MONITORING PROGRAM ANNUAL REPORT

JANUARY - DECEMBER 2008

ANCHORAGE WATER AND WASTEWATER UTILITY

JOHN M. ASPLUND WATER POLLUTION CONTROL FACILITY
AT POINT WORONZOF

APPENDICES

Prepared for:

Prepared by:

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February 2009

APPENDICES

APPENDIX A Toxic Pollutant and Pesticide Monitoring, June Sampling

A1 Oil & Grease, Cyanide, and Metals, Priority Pollutants, Dioxin, Pesticides, and Hydrocarbons
TestAmerica Laboratories, Inc.

A2 Asbestos
Solar Environmental Services, Inc. and EMSL Analytical, Inc.

A3 Enterococci
Spectra Laboratories

APPENDIX B Toxic Pollutant and Pesticide Monitoring, August Sampling

B1 Oil & Grease, Cyanide, and Metals, Priority Pollutants, Dioxin, Pesticides, and Hydrocarbons
TestAmerica Laboratories, Inc.

B2 Asbestos
Solar Environmental Services, Inc. and EMSL Analytical, Inc.

B3 Enterococci
Spectra Laboratories

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C1 Total Suspended Solids and Cyanide
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C3 Polycyclic Aromatic Hydrocarbons
Texas A&M GERG

C4 Trace Metals
Battelle

C5 Intertidal Bacteria
Spectra Laboratories

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C8 Hydrographic Data Profiles
Kinnetic Laboratories, Inc.

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Kinnetic Laboratories, Inc.

APPENDIX A

Toxic Pollutant and Pesticide Monitoring, June Sampling

A1 Oil & Grease, Cyanide, Metals, Priority Pollutants, Dioxin, Pesticides, and Hydrocarbons

TestAmerica Laboratories, Inc.

JUNE SAMPLING, OIL & GREASE, CYANIDE, AND METALS
TESTAMERICA SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08O&G001	INFLUENT	SAMPLE
MOA08O&G002	EFFLUENT	SAMPLE
MOA08TCN009	INFLUENT	SAMPLE
MOA08TCN010	EFFLUENT	SAMPLE
MOA08TCN011	INFLUENT	SAMPLE
MOA08TCN012	EFFLUENT	SAMPLE
MOA08TCN013	INFLUENT	SAMPLE
MOA08TCN014	EFFLUENT	SAMPLE
MOA08MET001	INFLUENT	SAMPLE
MOA08MET002	EFFLUENT	SAMPLE
MOA08MET003	SLUDGE	SAMPLE
MOA08MET004	INFLUENT	SAMPLE
MOA08MET005	EFFLUENT	SAMPLE
MOA08MET006	INFLUENT	SAMPLE
MOA08MET007	EFFLUENT	SAMPLE

JUNE SAMPLING, PRIORITY POLLUTANTS, DIOXIN, PESTICIDES, AND HYDROCARBONS, TESTAMERICA SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08VOP001 - 008	INFLUENT	SAMPLE (COMPOSITE)
MOA08VOP009 - 016	EFFLUENT	SAMPLE (COMPOSITE)
MOA08VOP017	C-STATION	FIELD BLANK
MOA08VOP018	TRIP BLANK	TRIP BLANK
MOA08VOP019	SLUDGE	SAMPLE
MOA08DXN001	INFLUENT	SAMPLE
MOA08DXN002	EFFLUENT	SAMPLE
MOA08DXN003	SLUDGE	SAMPLE
MOA08SVL001	INFLUENT	SAMPLE
MOA08SVL002	EFFLUENT	SAMPLE
MOA08SVL003	SLUDGE	SAMPLE
MOA08PES001	INFLUENT-1	SAMPLE
MOA08PES002	INFLUENT-2	SAMPLE
MOA08PES003	EFFLUENT	FIELD/LAB DUPLICATE
MOA08PES004	SLUDGE	SAMPLE
MOA08PST001	INFLUENT-1	SAMPLE
MOA08PST002	INFLUENT-2	SAMPLE
MOA08PST003	EFFLUENT	FIELD/LAB DUPLICATE

APPENDIX A

Toxic Pollutant and Pesticide Monitoring, June Sampling

A1 Oil & Grease, Cyanide, Metals, Priority Pollutants, Dioxin, Pesticides, and Hydrocarbons

TestAmerica Laboratories, Inc.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8F190366

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TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 23, 2008

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CASE NARRATIVE
D8F190366

The following report contains the analytical results for twenty-four samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received June 19, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 4.6°C, 1.9°C, and 3.2°C.

