratory

Client Sample ID: B1LFJ3

General Chemistry

Lot-Sample #...: F7A110217-018 **Work Order #...:** JMPKG **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**12.8 C,D**	**4.0**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011306**
	Dilution Factor: 20			MDL.....: 0.46		
Fluoride	**0.52**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**13.2 DN**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011310**
	Dilution Factor: 20			MDL.....: 0.080		
Nitrite	**0.13 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011309**
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**65.0 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/11-01/12/07**	**7011308**
	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.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHL2

General Chemistry

Lot-Sample #...: F7A110217-020 **Work Order #...:** JMPKK **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND	0.20	mg/L	MCAWW 300.0A	01/11/07	7011306
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	01/11/07	7011307
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	01/11/07	7011310
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	01/11/07	7011308
		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: B1LHL5

General Chemistry

Lot-Sample #...: F7A110217-021 **Work Order #...:** JMPKM **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248

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

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHL6

General Chemistry

Lot-Sample #...: F7A110217-022 **Work Order #...:** JMPKP **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248

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

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHL7

General Chemistry

Lot-Sample #...: F7A110217-023 **Work Order #...:** JMPKQ **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/17/07	7029248

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

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHL8

General Chemistry

Lot-Sample #...: F7A110217-024 **Work Order #...:** JMPKR **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	0.83 B,N	1.0	mg/L	SW846 9060	02/17/07	7029248

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LH71

General Chemistry

Lot-Sample #...: F7A110217-025 **Work Order #...:** JMPKV **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.79 B,N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LH72

General Chemistry

Lot-Sample #...: F7A110217-026 **Work Order #...:** JMPKX **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.95 B,N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LH73

General Chemistry

Lot-Sample #...: F7A110217-027 **Work Order #...:** JMPK0 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**1.2 N**	**1.0**	**mg/L**	**SW846 9060**	**02/17/07**	**7029248**

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

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LH74

General Chemistry

Lot-Sample #...: F7A110217-028 **Work Order #...:** JMPK2 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/26/07	7057141

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHK3

General Chemistry

Lot-Sample #...: F7A110217-030 **Work Order #...:** JMPK6 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/26/07	7057141

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHK4

General Chemistry

Lot-Sample #...: F7A110217-031 **Work Order #...:** JMPK7 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/26/07	7057141

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHK5

General Chemistry

Lot-Sample #...: F7A110217-032 **Work Order #...:** JMPK8 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/26/07	7057141

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHK6

General Chemistry

Lot-Sample #...: F7A110217-033 **Work Order #...:** JMPK9 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/26/07	7057141

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHK8

General Chemistry

Lot-Sample #...: F7A110217-035 **Work Order #...:** JMPLH **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**19.0 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011306**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.20**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**8.1 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011310**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.20 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011309**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**93.6 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011308**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFP7

General Chemistry

Lot-Sample #...: F7A110217-036 **Work Order #...:** JMPLN **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/19/07	7048156
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1LFP8

General Chemistry

Lot-Sample #...: F7A110217-037 **Work Order #...:** JMPLV **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/19/07	7048156
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFP9

General Chemistry

Lot-Sample #...: F7A110217-038 **Work Order #...:** JMPLX **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/19/07	7048156
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFR0

General Chemistry

Lot-Sample #...: F7A110217-039 **Work Order #...:** JMPL1 **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND N	1.0	mg/L	SW846 9060	02/19/07	7048156
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LFR2

General Chemistry

Lot-Sample #...: F7A110217-041 **Work Order #...:** JMPMC **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**22.0 C,D**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011306**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.31**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011307**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.4 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011310**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.15 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011309**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**74.6 D**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011308**
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LBY9

General Chemistry

Lot-Sample #...: F7A110225-003 **Work Order #...:** JMPMM **Matrix.....:** WATER
Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	20.3 C,D	2.0	mg/L	MCAWW 300.0A	01/11/07	7011306
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	0.27	0.10	mg/L	MCAWW 300.0A	01/11/07	7011307
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	7.6 DN	0.20	mg/L	MCAWW 300.0A	01/11/07	7011310
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	0.19 N	0.020	mg/L	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	75.1 D	5.0	mg/L	MCAWW 300.0A	01/11/07	7011308
		Dilution Factor: 10		MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

D Result was obtained from the analysis of a dilution.

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LJK1

General Chemistry

Lot-Sample #...: F7A130150-002 **Work Order #...:** JMT4E **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	20.2 DN	2.0	mg/L	MCAWW 300.0A	01/15/07	7015040
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	0.44	0.10	mg/L	MCAWW 300.0A	01/13/07	7015041
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	11.6 DN	1.0	mg/L	MCAWW 300.0A	01/13/07	7015044
	Dilution Factor: 50			MDL.....: 0.20		
Nitrite	0.11 N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	27.2 DN	5.0	mg/L	MCAWW 300.0A	01/13/07	7015042
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LNX5

General Chemistry

Lot-Sample #...: F7A130151-001 **Work Order #...:** JMT4G **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	ND N	0.20	mg/L	MCAWW 300.0A	01/15/07	7015040
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	01/13/07	7015041
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015044
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND N	0.50	mg/L	MCAWW 300.0A	01/13/07	7015042
		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: B1LNY0

General Chemistry

Lot-Sample #...: F7A130151-002 **Work Order #...:** JMT4H **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**12.9 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/15/07**	**7015040**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.19**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015041**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**15.4 DN**	**1.0**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015044**
	Dilution Factor: 50			MDL.....: 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**20.7 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015042**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LNX4

General Chemistry

Lot-Sample #...: F7A130151-003 **Work Order #...:** JMT4J **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**13.0 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/15/07**	**7015040**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.16**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015041**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**4.8 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015044**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**15.8 N**	**0.50**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015042**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LD42

General Chemistry

Lot-Sample #...: F7A130152-007 **Work Order #...:** JMT4R **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	14.4 DN	2.0	mg/L	MCAWW 300.0A	01/15/07	7015040
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	0.27	0.10	mg/L	MCAWW 300.0A	01/13/07	7015041
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	4.1 DN	0.20	mg/L	MCAWW 300.0A	01/13/07	7015044
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	0.055 N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	28.3 DN	5.0	mg/L	MCAWW 300.0A	01/13/07	7015042
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LK92

General Chemistry

Lot-Sample #...: F7A130153-001 **Work Order #...:** JMT4V **Matrix.....:** WATER
Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**9.1 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/15/07**	**7015040**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.26**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015041**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**55.3 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015044**
	Dilution Factor: 100			MDL.....: 0.40		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**19.1 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/13/07**	**7015042**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRL0

General Chemistry

Lot-Sample #...: F7A160169-002 **Work Order #...:** JMWPQ **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**9.4 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016174**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.36**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016175**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**3.0 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016178**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.13 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016177**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**106 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016176**
		Dilution Factor: 10		MDL.....: 0.50		
Total Cyanide	ND	5.0	ug/L	SW846 9012	01/17-01/19/07	7017140
		Dilution Factor: 1		MDL.....: 2.4		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290
		Dilution Factor: 1		MDL.....: 0.76		
Total Sulfide	ND	1.0	mg/L	SW846 9030	01/17/07	7017086
		Dilution Factor: 1		MDL.....: 0.18		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRL3

General Chemistry

Lot-Sample #...: F7A160169-004 **Work Order #...:** JMWP1 **Matrix.....:** WATER
Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.7 DN**	**4.0**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016174**
		Dilution Factor: 20		MDL.....: 0.46		
Fluoride	**0.44**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016175**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**9.9 DN**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016178**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	**0.26 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016177**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**77.7 DN**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/16/07**	**7016176**
		Dilution Factor: 20		MDL.....: 1.0		
Total Cyanide	ND	5.0	ug/L	SW846 9012	01/17-01/19/07	7017140
		Dilution Factor: 1		MDL.....: 2.4		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290
		Dilution Factor: 1		MDL.....: 0.76		
Total Sulfide	ND	1.0	mg/L	SW846 9030	01/17/07	7017086
		Dilution Factor: 1		MDL.....: 0.18		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LH95

General Chemistry

Lot-Sample #...: F7A170162-001 **Work Order #...:** JMX52 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290

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

Pacific Northwest National Laboratory

Client Sample ID: B1LH96

General Chemistry

Lot-Sample #...: F7A170162-002 **Work Order #...:** JMX54 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.83 B**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LH97

General Chemistry

Lot-Sample #...: F7A170162-003 **Work Order #...:** JMX55 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.94 B**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**

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

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LH98

General Chemistry

Lot-Sample #...: F7A170162-004 **Work Order #...:** JMX56 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHB0

General Chemistry

Lot-Sample #...: F7A170162-006 **Work Order #...:** JMX58 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**18.2 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018047**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.27 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018048**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**3.2 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018051**
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	**0.23 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018050**
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**81.7 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018049**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LHF9

General Chemistry

Lot-Sample #...: F7A170162-007 **Work Order #...:** JMX6E **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHH0

General Chemistry

Lot-Sample #...: F7A170162-008 **Work Order #...:** JMX6H **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHH1

General Chemistry

Lot-Sample #...: F7A170162-009 **Work Order #...:** JMX6J **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/16/07	7047464

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHH2

General Chemistry

Lot-Sample #...: F7A170162-010 **Work Order #...:** JMX6L **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/13/07	7022290

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

Pacific Northwest National Laboratory

Client Sample ID: B1LHH4

General Chemistry

Lot-Sample #...: F7A170162-012 **Work Order #...:** JMX6P **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.9 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018047**
	Dilution Factor: 10			MDL.....: 0.23		
Fluoride	**0.20 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018048**
	Dilution Factor: 1			MDL.....: 0.020		
Nitrate	**5.5 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018051**
	Dilution Factor: 10			MDL.....: 0.040		
Nitrite	**0.23 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018050**
	Dilution Factor: 1			MDL.....: 0.0040		
Sulfate	**98.1 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018049**
	Dilution Factor: 10			MDL.....: 0.50		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

Pacific Northwest National Laboratory

Client Sample ID: B1LRK7

General Chemistry

Lot-Sample #...: F7A170164-002 **Work Order #...:** JMX63 **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**17.3 DN**	**2.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018047**
		Dilution Factor: 10		MDL.....: 0.23		
Fluoride	**0.44 N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018048**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**6.2 DN**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018051**
		Dilution Factor: 10		MDL.....: 0.040		
Nitrite	**0.22 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018050**
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**63.5 DN**	**5.0**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018049**
		Dilution Factor: 10		MDL.....: 0.50		
Total Cyanide	ND	5.0	ug/L	SW846 9012	01/25/07	7031442
		Dilution Factor: 1		MDL.....: 2.4		
Total Organic Carbon	**0.95 B**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		
Total Sulfide	ND	1.0	mg/L	SW846 9030	01/19/07	7019097
		Dilution Factor: 1		MDL.....: 0.18		
TOX	**12.4**	**5.0**	**ug/L**	**SW846 9020B**	**02/06/07**	**7038436**
		Dilution Factor: 1		MDL.....: 2.6		

NOTE(S):

RL Reporting Limit

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

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1LK15

General Chemistry

Lot-Sample #...: F7A170166-002 **Work Order #...:** JMX7K **Matrix.....:** WATER
Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**1.9 N**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018047**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	**0.062 B,N**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018048**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**0.39 N**	**0.020**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018051**
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/17/07	7018050
		Dilution Factor: 1		MDL.....: 0.0040		
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	01/17/07	7018052
		Dilution Factor: 1		MDL.....: 0.10		
Sulfate	**9.4 N**	**0.50**	**mg/L**	**MCAWW 300.0A**	**01/17/07**	**7018049**
		Dilution Factor: 1		MDL.....: 0.050		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

B Estimated result. Result is less than RL.