No anomalies were observed.

GC/MS Volatiles– Method 624/8260B

Sample MOA08VOP019 was analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

Low levels of Methylene Chloride are present in the method blank associated with QC batch 8175145. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Laboratory generated MS/MSD analysis data have been provided in batch 8175145. The MS/MSD for method 624 exhibited spike compound recoveries outside the QC limits for Acetone. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Low levels of 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and 1,1,2,2-Tetrachloroethane are present in the method blank associated with QC batch 8177186. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Laboratory generated MS/MSD analysis data have been provided in batch 8177186. The MS/MSD for method 8260 exhibited spike compound recoveries outside the QC limits for multiple compounds. The surrogate for Dibromofluoromethane was also outside of QC limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

The Initial Calibration (ICAL) standards associated with samples in batch 8175145 demonstrated a %Relative Standard Deviation (%RSD) value out of range for Acrolein and 2-Chloroethyl vinyl ether. The overall mean %RSD is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles– Method 625/8270C

Samples MOA08SVL001, MOA08SVL002, and MOA08SVL003 were analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 625 could not be calculated for samples MOA08SVL001 and MOA08SVL002, because the extract was diluted beyond the ability to quantitate a recovery.

The surrogate recovery for method 8270 could not be calculated for sample MOA08SVL003, because the extract was diluted beyond the ability to quantitate a recovery.

Low levels of bis(2-Ethylhexyl) phthalate are present in the method blank associated with QC batch 8172140. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the MS/MSD performed on sample MOA08SVL001, because the sample was diluted beyond the ability to quantitate recoveries.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the laboratory generated MS/MSD in batch 8177076, because the sample was diluted beyond the ability to quantitate recoveries.

No other anomalies were observed.

GC Volatiles– Method 602

The RPD between the primary and confirmation columns exceeded 40% for o-Xylenes and Xylenes(total) in sample MOA08VOA008. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

No other anomalies were observed.

GC Semivolatiles– Method 608/8081A/8082

Samples MOA08PES001, MOA08PES002, MOA08PES003, and MOA08PES004 were analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 608 could not be calculated for samples MOA08PES001, MOA08PES002 and MOA08PES003, because the extract was diluted beyond the ability to quantitate a recovery.

The surrogate recovery for method 8081A could not be calculated for sample MOA08PES004, because the extract was diluted beyond the ability to quantitate a recovery.

The RPD between the primary and confirmation columns exceeded 40% for Methoxychlor in sample MOA08PES004. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

Duplicate LCSs were prepared in batch 8176380. Recoveries for one of the pair were below lower control limits for Endrin Aldehyde. Because the LCS or LCSD was within control limits and associated samples were ND, corrective action was not taken. The samples were initially run on July 10, 2008 and due to QC failure were being sent back for Re-extraction. The lab manager re-florisiled the original extracts instead and cancelled the re-extraction request, therefore, the samples were still in hold when re-analyzed on 07/19/08. The florisil cleanup method appears to be removing the Endrin Aldehyde from the LCS. New recovery limits are being established for this compound.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8176380 exhibited %Difference (%D) values out of range for 4,4-DDT, Methoxychlor, Toxaphene, and Endosulfan II . The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8176144 exhibited %Difference (%D) values out of range for Chlorobenzilate, Kepone, and Endosulfan II. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the MS/MSD performed on sample MOA08PES003, because the sample was diluted beyond the ability to quantitate recoveries.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the laboratory generated MS/MSD in batch 8176144, because the sample was diluted beyond the ability to quantitate recoveries.

The method 8082 required MS/MSD could not be performed for batch 8176143, due to insufficient sample volume submitted. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed.

GC Semivolatiles– Method 614/8141A

Sample MOA08PES004 was analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 8141A could not be calculated for sample MOA08PES004, because the extract was diluted beyond the ability to quantitate a recovery.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the MS/MSD performed on sample MOA08PES004, because the sample was diluted beyond the ability to quantitate recoveries.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8175189 exhibited %Difference (%D) values out of range for Parathion, Azinphos-methyl, Chlormefos, Methyl parathion, Malathion, and Total Demeton. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8176360 exhibited %Difference (%D) values out of range for Parathion. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

No other anomalies were observed.

Total Metals – Method 200.8/245.1/6020/7471A

Low levels of Chromium and Molybdenum are present in the method blank associated with QC batch 8176465. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Low levels of Copper are present in the method blank associated with QC batch 8175120. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Chromium and Zinc are present at a level greater than the reporting limit in the method blank associated with QC batch 8175120. As the associated sample amounts are ten times greater than the method blank concentration, corrective action is deemed unnecessary.

Percent recoveries and RPD data could not be calculated for the laboratory generated Mercury MS/MSD in batch 8172216, due to the sample concentration reading greater than four times the spike amount.

Percent recoveries and RPD data could not be calculated for the laboratory generated Copper and Zinc MS/MSD in batch 8175120, due to the sample concentration reading greater than four times the spike amount.

Laboratory generated MS/MSD analysis data have been provided in batch 8175120. The MS/MSD for method 6020 exhibited spike recoveries outside the QC limits for Antimony, Arsenic, Chromium, Selenium, and Silver. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided in batch 8175396. The MS/MSD for method 7471A exhibited spike recoveries outside the QC limits for Mercury. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1

No anomalies were observed.

General Chemistry – Various

The method required MS/MSD could not be performed for batch 8173080, due to insufficient sample volume submitted. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8F190366

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08VOP001-008 06/18/08 05:55 001				
Xylenes (total)	9.1 J	10	ug/L	CFR136A 624
Chloroform	2.3 J	5.0	ug/L	CFR136A 624
Ethylbenzene	1.6 J	5.0	ug/L	CFR136A 624
Methylene chloride	5.3 B	5.0	ug/L	CFR136A 624
Tetrachloroethene	1.8 J	5.0	ug/L	CFR136A 624
Toluene	11	5.0	ug/L	CFR136A 624
MOA08VOP009-016 06/18/08 06:05 002				
Xylenes (total)	4.5 J	10	ug/L	CFR136A 624
Chloroform	3.0 J	5.0	ug/L	CFR136A 624
Ethylbenzene	0.76 J	5.0	ug/L	CFR136A 624
Methylene chloride	3.4 J,B	5.0	ug/L	CFR136A 624
Tetrachloroethene	0.94 J	5.0	ug/L	CFR136A 624
Toluene	6.8	5.0	ug/L	CFR136A 624
MOA08VOP018 06/18/08 09:00 004				
Methylene chloride	1.7 J,B	5.0	ug/L	CFR136A 624
MOA08VOP019 06/18/08 06:00 005				
1,4-Dichlorobenzene	530 J,B	1700	ug/kg	SW846 8260B
Tetrachloroethene	190 J	1700	ug/kg	SW846 8260B
Toluene	980 J	1700	ug/kg	SW846 8260B
Percent Moisture	70	0.10	%	MCAWW 160.3 MOD
MOA08PES004 06/18/08 06:00 009				
Methoxychlor	27 J,COL	56	ug/kg	SW846 8081A
Percent Moisture	70	0.10	%	MCAWW 160.3 MOD
MOA08PST001 06/18/08 09:00 010				
Malathion	1.0 J	1.2	ug/L	MCAWW 614
MOA08PST002 06/18/08 09:00 011				
Malathion	1.0 J	1.2	ug/L	MCAWW 614