Pacific Northwest National Laboratory

Client Sample ID: B1KT24

General Chemistry

Lot-Sample #...: F7A190250-002 **Work Order #...:** JM4LV **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**0.039 B,C**	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022083**
		Dilution Factor: 1		MDL.....: 0.023		
Fluoride	ND	0.10	mg/L	MCAWW 300.0A	01/19/07	7022084
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	ND N	0.020	mg/L	MCAWW 300.0A	01/19/07	7022087
		Dilution Factor: 1		MDL.....: 0.0040		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/19/07	7022086
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	ND	0.50	mg/L	MCAWW 300.0A	01/19/07	7022085
		Dilution Factor: 1		MDL.....: 0.050		
Total Alkalinity	ND	5.0	mg/L	MCAWW 310.1	01/24-01/25/07	7025035
		Dilution Factor: 1		MDL.....: 2.5		

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: B1KT25

General Chemistry

Lot-Sample #...: F7A190250-003 **Work Order #...:** JM4LW **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/16/07	7047464
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT26

General Chemistry

Lot-Sample #...: F7A190250-004 **Work Order #...:** JM4LX **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/16/07	7047464
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT27

General Chemistry

Lot-Sample #...: F7A190250-005 **Work Order #...:** JM4L0 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/16/07	7047464
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT28

General Chemistry

Lot-Sample #...: F7A190250-006 **Work Order #...:** JM4L1 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	02/16/07	7047464
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT17

General Chemistry

Lot-Sample #...: F7A190250-007 **Work Order #...:** JM4L5 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.94 B**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		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: B1KT18

General Chemistry

Lot-Sample #...: F7A190250-008 **Work Order #...:** JM4L6 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.95 B**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		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: B1KT19

General Chemistry

Lot-Sample #...: F7A190250-009 **Work Order #...:** JM4L7 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**1.0**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT20

General Chemistry

Lot-Sample #...: F7A190250-010 **Work Order #...:** JM4L8 **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**1.3**	**1.0**	**mg/L**	**SW846 9060**	**02/16/07**	**7047464**
		Dilution Factor: 1		MDL.....: 0.76		
TOX	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		Dilution Factor: 1		MDL.....: 2.6		

Pacific Northwest National Laboratory

Client Sample ID: B1KT22

General Chemistry

Lot-Sample #...: F7A190250-012 **Work Order #...:** JM4MC **Matrix.....:** WATER
Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride	**78.0 C,D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022083**
		Dilution Factor: 50		MDL.....: 1.1		
Fluoride	**0.24**	**0.10**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022084**
		Dilution Factor: 1		MDL.....: 0.020		
Nitrate	**12.9 DN**	**0.40**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022087**
		Dilution Factor: 20		MDL.....: 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	01/19/07	7022086
		Dilution Factor: 1		MDL.....: 0.0040		
Sulfate	**265 D**	**10.0**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022085**
		Dilution Factor: 20		MDL.....: 1.0		
Total Alkalinity	**74.0**	**5.0**	**mg/L**	**MCAWW 310.1**	**01/24-01/25/07**	**7025035**
		Dilution Factor: 1		MDL.....: 2.5		

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.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: JMQJ81AA		MB Lot-Sample #:	F7A110000-306	
	0.055 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/11/07**	**7011306**
		Dilution Factor: 1				
Chloride		Work Order #: JMVC71AA		MB Lot-Sample #:	F7A150000-040	
	ND	0.20	mg/L	MCAWW 300.0A	01/15/07	7015040
		Dilution Factor: 1				
Chloride		Work Order #: JMXTX1AA		MB Lot-Sample #:	F7A160000-174	
	ND	0.20	mg/L	MCAWW 300.0A	01/16/07	7016174
		Dilution Factor: 1				
Chloride		Work Order #: JM1EL1AA		MB Lot-Sample #:	F7A180000-047	
	ND	0.20	mg/L	MCAWW 300.0A	01/17/07	7018047
		Dilution Factor: 1				
Chloride		Work Order #: JM5751AA		MB Lot-Sample #:	F7A220000-083	
	0.032 B	**0.20**	**mg/L**	**MCAWW 300.0A**	**01/19/07**	**7022083**
		Dilution Factor: 1				
Fluoride		Work Order #: JMQJ91AA		MB Lot-Sample #:	F7A110000-307	
	ND	0.10	mg/L	MCAWW 300.0A	01/11/07	7011307
		Dilution Factor: 1				
Fluoride		Work Order #: JMVC81AA		MB Lot-Sample #:	F7A150000-041	
	ND	0.10	mg/L	MCAWW 300.0A	01/13/07	7015041
		Dilution Factor: 1				
Fluoride		Work Order #: JMXT11AA		MB Lot-Sample #:	F7A160000-175	
	ND	0.10	mg/L	MCAWW 300.0A	01/16/07	7016175
		Dilution Factor: 1				
Fluoride		Work Order #: JM1EN1AA		MB Lot-Sample #:	F7A180000-048	
	ND	0.10	mg/L	MCAWW 300.0A	01/17/07	7018048
		Dilution Factor: 1				
Fluoride		Work Order #: JM58E1AA		MB Lot-Sample #:	F7A220000-084	
	ND	0.10	mg/L	MCAWW 300.0A	01/19/07	7022084
		Dilution Factor: 1				
Nitrate		Work Order #: JMQKD1AA		MB Lot-Sample #:	F7A110000-310	
	ND	0.020	mg/L	MCAWW 300.0A	01/11/07	7011310
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		Work Order #: JMVDC1AA		MB Lot-Sample #:	F7A150000-044	
	ND	0.020	mg/L	MCAWW 300.0A	01/13/07	7015044
		Dilution Factor: 1				
Nitrate		Work Order #: JMXT71AA		MB Lot-Sample #:	F7A160000-178	
	ND	0.020	mg/L	MCAWW 300.0A	01/16/07	7016178
		Dilution Factor: 1				
Nitrate		Work Order #: JM1ER1AA		MB Lot-Sample #:	F7A180000-051	
	ND	0.020	mg/L	MCAWW 300.0A	01/17/07	7018051
		Dilution Factor: 1				
Nitrate		Work Order #: JM58L1AA		MB Lot-Sample #:	F7A220000-087	
	ND	0.020	mg/L	MCAWW 300.0A	01/19/07	7022087
		Dilution Factor: 1				
Nitrite		Work Order #: JMQKC1AA		MB Lot-Sample #:	F7A110000-309	
	ND	0.020	mg/L	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1				
Nitrite		Work Order #: JMVDA1AA		MB Lot-Sample #:	F7A150000-043	
	ND	0.020	mg/L	MCAWW 300.0A	01/13/07	7015043
		Dilution Factor: 1				
Nitrite		Work Order #: JMXT61AA		MB Lot-Sample #:	F7A160000-177	
	ND	0.020	mg/L	MCAWW 300.0A	01/16/07	7016177
		Dilution Factor: 1				
Nitrite		Work Order #: JM1EQ1AA		MB Lot-Sample #:	F7A180000-050	
	ND	0.020	mg/L	MCAWW 300.0A	01/17/07	7018050
		Dilution Factor: 1				
Nitrite		Work Order #: JM58K1AA		MB Lot-Sample #:	F7A220000-086	
	ND	0.020	mg/L	MCAWW 300.0A	01/19/07	7022086
		Dilution Factor: 1				
Phosphate as P, Ortho		Work Order #: JM1ET1AA		MB Lot-Sample #:	F7A180000-052	
	ND	0.50	mg/L	MCAWW 300.0A	01/17/07	7018052
		Dilution Factor: 1				
Sulfate		Work Order #: JMQKA1AA		MB Lot-Sample #:	F7A110000-308	
	ND	0.50	mg/L	MCAWW 300.0A	01/11/07	7011308
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: JMVC91AA		MB Lot-Sample #:	F7A150000-042	
	ND	0.50	mg/L	MCAWW 300.0A	01/13/07	7015042
		Dilution Factor: 1				
Sulfate		Work Order #: JMXT21AA		MB Lot-Sample #:	F7A160000-176	
	ND	0.50	mg/L	MCAWW 300.0A	01/16/07	7016176
		Dilution Factor: 1				
Sulfate		Work Order #: JM1EP1AA		MB Lot-Sample #:	F7A180000-049	
	ND	0.50	mg/L	MCAWW 300.0A	01/17/07	7018049
		Dilution Factor: 1				
Sulfate		Work Order #: JM58F1AA		MB Lot-Sample #:	F7A220000-085	
	ND	0.50	mg/L	MCAWW 300.0A	01/19/07	7022085
		Dilution Factor: 1				
Total Alkalinity		Work Order #: JMVA01AA		MB Lot-Sample #:	F7A150000-061	
	ND	5.0	mg/L	MCAWW 310.1	01/12-01/15/07	7015061
		Dilution Factor: 1				
Total Alkalinity		Work Order #: JNCL31AA		MB Lot-Sample #:	F7A250000-035	
	ND	5.0	mg/L	MCAWW 310.1	01/24-01/25/07	7025035
		Dilution Factor: 1				
Total Cyanide		Work Order #: JM0HA1AA		MB Lot-Sample #:	F7A170000-140	
	ND	5.0	ug/L	SW846 9012	01/17-01/19/07	7017140
		Dilution Factor: 1				
Total Cyanide		Work Order #: JNNRF1AA		MB Lot-Sample #:	F7A310000-442	
	ND	5.0	ug/L	SW846 9012	01/25/07	7031442
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JM6VC1AA		MB Lot-Sample #:	F7A220000-290	
	ND	1.0	mg/L	SW846 9060	02/13/07	7022290
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JPLCK1AA		MB Lot-Sample #:	F7B160000-464	
	ND	1.0	mg/L	SW846 9060	02/16/07	7047464
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JNJNM1AA		MB Lot-Sample #:	F7A290000-248	
	ND	1.0	mg/L	SW846 9060	02/17/07	7029248
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: JPL951AA		MB Lot-Sample #:	F7B170000-156	
	ND	1.0	mg/L	SW846 9060	02/19/07	7048156
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: JP3741AA		MB Lot-Sample #:	F7B260000-141	
	ND	1.0	mg/L	SW846 9060	02/26/07	7057141
		Dilution Factor: 1				
Total Sulfide		Work Order #: JMXP61AA		MB Lot-Sample #:	F7A170000-086	
	ND	1.0	mg/L	SW846 9030	01/17/07	7017086
		Dilution Factor: 1				
Total Sulfide		Work Order #: JM3GW1AA		MB Lot-Sample #:	F7A190000-097	
	ND	1.0	mg/L	SW846 9030	01/19/07	7019097
		Dilution Factor: 1				
TOX		Work Order #: JNV4D1AA		MB Lot-Sample #:	F7B020000-429	
	ND	5.0	ug/L	SW846 9020B	02/01/07	7033429
		Dilution Factor: 1				
TOX		Work Order #: JN6JW1AA		MB Lot-Sample #:	F7B070000-436	
	ND	5.0	ug/L	SW846 9020B	02/06/07	7038436
		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