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08TCN009 06/18/08 09:00 013				
Total Cyanide	0.0025 B	0.010	mg/L	SM18 4500-CN E
MOA08TCN010 06/18/08 09:00 014				
Total Cyanide	0.0090 B	0.010	mg/L	SM18 4500-CN E
MOA08MET001 06/18/08 09:00 015				
Silver - DISSOLVED	0.21 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.2 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	6.5	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	1.6 B	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.2	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.29 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.20 B	2.0	ug/L	MCAWW 200.8
Thallium - DISSOLVED	0.040 B	1.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	7.0 B	10	ug/L	MCAWW 200.8
Mercury	0.14 B	0.20	ug/L	MCAWW 245.1
Silver	3.2	1.0	ug/L	MCAWW 200.8
Arsenic	3.2 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.67 B	1.0	ug/L	MCAWW 200.8
Chromium	8.0 J	3.0	ug/L	MCAWW 200.8
Copper	92	2.0	ug/L	MCAWW 200.8
Molybdenum	9.8 J	2.0	ug/L	MCAWW 200.8
Nickel	6.5	2.0	ug/L	MCAWW 200.8
Lead	13	1.0	ug/L	MCAWW 200.8
Antimony	1.1 B	2.0	ug/L	MCAWW 200.8
Selenium	1.3 B	5.0	ug/L	MCAWW 200.8
Zinc	290	10	ug/L	MCAWW 200.8
MOA08MET002 06/18/08 09:00 016				
Silver - DISSOLVED	0.51 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.1 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	14	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	6.4	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.7	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.78 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.39 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	20	10	ug/L	MCAWW 200.8
Mercury	0.047 B	0.20	ug/L	MCAWW 245.1
Silver	1.3	1.0	ug/L	MCAWW 200.8
Arsenic	2.5 B	5.0	ug/L	MCAWW 200.8

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EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET002 06/18/08 09:00 016				
Cadmium	0.51 B	1.0	ug/L	MCAWW 200.8
Chromium	2.3 B,J	3.0	ug/L	MCAWW 200.8
Copper	36	2.0	ug/L	MCAWW 200.8
Molybdenum	6.4 J	2.0	ug/L	MCAWW 200.8
Nickel	2.5	2.0	ug/L	MCAWW 200.8
Lead	2.8	1.0	ug/L	MCAWW 200.8
Antimony	0.57 B	2.0	ug/L	MCAWW 200.8
Selenium	1.3 B	5.0	ug/L	MCAWW 200.8
Zinc	120	10	ug/L	MCAWW 200.8
MOA08MET003 06/18/08 06:00 017				
Silver	6000	330	ug/kg	SW846 6020
Arsenic	4700	2000	ug/kg	SW846 6020
Beryllium	80 B	330	ug/kg	SW846 6020
Cadmium	1400	330	ug/kg	SW846 6020
Chromium	24000 J	670	ug/kg	SW846 6020
Copper	210000 J	840	ug/kg	SW846 6020
Molybdenum	4600	670	ug/kg	SW846 6020
Nickel	11000	500	ug/kg	SW846 6020
Lead	19000	500	ug/kg	SW846 6020
Antimony	1200	670	ug/kg	SW846 6020
Selenium	2500	1700	ug/kg	SW846 6020
Thallium	24 B	330	ug/kg	SW846 6020
Zinc	550000 J	3300	ug/kg	SW846 6020
Mercury	900	57	ug/kg	SW846 7471A
Total Cyanide	0.71 B	1.7	mg/kg	SW846 9010B/9012A
Percent Solids	30	0.10	%	SM18 2540B
Percent Moisture	70	0.10	%	MCAWW 160.3 MOD
MOA08SVL001 06/18/08 09:00 018				
Diethyl phthalate	7.7 J	200	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	37 J,B	100	ug/L	CFR136A 625
Phenol	33 J	100	ug/L	CFR136A 625
MOA08SVL002 06/18/08 09:00 019				
Diethyl phthalate	7.7 J	200	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	33 J,B	100	ug/L	CFR136A 625
Phenol	23 J	100	ug/L	CFR136A 625