Client Lot #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			Work Order #: JM0HA1AC		LCS Lot-Sample#:	F7A170000-140	
	100	79.1 N	ug/L	79	SW846 9012	01/17-01/19/07	7017140
			Dilution Factor: 1				
Total Cyanide			Work Order #: JM0HA1AD		LCS Lot-Sample#:	F7A170000-140	
	400	360	ug/L	90	SW846 9012	01/17-01/19/07	7017140
			Dilution Factor: 1				
Total Cyanide			Work Order #: JNNRF1AC		LCS Lot-Sample#:	F7A310000-442	
	100	79.5 N	ug/L	80	SW846 9012	01/25/07	7031442
			Dilution Factor: 1				
Total Cyanide			Work Order #: JNNRF1AD		LCS Lot-Sample#:	F7A310000-442	
	400	393	ug/L	98	SW846 9012	01/25/07	7031442
			Dilution Factor: 1				
Total Sulfide			Work Order #: JMXP61AC		LCS Lot-Sample#:	F7A170000-086	
	10.0	8.90	mg/L	89	SW846 9030	01/17/07	7017086
			Dilution Factor: 1				
Total Sulfide			Work Order #: JM3GW1AC		LCS Lot-Sample#:	F7A190000-097	
	10.0	9.10	mg/L	91	SW846 9030	01/19/07	7019097
			Dilution Factor: 1				
TOX			Work Order #: JNV4D1AC		LCS Lot-Sample#:	F7B020000-429	
	100	109	ug/L	109	SW846 9020B	02/01/07	7033429
			Dilution Factor: 1				
TOX			Work Order #: JN6JW1AC		LCS Lot-Sample#:	F7B070000-436	
	100	102	ug/L	102	SW846 9020B	02/06/07	7038436
			Dilution Factor: 1				

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:JMQJ81AC-LCS/JMQJ81AD-LCSD				LCS Lot-Sample#: F7A110000-306		
	2.00	1.97	mg/L	98		MCAWW 300.0A	01/11/07	7011306
	2.00	2.08	mg/L	104	5.8	MCAWW 300.0A	01/11/07	7011306
		Dilution Factor: 1						
Chloride		WO#:JMVC71AC-LCS/JMVC71AD-LCSD				LCS Lot-Sample#: F7A150000-040		
	2.00	1.89	mg/L	94		MCAWW 300.0A	01/15/07	7015040
	2.00	1.95	mg/L	98	3.4	MCAWW 300.0A	01/15/07	7015040
		Dilution Factor: 1						
Chloride		WO#:JMXTX1AC-LCS/JMXTX1AD-LCSD				LCS Lot-Sample#: F7A160000-174		
	2.00	1.94	mg/L	97		MCAWW 300.0A	01/16/07	7016174
	2.00	1.89	mg/L	94	2.7	MCAWW 300.0A	01/16/07	7016174
		Dilution Factor: 1						
Chloride		WO#:JM1EL1AC-LCS/JM1EL1AD-LCSD				LCS Lot-Sample#: F7A180000-047		
	2.00	1.91	mg/L	95		MCAWW 300.0A	01/17/07	7018047
	2.00	1.93	mg/L	97	1.2	MCAWW 300.0A	01/17/07	7018047
		Dilution Factor: 1						
Chloride		WO#:JM5751AC-LCS/JM5751AD-LCSD				LCS Lot-Sample#: F7A220000-083		
	2.00	1.92	mg/L	96		MCAWW 300.0A	01/19/07	7022083
	2.00	1.93	mg/L	97	0.46	MCAWW 300.0A	01/19/07	7022083
		Dilution Factor: 1						
Fluoride		WO#:JMQJ91AC-LCS/JMQJ91AD-LCSD				LCS Lot-Sample#: F7A110000-307		
	1.00	0.967	mg/L	97		MCAWW 300.0A	01/11/07	7011307
	1.00	0.905	mg/L	91	6.6	MCAWW 300.0A	01/11/07	7011307
		Dilution Factor: 1						
Fluoride		WO#:JMVC81AC-LCS/JMVC81AD-LCSD				LCS Lot-Sample#: F7A150000-041		
	1.00	1.00	mg/L	100		MCAWW 300.0A	01/13/07	7015041
	1.00	0.902	mg/L	90	10	MCAWW 300.0A	01/13/07	7015041
		Dilution Factor: 1						
Fluoride		WO#:JMXT11AC-LCS/JMXT11AD-LCSD				LCS Lot-Sample#: F7A160000-175		
	1.00	0.979	mg/L	98		MCAWW 300.0A	01/16/07	7016175
	1.00	0.982	mg/L	98	0.22	MCAWW 300.0A	01/16/07	7016175
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Fluoride		WO#:JM1EN1AC-LCS/JM1EN1AD-LCSD				LCS Lot-Sample#: F7A180000-048		
	1.00	0.972	mg/L	97		MCAWW 300.0A	01/17/07	7018048
	1.00	0.980	mg/L	98	0.87	MCAWW 300.0A	01/17/07	7018048
		Dilution Factor: 1						
Fluoride		WO#:JM58E1AC-LCS/JM58E1AD-LCSD				LCS Lot-Sample#: F7A220000-084		
	1.00	0.996	mg/L	100		MCAWW 300.0A	01/19/07	7022084
	1.00	0.971	mg/L	97	2.5	MCAWW 300.0A	01/19/07	7022084
		Dilution Factor: 1						
Nitrate		WO#:JMQKD1AC-LCS/JMQKD1AD-LCSD				LCS Lot-Sample#: F7A110000-310		
	0.400	0.367	mg/L	92		MCAWW 300.0A	01/11/07	7011310
	0.400	0.361	mg/L	90	1.6	MCAWW 300.0A	01/11/07	7011310
		Dilution Factor: 1						
Nitrate		WO#:JMVDC1AC-LCS/JMVDC1AD-LCSD				LCS Lot-Sample#: F7A150000-044		
	0.400	0.360	mg/L	90		MCAWW 300.0A	01/13/07	7015044
	0.400	0.391	mg/L	98	8.2	MCAWW 300.0A	01/13/07	7015044
		Dilution Factor: 1						
Nitrate		WO#:JMXT71AC-LCS/JMXT71AD-LCSD				LCS Lot-Sample#: F7A160000-178		
	0.400	0.382	mg/L	96		MCAWW 300.0A	01/16/07	7016178
	0.400	0.363	mg/L	91	5.2	MCAWW 300.0A	01/16/07	7016178
		Dilution Factor: 1						
Nitrate		WO#:JM1ER1AC-LCS/JM1ER1AD-LCSD				LCS Lot-Sample#: F7A180000-051		
	0.400	0.374	mg/L	94		MCAWW 300.0A	01/17/07	7018051
	0.400	0.378	mg/L	94	0.95	MCAWW 300.0A	01/17/07	7018051
		Dilution Factor: 1						
Nitrate		WO#:JM58L1AC-LCS/JM58L1AD-LCSD				LCS Lot-Sample#: F7A220000-087		
	0.400	0.379	mg/L	95		MCAWW 300.0A	01/19/07	7022087
	0.400	0.372	mg/L	93	1.9	MCAWW 300.0A	01/19/07	7022087
		Dilution Factor: 1						
Nitrite		WO#:JMQKC1AC-LCS/JMQKC1AD-LCSD				LCS Lot-Sample#: F7A110000-309		
	0.160	0.164	mg/L	102		MCAWW 300.0A	01/11/07	7011309
	0.160	0.164	mg/L	103	0.29	MCAWW 300.0A	01/11/07	7011309
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite			WO#:JMVDA1AC-LCS/JMVDA1AD-LCSD			LCS Lot-Sample#: F7A150000-043		
	0.160	0.150	mg/L	93		MCAWW 300.0A	01/13/07	7015043
	0.160	0.156	mg/L	97	4.0	MCAWW 300.0A	01/13/07	7015043
			Dilution Factor: 1					
Nitrite			WO#:JMXT61AC-LCS/JMXT61AD-LCSD			LCS Lot-Sample#: F7A160000-177		
	0.160	0.158	mg/L	99		MCAWW 300.0A	01/16/07	7016177
	0.160	0.159	mg/L	100	0.61	MCAWW 300.0A	01/16/07	7016177
			Dilution Factor: 1					
Nitrite			WO#:JM1EQ1AC-LCS/JM1EQ1AD-LCSD			LCS Lot-Sample#: F7A180000-050		
	0.160	0.164	mg/L	103		MCAWW 300.0A	01/17/07	7018050
	0.160	0.164	mg/L	102	0.30	MCAWW 300.0A	01/17/07	7018050
			Dilution Factor: 1					
Nitrite			WO#:JM58K1AC-LCS/JM58K1AD-LCSD			LCS Lot-Sample#: F7A220000-086		
	0.160	0.173	mg/L	108		MCAWW 300.0A	01/19/07	7022086
	0.160	0.156	mg/L	98	10	MCAWW 300.0A	01/19/07	7022086
			Dilution Factor: 1					
Phosphate as P, Ortho			WO#:JM1ET1AC-LCS/JM1ET1AD-LCSD			LCS Lot-Sample#: F7A180000-052		
	8.00	9.08 N	mg/L	114		MCAWW 300.0A	01/17/07	7018052
	8.00	9.30 N	mg/L	116	2.3	MCAWW 300.0A	01/17/07	7018052
			Dilution Factor: 1					
Sulfate			WO#:JMQKA1AC-LCS/JMQKA1AD-LCSD			LCS Lot-Sample#: F7A110000-308		
	8.00	7.43	mg/L	93		MCAWW 300.0A	01/11/07	7011308
	8.00	7.49	mg/L	94	0.77	MCAWW 300.0A	01/11/07	7011308
			Dilution Factor: 1					
Sulfate			WO#:JMVC91AC-LCS/JMVC91AD-LCSD			LCS Lot-Sample#: F7A150000-042		
	8.00	7.68	mg/L	96		MCAWW 300.0A	01/13/07	7015042
	8.00	7.64	mg/L	96	0.44	MCAWW 300.0A	01/13/07	7015042
			Dilution Factor: 1					
Sulfate			WO#:JMXT21AC-LCS/JMXT21AD-LCSD			LCS Lot-Sample#: F7A160000-176		
	8.00	7.62	mg/L	95		MCAWW 300.0A	01/16/07	7016176
	8.00	7.49	mg/L	94	1.7	MCAWW 300.0A	01/16/07	7016176
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:JM1EP1AC-LCS/JM1EP1AD-LCSD				LCS Lot-Sample#: F7A180000-049		
	8.00	7.56	mg/L	95		MCAWW 300.0A	01/17/07	7018049
	8.00	7.80	mg/L	97	3.0	MCAWW 300.0A	01/17/07	7018049
		Dilution Factor: 1						
Sulfate		WO#:JM58F1AC-LCS/JM58F1AD-LCSD				LCS Lot-Sample#: F7A220000-085		
	8.00	7.54	mg/L	94		MCAWW 300.0A	01/19/07	7022085
	8.00	7.53	mg/L	94	0.07	MCAWW 300.0A	01/19/07	7022085
		Dilution Factor: 1						
Total Alkalinity		WO#:JMVA01AC-LCS/JMVA01AD-LCSD				LCS Lot-Sample#: F7A150000-061		
	200	200	mg/L	100		MCAWW 310.1	01/12-01/15/07	7015061
	200	197	mg/L	98	1.5	MCAWW 310.1	01/12-01/15/07	7015061
		Dilution Factor: 1						
Total Alkalinity		WO#:JNCL31AC-LCS/JNCL31AD-LCSD				LCS Lot-Sample#: F7A250000-035		
	200	199	mg/L	100		MCAWW 310.1	01/24-01/25/07	7025035
	200	198	mg/L	99	0.50	MCAWW 310.1	01/24-01/25/07	7025035
		Dilution Factor: 1						
Total Organic Carbon		WO#:JM6VC1AC-LCS/JM6VC1AD-LCSD				LCS Lot-Sample#: F7A220000-290		
	6.00	5.97	mg/L	99		SW846 9060	02/13/07	7022290
	6.00	6.04	mg/L	101	1.2	SW846 9060	02/13/07	7022290
		Dilution Factor: 1						
Total Organic Carbon		WO#:JNJNM1AC-LCS/JNJNM1AD-LCSD				LCS Lot-Sample#: F7A290000-248		
	6.00	6.17	mg/L	103		SW846 9060	02/17/07	7029248
	6.00	5.91	mg/L	99	4.3	SW846 9060	02/17/07	7029248
		Dilution Factor: 1						
Total Organic Carbon		WO#:JPLCK1AC-LCS/JPLCK1AD-LCSD				LCS Lot-Sample#: F7B160000-464		
	6.00	5.97	mg/L	99		SW846 9060	02/16/07	7047464
	6.00	5.91	mg/L	99	0.87	SW846 9060	02/16/07	7047464
		Dilution Factor: 1						
Total Organic Carbon		WO#:JPL951AC-LCS/JPL951AD-LCSD				LCS Lot-Sample#: F7B170000-156		
	6.00	5.72	mg/L	95		SW846 9060	02/19/07	7048156
	6.00	5.76	mg/L	96	0.64	SW846 9060	02/19/07	7048156
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL666 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:JP3741AC-LCS/JP3741AD-LCSD				LCS Lot-Sample#: F7B260000-141		
	6.00	6.23	mg/L	104		SW846 9060	02/26/07	7057141
	6.00	6.42	mg/L	107	3.1	SW846 9060	02/26/07	7057141

Dilution Factor: 1

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 11/02/06 **Date Received..:** 11/03/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...:		JMPKK1AH		MS Lot-Sample #:	F7A110217-020
	ND	2.00	1.95	mg/L	98	MCAWW 300.0A	01/11/07	7011306
			Dilution Factor: 1					
Chloride			Work Order #...:		JMT4G1AH		MS Lot-Sample #:	F7A130151-001
	ND	2.00	2.32 N	mg/L	116	MCAWW 300.0A	01/15/07	7015040
			Dilution Factor: 1					
Chloride			Work Order #...:		JMWPQ1A2		MS Lot-Sample #:	F7A160169-002
	9.4	20.0	32.6 N,D	mg/L	116	MCAWW 300.0A	01/16/07	7016174
			Dilution Factor: 10					
Chloride			Work Order #...:		JMX7K1AJ		MS Lot-Sample #:	F7A170166-002
	1.9	2.00	4.87 N	mg/L	148	MCAWW 300.0A	01/17/07	7018047
			Dilution Factor: 1					
Chloride			Work Order #...:		JM4PL1AL		MS Lot-Sample #:	F7A190265-001
	10.7	20.0	29.5 D	mg/L	94	MCAWW 300.0A	01/19/07	7022083
			Dilution Factor: 10					
Fluoride			Work Order #...:		JMPKK1AJ		MS Lot-Sample #:	F7A110217-020
	ND	2.00	2.00	mg/L	100	MCAWW 300.0A	01/11/07	7011307
			Dilution Factor: 1					
Fluoride			Work Order #...:		JMT4G1AK		MS Lot-Sample #:	F7A130151-001
	ND	2.00	1.95	mg/L	97	MCAWW 300.0A	01/13/07	7015041
			Dilution Factor: 1					
Fluoride			Work Order #...:		JMWPQ1A4		MS Lot-Sample #:	F7A160169-002
	0.36	2.00	2.36	mg/L	100	MCAWW 300.0A	01/16/07	7016175
			Dilution Factor: 1					
Fluoride			Work Order #...:		JMX7K1AL		MS Lot-Sample #:	F7A170166-002
	0.062	2.00	2.62 N	mg/L	128	MCAWW 300.0A	01/17/07	7018048
			Dilution Factor: 1					
Fluoride			Work Order #...:		JM4PL1AM		MS Lot-Sample #:	F7A190265-001
	0.35	2.00	2.34	mg/L	99	MCAWW 300.0A	01/19/07	7022084
			Dilution Factor: 1					
Nitrate			Work Order #...:		JMPKK1AM		MS Lot-Sample #:	F7A110217-020
	ND	0.400	0.313 N	mg/L	78	MCAWW 300.0A	01/11/07	7011310
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 11/02/06 **Date Received..:** 11/03/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			Work Order #...:		JMT4G1AR		MS Lot-Sample #:	F7A130151-001
	ND	0.400	0.251 N	mg/L	63	MCAWW 300.0A	01/13/07	7015044
			Dilution Factor: 1					
Nitrate			Work Order #...:		JMWPQ1CA		MS Lot-Sample #:	F7A160169-002
	3.0	4.00	6.42 N,D	mg/L	84	MCAWW 300.0A	01/16/07	7016178
			Dilution Factor: 10					
Nitrate			Work Order #...:		JMX7K1AT		MS Lot-Sample #:	F7A170166-002
	0.39	0.400	0.856 N	mg/L	117	MCAWW 300.0A	01/17/07	7018051
			Dilution Factor: 1					
Nitrite			Work Order #...:		JMPKK1AL		MS Lot-Sample #:	F7A110217-020
	ND	0.100	0.0682 N	mg/L	68	MCAWW 300.0A	01/11/07	7011309
			Dilution Factor: 1					
Nitrite			Work Order #...:		JMT4G1AP		MS Lot-Sample #:	F7A130151-001
	ND	0.100	0.0373 N	mg/L	37	MCAWW 300.0A	01/13/07	7015043
			Dilution Factor: 1					
Nitrite			Work Order #...:		JMWPQ1A8		MS Lot-Sample #:	F7A160169-002
	0.13	0.100	0.447 N	mg/L	321	MCAWW 300.0A	01/16/07	7016177
			Dilution Factor: 1					
Nitrite			Work Order #...:		JMX7K1AQ		MS Lot-Sample #:	F7A170166-002
	ND	0.100	0.333 N	mg/L	333	MCAWW 300.0A	01/17/07	7018050
			Dilution Factor: 1					
Nitrite			Work Order #...:		JM4PL1AP		MS Lot-Sample #:	F7A190265-001
	ND	0.100	0.120 N	mg/L	120	MCAWW 300.0A	01/19/07	7022086
			Dilution Factor: 1					
Nitrogen, Nitrate			Work Order #...:		JM4PL1AQ		MS Lot-Sample #:	F7A190265-001
	2.6	4.00	5.51 N,D	mg/L	72	MCAWW 300.0A	01/19/07	7022087
			Dilution Factor: 10					
Phosphate as P, Ortho			Work Order #...:		JMX7K1AV		MS Lot-Sample #:	F7A170166-002
	ND	4.00	6.48 N	mg/L	162	MCAWW 300.0A	01/17/07	7018052
			Dilution Factor: 1					
Sulfate			Work Order #...:		JMPKK1AK		MS Lot-Sample #:	F7A110217-020
	ND	4.00	3.70	mg/L	92	MCAWW 300.0A	01/11/07	7011308
			Dilution Factor: 1					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 11/02/06 **Date Received..:** 11/03/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			Work Order #...:		JMT4G1AM		MS Lot-Sample #:	F7A130151-001
	ND	4.00	3.42 N	mg/L	85	MCAWW 300.0A	01/13/07	7015042
			Dilution Factor: 1					
Sulfate			Work Order #...:		JMWPQ1A6		MS Lot-Sample #:	F7A160169-002
	106	40.0	152 N,D	mg/L	116	MCAWW 300.0A	01/16/07	7016176
			Dilution Factor: 10					
Sulfate			Work Order #...:		JMX7K1AN		MS Lot-Sample #:	F7A170166-002
	9.4	4.00	15.1 N	mg/L	142	MCAWW 300.0A	01/17/07	7018049
			Dilution Factor: 1					
Sulfate			Work Order #...:		JM4PL1AN		MS Lot-Sample #:	F7A190265-001
	19.2	40.0	55.9 D	mg/L	92	MCAWW 300.0A	01/19/07	7022085
			Dilution Factor: 10					
Total Alkalinity			Work Order #...:		JMPHK1AK		MS Lot-Sample #:	F7A110212-002
	83.0	100	177	mg/L	0	MCAWW 310.1	01/12-01/15/07	7015061
			Dilution Factor: 1					
Total Alkalinity			Work Order #...:		JM4LV1AL		MS Lot-Sample #:	F7A190250-002
	ND	100	101	mg/L	101	MCAWW 310.1	01/24-01/25/07	7025035
			Dilution Factor: 1					
Total Cyanide			Work Order #...:		JMWP11AW		MS Lot-Sample #:	F7A160169-004
	ND	100	96.3	ug/L	96	SW846 9012	01/17-01/19/07	7017140
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JMPJL1AD		MS Lot-Sample #:	F7A110217-001
	ND	5.00	1.16 N	mg/L	23	SW846 9060	02/17/07	7029248
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JMPK21AC		MS Lot-Sample #:	F7A110217-028
	ND	5.00	4.84	mg/L	97	SW846 9060	02/26/07	7057141
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JMPLN1AD		MS Lot-Sample #:	F7A110217-036
	ND	5.00	6.44	mg/L	129	SW846 9060	02/19/07	7048156
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JM4L81AD		MS Lot-Sample #:	F7A190250-010
	1.3	5.00	7.00	mg/L	115	SW846 9060	02/16-02/19/07	7047464
			Dilution Factor: 1					

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL666 **Matrix.....:** WATER
Date Sampled...: 11/02/06 **Date Received..:** 11/03/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #...:		JM4ML1AC		MS Lot-Sample #: F7A190252-005	
	ND	5.00	6.36	mg/L	127	SW846 9060	02/16-02/19/07	7047464
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JNTN61AD		MS Lot-Sample #: F7B020173-003	
	ND	5.00	ND N	mg/L	0.0	SW846 9060	02/19/07	7048156
			Dilution Factor: 1					
Total Organic Carbon			Work Order #...:		JN1WT1AC		MS Lot-Sample #: F7B060281-001	
	2.0	5.00	8.26	mg/L	125	SW846 9060	02/13/07	7022290
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		JMWPQ1A0		MS Lot-Sample #: F7A160169-002	
	ND	10.0	9.00	mg/L	90	SW846 9030	01/17/07	7017086
			Dilution Factor: 1					
Total Sulfide			Work Order #...:		JMX631AW		MS Lot-Sample #: F7A170164-002	
	ND	10.0	8.70	mg/L	87	SW846 9030	01/19/07	7019097
			Dilution Factor: 1					
TOX			Work Order #...:		JMPJL1AE		MS Lot-Sample #: F7A110217-001	
	ND	100	108	ug/L	108	SW846 9020B	02/01/07	7033429
			Dilution Factor: 1					
TOX			Work Order #...:		JMPJP1AD		MS Lot-Sample #: F7A110217-002	
	ND	100	106	ug/L	106	SW846 9020B	02/06/07	7038436
			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 #...: F7A110212 **Work Order #...:** JMPKK-SMP JMPKK-DUP **Matrix.....:** WATER

Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A110217-020	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/11/07	7011306
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7A110217-020	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/11/07	7011307
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A110217-020	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/11/07	7011308
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7A110217-020	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/11/07	7011309
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A110217-020	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/11/07	7011310
			Dilution Factor: 1					

JW 03-16-07

JW 03-16-07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMT4G-SMP JMT4G-DUP **Matrix.....:** WATER

Date Sampled...: 01/12/07 **Date Received..:** 01/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A130151-001	
	ND	0.090 B,N	mg/L	200	(0-20)	MCAWW 300.0A	01/15/07	7015040
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7A130151-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/13/07	7015041
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A130151-001	
	ND N JW 03-16-07	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/13/07	7015042
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7A130151-001	
	ND N JW 03-16-07	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/13/07	7015043
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A130151-001	
	ND N JW 03-16-07	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/13/07	7015044
			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.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMPHK-SMP JMPHK-DUP **Matrix.....:** WATER

Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7A110212-002	
	83.0	84.0	mg/L	1.2	(0-20)	MCAWW 310.1	01/12-01/15/07	7015061

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMWPQ-SMP JMWPQ-DUP **Matrix.....:** WATER

Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A160169-002	
	9.4 DN	9.4 DN	mg/L	0.21	(0-20)	MCAWW 300.0A	01/16/07	7016174
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7A160169-002	
	0.36	0.29	mg/L	20	(0-20)	MCAWW 300.0A	01/16/07	7016175
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A160169-002	
	106 DN	108 DN	mg/L	2.5	(0-20)	MCAWW 300.0A	01/16/07	7016176
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7A160169-002	
	0.13 N	0.11 N	mg/L	10	(0-20)	MCAWW 300.0A	01/16/07	7016177
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A160169-002	
	3.0 DN	3.1 DN	mg/L	0.26	(0-20)	MCAWW 300.0A	01/16/07	7016178
			Dilution Factor: 10					
Total Sulfide						SD Lot-Sample #:	F7A160169-002	
	ND	ND	mg/L	0	(0-20)	SW846 9030	01/17/07	7017086
			Dilution Factor: 1					

NOTE(S):

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

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

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMWP1-SMP JMWP1-DUP **Matrix.....:** WATER

Date Sampled...: 01/15/07 **Date Received..:** 01/16/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total	Cyanide					SD Lot-Sample #:	F7A160169-004	
	ND	ND	ug/L	0	(0-20)	SW846 9012	01/17-01/19/07	7017140

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMX7K-SMP JMX7K-DUP **Matrix.....:** WATER

Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho						SD Lot-Sample #:	F7A170166-002	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/17/07	7018052
			Dilution Factor: 1					
Chloride						SD Lot-Sample #:	F7A170166-002	
	1.9 N	2.0 N	mg/L	7.2	(0-20)	MCAWW 300.0A	01/17/07	7018047
			Dilution Factor: 1					
Fluoride						SD Lot-Sample #:	F7A170166-002	
	0.062 B,N	ND N	mg/L	200	(0-20)	MCAWW 300.0A	01/17/07	7018048
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A170166-002	
	9.4 N	9.2 N	mg/L	2.3	(0-20)	MCAWW 300.0A	01/17/07	7018049
			Dilution Factor: 1					
Nitrite						SD Lot-Sample #:	F7A170166-002	
	ND N	ND N	mg/L	0	(0-20)	MCAWW 300.0A	01/17/07	7018050
			Dilution Factor: 1					
Nitrate						SD Lot-Sample #:	F7A170166-002	
	0.39 N	0.39 N	mg/L	0.54	(0-20)	MCAWW 300.0A	01/17/07	7018051
			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.

B Estimated result. Result is less than RL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMX63-SMP JMX63-DUP **Matrix.....:** WATER

Date Sampled...: 01/16/07 **Date Received..:** 01/17/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total	Sulfide					SD Lot-Sample #:	F7A170164-002	
	ND	ND	mg/L	0	(0-20)	SW846 9030	01/19/07	7019097

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JM4PL-SMP JM4PL-DUP **Matrix.....:** WATER

Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride						SD Lot-Sample #:	F7A190265-001	
	10.7 C,D	8.8 DC	mg/L	20	(0-20)	MCAWW 300.0A	01/19/07	7022083
			Dilution Factor: 10					
Fluoride						SD Lot-Sample #:	F7A190265-001	
	0.35	0.41	mg/L	15	(0-20)	MCAWW 300.0A	01/19/07	7022084
			Dilution Factor: 1					
Sulfate						SD Lot-Sample #:	F7A190265-001	
	19.2 D	16.4 D	mg/L	16	(0-20)	MCAWW 300.0A	01/19/07	7022085
			Dilution Factor: 10					
Nitrite						SD Lot-Sample #:	F7A190265-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	01/19/07	7022086
			Dilution Factor: 1					
Nitrogen, Nitrate						SD Lot-Sample #:	F7A190265-001	
	2.6 DN	2.7 DN	mg/L	2.1	(0-20)	MCAWW 300.0A	01/19/07	7022087
			Dilution Factor: 10					

NOTE(S):

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

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

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

D Result was obtained from the analysis of a dilution.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JN1WT-SMP JN1WT-DUP **Matrix.....:** WATER

Date Sampled...: 11/02/06 **Date Received..:** 11/03/06

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7B060281-001	
	2.0	2.0	mg/L	2.0	(0-20)	SW846 9060	02/13/07	7022290

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JM4LV-SMP JM4LV-DUP **Matrix.....:** WATER

Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	F7A190250-002	
	ND	ND	mg/L	0	(0-20)	MCAWW 310.1	01/24-01/25/07	7025035

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMPJL-SMP JMPJL-DUP **Matrix.....:** WATER

Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7A110217-001	
	ND N	ND N	mg/L	0	(0-20)	SW846 9060	02/17/07	7029248
			Dilution Factor: 1					
TOX						SD Lot-Sample #:	F7A110217-001	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	02/01/07	7033429
			Dilution Factor: 1					

JW 03-16-07

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMPJP-SMP JMPJP-DUP **Matrix.....:** WATER

Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:	F7A110217-002	
	ND	ND	ug/L	0	(0-20)	SW846 9020B	02/06/07	7038436

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JM4L8-SMP JM4L8-DUP **Matrix.....:** WATER

Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7A190250-010	
	1.3	1.2	mg/L	7.6	(0-20)	SW846 9060	02/16/07	7047464

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JM4ML-SMP JM4ML-DUP **Matrix.....:** WATER

Date Sampled...: 01/18/07 **Date Received..:** 01/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7A190252-005	
	ND	ND	mg/L	0	(0-20)	SW846 9060	02/16/07	7047464

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JMPLN-SMP JMPLN-DUP **Matrix.....:** WATER

Date Sampled...: 01/10/07 **Date Received..:** 01/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7A110217-036	
	ND	ND	mg/L	0	(0-20)	SW846 9060	02/19/07	7048156

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7A110212 **Work Order #...:** JNTN6-SMP JNTN6-DUP **Matrix.....:** WATER

Date Sampled...: 01/31/07 **Date Received..:** 02/02/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon						SD Lot-Sample #:	F7B020173-003	
	ND	ND	mg/L	0	(0-20)	SW846 9060	02/19/07	7048156

Dilution Factor: 1

JW 03-16-07

PNNL 91666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-476**

Page 1 of 1

Collector Fluor Hanford F.M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	HNF-N-506-2	**Ice Chest No.** GRP-03-002 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906 4737 8475
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.
Filtered All Sampled

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L675 (F)		W	1/10/7	1245	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1L676 (F)		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1L676 (F)		W			1x20-mL P	Activity Scan	None
B1L676 (F)		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C

Relinquished By	Received By
Print: Fluor Hanford F.M. HALL Sign: JAN 10 2007 Date/Time: 1400	Print: FEDEX Sign: JAN 10 2007 Date/Time
Relinquished By: FedEx 01.11.07 0900	Received By: 01.11.07 0900
Relinquished By Date/Time	Received By Date/Time
Relinquished By Date/Time	Received By Date/Time

Matrix *

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

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

PNNL 52666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-001-49**

Page 1 of 1

Collector Fluor Hanford D. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JANUARY 2007	Logbook: HNF-N-506-3	**Ice Chest No.** SNL-4050 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7922 7070 6926
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
B1LT48 (F)		W	1/10/07	0920	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LT49		W	↓	↓	1x20-mL P	Activity Scan	None
B1LT49		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

R. Wall 1/10/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		JAN 10 2007 1430	FEDEX			
Fed X			01.11-07 0900				01.11-07 0900

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798582908317	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792913756577	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647378475	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647472241	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
798082839011	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792270706926	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A110206, 207, 212, 217, 225

- 5427 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: below
Initiated By: SI
Date: 01.11.07
Time: 0900

Shipping Information

Shipper Name: FedX

Shipping # (s):*

1. 7985 8290 8317
2. 7929 1375 6577
3. 7906 4737 8475
4. 7906 4747 2241
5.
6. 7980 8283 9011 (SW 01.11.07)
7. 7922 7070 6926
8.
9.
10.

Multiple Packages Y N N/A

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 507-012-679, 26, 120
W07-001-37
W07-011-476, 49
I07-009-45
W07-012-228, 240, 196, 91, 34, 90, 246

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: _____ Date: 01-11-07

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

PNNL 52665

cwt 3121

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-009-45**

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, NOVEMBER 2006	HNF-N-506-2	**Ice Chest No.** GRP-03-002 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906473784 75
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
B1L1Y2 (F)		W	1/10/07	1042	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1L1Y3		W	↓	↓	1x20-mL P	Activity Scan	None
B1L1Y3		W	↓	↓	3x1000-mL aG	TPH-Diesel Range - WTPH-D	HCl to pH <2 Cool 4C
B1L1Y3		W	↓	↓	3x1000-mL aG	TPH-Kerosene Range - WTPH-D	HCl to pH <2 Cool 4C
B1L1Y3		W	↓	↓	4x40-mL aGs*	TPH-Gasoline Range - WTPH-G	HCl to pH <2 Cool 4C
B1L1Y3		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1L1Y3		W	↓	↓	3x1000-mL aG	8270_SVOA_GCMS: List-1 + Cresol (14)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL			JAN 10 2007 / 1400	FED EX			JAN 10 2007
Relinquished By			Date/Time	Received By			Date/Time
FedEx			01.11.07 0900				01.11.07 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

Track Shipments

Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798582908317	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792913756577	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647378475	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647472241	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
798082839011	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792270706926	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A110206, 207, 212, 217, 225

- 5427 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: below
Initiated By: SJ
Date: 01.11.07
Time: 0900

Shipping Information

Shipper Name: FedX

Shipping # (s):* SW 01.11.07

1. 7985 8290 8317
2. 7929 1375 6577
3. 7906 4737 8475
4. 7906 4747 2241
5.
6. 7980 8283 9011
7. 7922 7070 6926
8.
9.
10.

Multiple Packages Y N N/A

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 507-012-679, 26, 120
W07-001-37
W07-011-476, 49
(I07-009-45)
W07-012-228, 240, 196, 91, 34, 90, 246

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: KC Date: 01-11-07

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

PNNL SL666

cur 5427

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-228**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	Logbook: HNF-N-506-3	**Ice Chest No.** GRP-06-005 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7985 8290 8317
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
B1LFW0		W	1/10/06	1352	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFW0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFW1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFW1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFW2		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFW2		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFW3		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFW3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFW4 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LFW4 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LFW4 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LFW5		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LFW5		W			1x20-mL P	Activity Scan	None
B1LFW5		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
				R. Wall 1/10/07			

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		JAN 10 2007 1430	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
FedX			01.11.07 0900				01.11.07 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL
SC666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-240**

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	logbook: HNF-N-506-3	**Ice Chest No.** SAWS-119 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7929 1375 6577
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
B1LFR8		W	1/10/07	1154	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFR8		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFR9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFR9		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFT0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFT0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFT1		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFT1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFT2 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LFT2 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LFT2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LFT3		W			1x20-mL P	Activity Scan	None
B1LFT3		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
				L Wall 1/10/07			

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		JAN 1 0 2007 1430	FEDEX			
Fedex			01.11.07 0900				01.11.07 0900

Matrix *

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

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

PNNL SC 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-196**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	Logbook: HNF-N-506-3	**Ice Chest No.** GRP-03-027 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906 4747 2241
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.** 1/10/07

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
B1LFH4		W	1/10/07	1303	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFH5		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFH6		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFH7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFJ2 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LFJ2 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LFJ2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LFJ3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LFJ3		W			1x20-mL P	Activity Scan	None
B1LFJ3		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

L. Wall 1/10/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		JAN 10 2007 1430	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
FedX 01.11.07			0900				01.11.07 0900
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL SC 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-91**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 4	**Ice Chest No.** ERC 02-403 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980828 39011
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
B1LHL1 (F)		W	1-10-07	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LHL1 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LHL2		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LHL2		W	↓	↓	1x20-mL P	Activity Scan	None
B1LHL5		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHL6		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHL7		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHL8		W	↓	↓	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN			JAN 10 2007 1400	FED EX			
FedX		SW 01.11.07	01.11.07 0900				01.11.07 0900

Matrix *

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

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

PNNL 5C666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-34

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-5064	**Ice Chest No.** ERC 02-403 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8283 9011
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
B1LH71		W	1-10-07	1153	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH72		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH73		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH74		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH75 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LH76		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN			JAN 10 2007 1400	FED EX			
Relinquished By			Date/Time	Received By			Date/Time
FedEx			01-11-07 0950				01-11-07 0950
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 SC 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-90**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 4	**Ice Chest No.** ERC 02-407 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 798082839011
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
B1LHK3		W	1-10-07	1024	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHK4		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHK5		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHK6		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHK7 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LHK7 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LHK8		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LHK8		W			1x20-mL P	Activity Scan	None

Relinquished By	Received By
Print: D. E. PARCHEN Sign: [signature] Date/Time: JAN 10 2007 1400	Print: FED EX Sign: Date/Time:
Relinquished By: Fedex Date/Time: 01-11-07 0900	Received By: [signature] Date/Time: 01-11-07 0900
Relinquished By: Date/Time:	Received By: Date/Time:
Relinquished By: Date/Time:	Received By: Date/Time:

Matrix *

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

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

PNNL 5c666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-246

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	Logbook: HNF-N-506-3	**Ice Chest No.** SMC4050 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7922 7070 6926
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
B1LFP7		W	1/10/07	1032	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFP7		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFP8		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFP8		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFP9		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFP9		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFR0		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1LFR0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LFR1 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LFR1 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LFR1 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LFR2		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LFR2		W			1x20-mL P	Activity Scan	None
B1LFR2		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford D. R. BREWINGTON	JAN 10 2007 1430	FEDEX	
Fedex	01.11.07 0900		01.11.07 0900

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798582908317	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792913756577	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647378475	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647472241	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
798082839011	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792270706926	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A110206, 207, 212, 217, 225

- 5427 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: below
Initiated By: SW
Date 01.11.07
Time: 0900

Shipping Information

Shipper Name: FedX

Shipping # (s):*

1. 7985 8290 8317
2. 7929 1375 6577
3. 7906 4737 8475
4. 7906 4747 2241
5.
6. 7980 8283 9011
7. 7922 7070 6926
8.
9.
10.

SW 01.11.07

Multiple Packages Y N N/A

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 507-012-679, 26, 120
W07-001-37
W07-011-476, 49
F07-009-45
W07-012-228, 240, 196, 91, 34, 90, 246

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: A.S. Date: 01-11-07

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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-679

Page 1 of 1

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-2	**Ice Chest No.** GRP-03-002 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7906 4737 8475
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
B1LM24		W	1/10/7	1042	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LM24		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL		JAN 10 2007	1400	FED EX		JAN 10 2007	
Relinquished By			Date/Time	Received By			Date/Time
Fedex 01.11.07 0900						01-11-07 0900	
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL 56666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-26

Page 1 of 1

Collector D. E. [illegible]CHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 4	**Ice Chest No.** ERC 02-403 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 798082839011
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
B1LC60 (F)		W	1-10-07	1153	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LC61		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. [illegible]CHEN		[signature]	JAN 10 2007 1400	FED EX			
[signature]			01.11.07 0900	[signature]			01.11.07 0900
Fedex SW			01.11.07				

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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-120**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	Logbook: HNF-N-506-3	**Ice Chest No.** SAWS-119 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7929 1375 6577
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
B1LBY9		W	1/10/07	1154	1x20-mL P	Activity Scan	None
B1LBY9		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

L. Wall 1/10/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON		D.R. Brewington	JAN 10 2007 1430	FEDEX			
Fedex			01.11.07 0900				01.11.07 0900

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
798582908317	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792913756577	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647378475	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
790647472241	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
798082839011	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express
792270706926	Delivered	Jan 11, 2007 8:50 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A110206, 207, 212, 217, 225

- 5427 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: below
Initiated By: SJ
Date: 01.11.07
Time: 0900

Shipping Information

Shipper Name: FedX
Shipping # (s):*

1. 7985 8290 8317
2. 7929 1375 6577
3. 7906 4737 8475
4. 7906 4747 2241
5.
6. 7980 8283 9011 SJ 01.11.07
7. 7922 7070 6926
8.
9.
10.

Multiple Packages Y N N/A

Sample Temperature (s):**

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

*Numbered shipping lines correspond to Numbered Sample Temp lines

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

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

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

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

Notes: 507-012-679, 26, 120
W07-001-37
W07-011-476, 49
I07-009-45
W07-012-228, 240, 196, 91, 34, 90, 246

Corrective Action:

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

Project Management Review: Date: 01-11-07

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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-012-492**

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8475 2865
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
B1LJK0 (F)		W	1-12-07	0939	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LJK0 (F)		W	↓	↓	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LJK1		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LJK1		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			JAN 12 2007 1430	Fed Ex			
Relinquished By	Fed Ex		1-13-07 0815	Received By	JJ Clarke		1-13-07 0815
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
799568940698	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express
798084752865	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A130150, 151, 152, 153

- 5431 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: See Below
Initiated By: [illegible]
Date 1.13.07
Time: 0815

Shipping Information

Shipper Name: Fed Ex

Shipping # (s):*

1. 7995 6894 0698
2. 7980 8475 2805
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

Multiple Packages (Y) N N/A

Sample Temperature (s):**

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

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

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

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

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

Notes:

COC#5
W07-012-492
S07-001-115
-120
-114
S07-012-681
-576
-577
-562
-550
I07-016-15

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: [illegible] Date: 1/16/07

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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-016-15

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-016	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8475 2865
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.** N/A

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
B1LK92		W	1-12-07	1038	1x20-mL P	Activity Scan	None
B1LK92		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LK92		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Received By
Fluor Hanford K. B. HULSE Print / Sign / Date/Time: JAN 12 2007 1430	Fed Ex Print / Sign / Date/Time
Fed Ex 1-13-07 0815 Date/Time	Jill Clarke 1-13-07 0815 Date/Time
Relinquished By / Date/Time	Received By / Date/Time
Relinquished By / Date/Time	Received By / Date/Time

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
799568940698	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express
798084752865	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A130150, 151, 152, 153

- 5431 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: See Below
Initiated By:
Date 1.13.07
Time: 0815

Shipping Information

Shipper Name: Fed Ex
Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7995 6894 0698
2. 7980 8475 2805
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
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:

COC #5
W07-012-492
S07-001-115
-120
-114
S07-012-681
-576
-577
-562
-550
I07-016-15

Corrective Action:

☐ Client Contact Name: Informed by:
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: If released, notify:
Project Management Review: Date: 1/16/07

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

PNNL 5 Ulelle

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-001-115**

Page 1 of 1

Collector Fluor Hanford	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. D.R. BREWINGTON S07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV. JANUARY 2007	HNF-N-526 3	**Ice Chest No.** 5ML526 1-12-07 ~~HS-04050~~ **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 79956894 0698
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
B1LNX5		W	1-12-07	0715	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LNX5		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D.R. BREWINGTON	D.R. Brewington		JAN 12 2007 1402	Fed Ex			JAN 12 2007
Relinquished By	Fed Ex		1-13-07 0815	Received By	JL Clarke		1-13-07 0815
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 SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-001-120

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 3	**Ice Chest No.** SML526 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 79956894 0698
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
B1LNY0		W	1-12-07	0938	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LNY0		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		1-12-07 1400	FedEx			
Relinquished By	Fed Ex		1.13.07 0815	Received By	Gill Clark		1.13.07 0815
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 96666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-001-114**

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 3	**Ice Chest No.** SML526 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7995 6894 0698
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
B1LNX4		W	1-12-07	1023	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LNX4		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D.R. Brewington		JAN 12 2007 1400	FedEX			
Relinquished By			Date/Time	Received By			Date/Time
Fed EX			1.13.07 0815	Jill Clarke			1.13.07 0815
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
799568940698	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express
798084752865	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A130150, 151, 152, 153

- 5431 -

Condition Upon Receipt Form

Client: PNNL COC/RFA No: See Below Date 1.13.07

Quote No: Initiated By: Time: 0815

Shipping Information

Shipper Name: Fed Ex Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7945 6894 0698
2. 7980 5475 2805
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
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:

COC #5
W07-012-492
S07-001-115
-120
-114
S07-012-681
-576
-577
-562
-550
I07-016-15

Corrective Action:

☐ Client Contact Name: Informed by:

☐ Sample(s) processed "as is"

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

Project Management Review: T. Lobley Date: 1/16/07

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

PNNL 5L664

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-681

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8475 2865
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.** N/A

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
B1LM26		W	1-12-07	1038	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LM26		W	✓	✓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			JAN 12 2007/1430	Fed Ex			
Relinquished By	Fed Ex		1-13-07 0815	Received By	Gil Clarke		1-13-07 0815
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 SL664

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-576**

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506.4	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8475 2865
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.** N/A

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
B1LD46 (F)		W	11207	1305	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD47		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LD47		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE			JAN 12 2007 1413	Fed Ex			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex			1-13-07 0815	JL Clarke			1-13-07 0815
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 SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-577

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-4	**Ice Chest No.** GRP-05-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8475 2865
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.** N/A

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
B1LD50 (F)		W	1-12-07	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD51		W	↓	↓	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LD51		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. B. HULSE		KB Hulse	JAN 12 2007/1430	FedEx			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex			1-13-07 0815	Jill Clark			1-13-07 0815
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 5L664

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-562

Page 1 of 1

Collector Fluor Hanford F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HMF-N-506-2	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980-8475-2865
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
B1LD41 (F)		W	1/12/7	1141	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LD42		W	↓	↓	1x20-mL P	Activity Scan	None
B1LD42		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL		JAN 12 2007	1400	FED EX		JAN 12 2007	
Fed Ex 1.13.07			0815	Gil Clarke 1.13.07			0815

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 SU666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

48153

C.O.C. # S07-012-550

Page 1 of 1

Collector Fluor Hanford F.M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506-2	**Ice Chest No.** GRP-03-012 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7986-8475-2865
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
B1LC73		W	1/12/7	0932	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LC73		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Received By
Print / Sign: Fluor Hanford F.M. HALL — Date/Time: JAN 12 2007 1400	Print / Sign: FED EX — Date/Time: JAN 12 2007
Relinquished By: Fed Ex — Date/Time: 1.13.07 0815	Received By: Gil Clarke — Date/Time: 1.13.07 0815
Relinquished By — Date/Time	Received By — Date/Time
Relinquished By — Date/Time	Received By — Date/Time

Matrix *

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

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

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
799568940698	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express
798084752865	Delivered	Jan 13, 2007 8:22 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A130150, 151, 152, 153

- 5431 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: See Below
Initiated By:
Date 1.13.07
Time: 0815

Shipping Information

Shipper Name: Fed Ex

Shipping # (s):*

1. 7995 6894 0698
2. 7980 8475 2805
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N N/A

Sample Temperature (s):**

1. 2
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:

COC#5
W07-012-492
S07-001-115
-120
-114
S07-012-681
-576
-577
-562
-550
I07-016-15

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: 1/16/07

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

PNNL SC666 cut 3440

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-680**

Page 1 of 1

Collector D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	1H NF-N-506-4	**Ice Chest No.** BD **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7922 7136 3300
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
B1LM25		W	1-11-07	1056	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LM25		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. E. PARCHEN			JAN 11 2007 1430		Fed Ex		
Fed X			01-12-07 0920				01-12-07 0920

Matrix *

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

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

Track Shipments

Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790648458406	Delivered	Jan 12, 2007 9:19 AM	Earth City, MO	FedEx Express
792271363300	Delivered	Jan 12, 2007 9:19 AM	Earth City, MO	FedEx Express

Track more shipments

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STL St. Louis

Lot #(s): F7A120245, 255, 247

- 5486 -

Condition Upon Receipt Form

Client: PNNL
Quote No:
COC/RFA No: Below
Initiated By: SV
Date 01.12.07
Time: 0920

Shipping Information

Shipper Name: FedX
Shipping # (s):*

1. 7906 4845 8406
2. 7922 7136 3300
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 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: S07-010-31,32
W07-001-131, 173, 167
S07-012-680

Corrective Action:

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

Project Management Review: B. Lilley Date: 1/16/07

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

PNNL SL666 SL669

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-001-33**

Collector FLUOR HANFORD M.R. WEIL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JANUARY 2007	Logbook: HNF-N-506-3	**Ice Chest No.** SMC-438 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7916 1713 7819
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
B1LRK9 (F)		W	1/15/07	0946	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Selenium (1)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Thallium (1)	HNO3 to pH <2
B1LRK9 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Tin (1)	HNO3 to pH <2
B1LRL0		W			1x20-mL P	Activity Scan	None
B1LRL0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LRL0		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LRL0		W			4x40-mL aGs*	8260_VOA_GCMS: List-3 (56)	HCl or H2SO4 to pH <2 Cool 4C
B1LRL0		W			3x1000-mL aG	8040_PHENOLIC_GC: List-2 (19)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1LRL0		W			3x1000-mL aG	8270_SVOA_GCMS_IX: List-2 (124)	Cool 4C
B1LRL0		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	Cool 4C
B1LRL0		W			3x1000-mL aG	8082_PCB_GC: List-1 (7)	Cooled to 4C
B1LRL0		W			2x1000-mL aG	8150_HERBICIDE_GC: List-1 (4)	Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL	JAN 15 2007 1430	FEDEX	
Fed Ex		B-[illegible]	1/16/07 0910

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-001-33**

SAF No.	Contact/Requestor	Telephone No.	MSIN	FAX
W07-001	Dot Stewart	509-376-5056		

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LRL0		W	1/15/07	0946	1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C
B1LRL0		W	↓	↓	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool 4C
B1LRL0		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C

Received 1/15/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD	M.R. WEIL	[signature]	JAN 15 2007 1430	FEDEX			
Fed Ex				[signature]			1/16/07 0910

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-001-41

Collector FLUOR HANFORD M.R. WEIL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JANUARY 2007	Logbook: HNF-N-506-3	**Ice Chest No.** AFS04-050 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7912 1019 4636
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
B1LRL2 (F)		W	1/15/07	1159	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Selenium (1)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Thallium (1)	HNO3 to pH <2
B1LRL2 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Tin (1)	HNO3 to pH <2
B1LRL3		W			1x20-mL P	Activity Scan	None
B1LRL3		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LRL3		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LRL3		W			4x40-mL aGs*	8260_VOA_GCMS: List-3 (56)	HCl or H2SO4 to pH <2 Cool 4C
B1LRL3		W			3x1000-mL aG	8040_PHENOLIC_GC: List-2 (19)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1LRL3		W			3x1000-mL aG	8270_SVOA_GCMS_IX: List-2 (124)	Cool 4C
B1LRL3		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	Cool 4C
B1LRL3		W			3x1000-mL aG	8082_PCB_GC: List-1 (7)	Cooled to 4C
B1LRL3		W			2x1000-mL aG	8150_HERBICIDE_GC: List-1 (4)	Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL	JAN 15 2007 1430	FEDEX	
Fed Ex		B-D	1/16/07 0910

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 SL664 BTP 1-16-07 ~~SL-664~~

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-001-41**

SAF No.	Contact/Requestor	Telephone No.	MSIN	FAX
W07-001	Dot Stewart	509-376-5056		

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LRL3		W	1/15/07	1159	1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C
B1LRL3		W	↓	↓	3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool 4C
B1LRL3		W	↓	↓	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C

L. Wall 1/15/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD	M.B. WEIL	[signature]	JAN 15 2007 1430	FEDEX			
Relinquished By			Date/Time	Received By			Date/Time
Fed Ex				[signature]			1/16/07 0910
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil		DS	= Drum Solid	
SE	= Sediment		DL	= Drum 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
790158693477	Delivered	Jan 16, 2007 9:06 AM	Earth City, MO	FedEx Express
791210194636	Delivered	Jan 16, 2007 9:06 AM	Earth City, MO	FedEx Express
791617137819	Delivered	Jan 16, 2007 9:06 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A160161, 163, 169

- 5383 -

Condition Upon Receipt Form

Client: PINL
Quote No: 73750, 73499, 73724
COC/RFA No: See below
Initiated By: SO
Date: 1/16/07
Time: 0910

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7961 5869 3477
2. 7912 1019 4436
3. 7916 1713 7819
4.
5.
6.
7.
8.
9.
10.

Multiple Packages (Y) N N/A

Sample Temperature (s):**

1. 2
2. 2
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:
1. W07-012-18
2. W07-001-41
3. S07-001-433, W07-001-33

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: R. Riley Date: 1/24/07

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 SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-50

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-506 4	**Ice Chest No.** ERL-03-006 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7901 5933 6485 7980 8649
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
B1LH95		W	1-16-07	1145	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH96		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH97		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH98		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LH99 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LH99 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LHB0		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LHB0		W			1x20-mL P	Activity Scan	None
					1-16-07		

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. P. CONNOLLY			1420 JAN 16 2007	Fed Ex			
Relinquished By: Fed Ex			Date/Time	Received By: B-Dim			Date/Time 1/17/07 0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

PNNL SL 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-012-74

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, DECEMBER 2006	HNF-N-5064	**Ice Chest No.** RKP-03-006 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7901 5953 6485
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
B1LHF9		W	1-16-07	1245	1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHH0		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHH1		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHH2		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LHH3 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LHH3 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LHH4		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LHH4		W			1x20-mL P	Activity Scan	None

DLP
1-16-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. P. CONNOLLY			1400 JAN 16 2007	Fed Ex			
Fed Ex				B-Dil			1/17/07 0915

Matrix *

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

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

Track Shipments

Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790159536485	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express
798086499515	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A170162, 164, 165, 166

- 5503 -

Condition Upon Receipt Form

Client: DOE/AL
Quote No: 73499, 73724, 73443, 73609
COC/RFA No: See below
Initiated By: BO
Date: 1/17/07
Time: 0915

Shipping Information

Shipper Name: FE

Shipping # (s):*

1. 7901 5953 6485
2. 7980 8649 9515
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

Multiple Packages (Y) N N/A

Sample Temperature (s):**

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

**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. W07-012-50, 74, S07-012-~~682~~ 34, G07-012-56 BO 1/17/07
2. W07-061-29, S07-012-682

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: T. Lobing Date: 1/24/07

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 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-001-29**

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-001	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JANUARY 2007	ANF-N-5064	**Ice Chest No.** ERC-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8649 9515
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
B1LRK6 (F)		W	1-16-07	1000	1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-1 + Lithium (20)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Selenium (1)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Thallium (1)	HNO3 to pH <2
B1LRK6 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Tin (1)	HNO3 to pH <2
B1LRK7		W			1x20-mL P	Activity Scan	None
B1LRK7		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1LRK7		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1LRK7		W			4x40-mL aGs*	8260_VOA_GCMS: List-3 (56)	HCl or H2SO4 to pH <2 Cool 4C
B1LRK7		W			3x1000-mL aG	8040_PHENOLIC_GC: List-2 (19)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1LRK7		W			3x1000-mL aG	8270_SVOA_GCMS_IX: List-2 (124)	Cool 4C
B1LRK7		W			2x1000-mL aG	8081_PEST_GC: List-1 (19)	Cool 4C
B1LRK7		W			3x1000-mL aG	8082_PCB_GC: List-1 (7)	Cooled to 4C
B1LRK7		W			2x1000-mL aG	8150_HERBICIDE_GC: List-1 (4)	Cool 4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. P. CONNOLLY			1400 JAN 16 2007	Fed Ex			
Fed Ex							1/17/07 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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-001-29

SAF No.	Contact/Requestor	Telephone No.	MSIN	FAX
W07-001	Dot Stewart	509-376-5056		

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1LRK7		W	1-16-07	1000	1x250-mL G/P	9012_CYANIDE: Cyanide (1)	NaOH to pH >= 12 Cool 4C
B1LRK7		W			3x500-mL G/P	9030_SULFIDE: Sulfide (1)	ZnAc+NaOH to pH >9 Cool 4C
B1LRK7		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C

1-16-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Hanford D. P. CONNOLLY			JAN 16 2007 1400	Fed Ex			
Relinquished By: Fed Ex			Date/Time	Received By: B-Dip			Date/Time: 1/17/07 0915
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790159536485	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express
798086499515	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A170162, 164, 165, 166

- 5503 -

Condition Upon Receipt Form

Client: DNNL
Quote No: 73499, 73724, 73443, 73609
COC/RFA No: See below
Initiated By: BO
Date: 1/17/07
Time: 0915

Shipping Information

Shipper Name: FE

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7901 5953 6485
2. 7980 8649 9515
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
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.	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. W07-012-50, 74, S07-012-~~682~~ 34 BO 1/17/07, G07-012-56
2. W07-001-29, S07-012-682

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: T. Foley Date: 1/24/07

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 SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # S07-012-682

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-5064	**Ice Chest No.** ERC-1 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7980 8649 9515
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
B1LM27		W	1-16-07	1000	4x40-mL aGs*	8260_VOA_GCMS: List-2 (26)	HCl or H2SO4 to pH <2 Cool 4C
B1LM27		W	↓	↓	1x20-mL P	Activity Scan	None

1-16-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. P. CONNOLLY			JAN 16 2007 1400	Fed Ex			
Fed Ex			~~JAN 16 2007~~	B-Dip			1/17/07 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

PNNL SL666

Fluor Hanford

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-012-34**

Page 1 of 1

Collector D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2006	HNF-N-506 4	**Ice Chest No.** GRP-03-006 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7901 5953 6485
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
B1LC55 (F)		W	1-16-07	1245	1x500-mL G/P	6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
B1LC56		W	↓	↓	1x20-mL P	Activity Scan	None

1-16-07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. P. CONNOLLY			JAN 1 6 2007 1400	Fed Ex			
Fed Ex				B-A			1/17/07 0915

Matrix *

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

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

Track Shipments
Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790159536485	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express
798086499515	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A170162, 164, 165, 166

- 5503 -

Condition Upon Receipt Form

Client: ORNL
Quote No: 73499, 73724, 73443, 73609
COC/RFA No: See below
Initiated By: BO
Date: 1/17/07
Time: 0915

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7901 5953 6485
2. 7980 8649 9515
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
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.	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. W07-012-50, 74, S07-012-~~682~~ 34, G07-012-56 BO 1/17/07
2. W07-001-29, S07-012-682

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: R. Lolley Date: 1/24/07

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 SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # G07-012-56

Page 1 of 1

Collector: FLUOR HANFORD M.R. WEIL	Contact/Requester: Dot Stewart	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: G07-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 1NR2-RB, DECEMBER 2006	HNF-N-506-3	Ice Chest No.: GRP.03.006 Temp.
Shipped To (Lab): Severn Trent St. Louis	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: 7901 5953 6485
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
B1LK14 (F)		W	1-16-07	0931	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1LK15		W	↓	↓	1x500-mL P	300.0_ANIONS_IC: List-1 + Phosphate (6)	Cool 4C
B1LK15		W			1x20-mL P	Activity Scan	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
FLUOR HANFORD M.R. WEIL [signature]	JAN 16 2007 1430	FedEx	JAN 16 2007
Fed Ex		[signature]	1/17/07 0915

Matrix *

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

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

Track Shipments
Summary Results

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790159536485	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express
798086499515	Delivered	Jan 17, 2007 9:12 AM	Earth City, MO	FedEx Express

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STL St. Louis

Lot #(s): F7A170162, 164, 165, 166

- 5503 -

Condition Upon Receipt Form

Client: DOUL
COC/RFA No: See below
Date 1/17/07
Quote No: 73499, 73724, 73443, 73609
Initiated By: BO
Time: 0915

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7901 5953 6485
2. 7980 8649 9515
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 3
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.	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. W07-012-50, 74, S07-012-~~682~~ 34 BO 1/17/07, G07-012-56
2. W07-061-29, S07-012-682

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: K. Lacy Date: 1/24/07

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 666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-010-65**

Page 1 of 1

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, OCTOBER 2006	HNF-N-506-4	**Ice Chest No.** S4WS-0506 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 7922 7512 6783
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 GW samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1KT23 (F)		W	1-18-07	0730	1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1KT23 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1KT23 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1KT24		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1KT24		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1KT24		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1KT24		W			1x20-mL P	Activity Scan	None
B1KT24		W			3x1000-mL aG	8082_PCB_GC: List-1 (7)	Cooled to 4C
B1KT25		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT25		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT26		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT26		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT27		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT27		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT28		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT28		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford D. P. CONNOLLY	1420 JAN 18 2007	Fed Ex	
Fed Ex			01-19-07 0900

Matrix *

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

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

PNNL SL666

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # W07-010-64

Collector Fluor Hanford D. P. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, OCTOBER 2006	HNF-N-506 4	**Ice Chest No.** 9AW5-209 **Temp.**
Shipped To (Lab) Severn Trent St. Louis	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 79016164 4340
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 GW samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1KT17		W	1-18-07	1055	1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT17		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT18		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT18		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT19		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT19		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT20		W			1x1000-mL aGs*	9020_TOX: TOX (1)	H2SO4 to pH <2 Cool 4C
B1KT20		W			1x250-mL aGs*	9060_TOC: TOC (1)	HCl or H2SO4 to pH <2 Cool 4C
B1KT21 (F)		W			1x500-mL G/P	6010_METALS_ICP: List-3 (18)	HNO3 to pH <2
B1KT21 (F)		W			1x500-mL G	7470_HG_CVAA: Mercury (1)	HNO3 to pH <2
B1KT21 (F)		W			1x500-mL G/P	6020_METALS_ICPMS: Lead (1)	HNO3 to pH <2
B1KT22		W			3x1000-mL aG	8040_PHENOLIC_GC: List-1 (17)	Residual Chlorine 0.0008% Na2S2O3 Cool 4C
B1KT22		W			1x500-mL P	300.0_ANIONS_IC: List-1 (5)	Cool 4C
B1KT22		W			1x500-mL G/P	310.1_ALKALINITY: Alkalinity (1)	Cool 4C
B1KT22		W			1x20-mL P	Activity Scan	None
B1KT22		W			3x1000-mL aG	8082_PCB_GC: List-1 (7)	Cooled to 4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Fluor Hanford D. P. CONNOLLY	JAN 18 2007 1400	Fed Ex	
Fed Ex			01.19.07 0900

Matrix *

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

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

Track Shipments

Summary Results

Printable Version Quick Help

Single piece shipments

Tracking number	Status	Date/Time	Destination	Service
790161498973	Delivered	Jan 19, 2007 9:01 AM	Earth City, MO	FedEx Express
792275126783	Delivered	Jan 19, 2007 9:01 AM	Earth City, MO	FedEx Express
790161644340	Delivered	Jan 19, 2007 9:01 AM	Earth City, MO	FedEx Express
790653143529	Delivered	Jan 19, 2007 9:01 AM	Earth City, MO	FedEx Express

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STL St. Louis

- 5735 -

Lot #(s): F7A190249-250, F7A190269-252-, 245-

Condition Upon Receipt Form

Client: PNNL
COC/RFA No: below
Date: 01.19.07 SW 01.19.0
Quote No: 73443, 72780, 73499, 71771, 72642
Initiated By: SW
Time: 0900

Shipping Information

Shipper Name: FedX

Multiple Packages (Y) N N/A

Shipping # (s):*

1. 7901 6149 8973
2. 7922 7512 6783
3. 7901 6164 4340
4. 7906 5314 3529
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2°
2. 2°
3. 3°
4. 2°
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: S07-012-683
W07-010-65, 64
I06-054-40
S07-010-156, 155
W07-012-178, 328, 606

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

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

Project Management Review: D. Fellows Date: 1/24/07

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.