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EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08SVL003 06/18/08 06:00 020				
bis(2-Ethylhexyl) phthalate	20000	11000	ug/kg	SW846 8270C
Phenanthrene	790 J	11000	ug/kg	SW846 8270C
Percent Moisture	70	0.10	%	MCAWW 160.3 MOD
MOA08O&G001 06/17/08 13:00 021				
HEM (Oil and Grease)	44	5.0	mg/L	CFR136A 1664A HEM
MOA08O&G002 06/16/08 12:55 022				
HEM (Oil and Grease)	28	5.0	mg/L	CFR136A 1664A HEM
MOA08VOA008 06/17/08 12:06 023				
Ethylbenzene	0.86	0.50	ug/L	CFR136A 602
Toluene	6.4	0.50	ug/L	CFR136A 602
o-Xylene	0.75 COL	0.50	ug/L	CFR136A 602
Xylenes (total)	2.5 COL	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	1.8	0.50	ug/L	CFR136A 602

METHODS SUMMARY

D8F190366

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Base/Neutrals and Acids	CFR136A 625	CFR136A 625
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	CFR136A 1664
Organochlorine Pesticides	SW846 8081A	SW846 3550B
Organochlorine Pesticides and PCBs	CFR136A 608	CFR136A 608
Organophosphorous Compounds by GC	SW846 8141A	
Organophosphorus Pests. by GC	MCAWW 614	MCAWW 614
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Purgeable Aromatics	CFR136A 602	CFR136A 602
Purgeables	CFR136A 624	CFR136A 624
PCBs by SW-846 8082	SW846 8082	SW846 3550B/366
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Total cyanide	SM18 4500-CN E	SM18 4500-CN E
Total Cyanide	SW846 9010B/901	SW846 9010B
Total Solids	SM18 2540B	SM18 2540 B
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

METHOD / ANALYST SUMMARY

D8F190366

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 1664A HEM	Erica Arteaga	005682
CFR136A 602	Adam Pavlakovich	003128
CFR136A 608	Dennis Jonsrud	009226
CFR136A 608	Teresa L. Williams	002510
CFR136A 624	Jon Laviolette	006191
CFR136A 625	Jacob McIvor	000283
MCAWW 160.3 MOD	Erica Arteaga	005682
MCAWW 200.8	Thomas Lill	006929
MCAWW 200.8	Thomas Lill	6929
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	009582
MCAWW 245.1	Christopher Grisdale	9582
MCAWW 614	Teresa L. Williams	002510
SM18 2540B	Erica Arteaga	005682
SM18 4500-CN E	Ewa Kudla	001167
SW846 6020	Thomas Lill	006929
SW846 6020	Thomas Lill	6929
SW846 7471A	Christopher Grisdale	9582
SW846 8081A	Dennis Jonsrud	009226
SW846 8082	Teresa L. Williams	002510
SW846 8141A	Teresa L. Williams	002510
SW846 8260B	Dan Appelhans	001008
SW846 8270C	Rwanda Todea	005716
SW846 9010B/9012A	Ewa Kudla	001167

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

SAMPLE SUMMARY

D8F190366

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KP9NJ	001	MOA08VOP001-008	06/18/08	05:55
KP9N9	002	MOA08VOP009-016	06/18/08	06:05
KP9PC	003	MOA08VOP017	06/18/08	09:00
KP9PD	004	MOA08VOP018	06/18/08	09:00
KP9PE	005	MOA08VOP019	06/18/08	06:00
KP9PF	006	MOA08PES001	06/18/08	09:00
KP9PH	007	MOA08PES002	06/18/08	09:00
KP9PJ	008	MOA08PES003	06/18/08	09:00
KP9PK	009	MOA08PES004	06/18/08	06:00
KP9PL	010	MOA08PST001	06/18/08	09:00
KP9PN	011	MOA08PST002	06/18/08	09:00
KP9PP	012	MOA08PST003	06/18/08	09:00
KP9PQ	013	MOA08TCN009	06/18/08	09:00
KP9PR	014	MOA08TCN010	06/18/08	09:00
KP9PT	015	MOA08MET001	06/18/08	09:00
KP9PV	016	MOA08MET002	06/18/08	09:00
KP9PW	017	MOA08MET003	06/18/08	06:00
KP9PX	018	MOA08SVL001	06/18/08	09:00
KP9P0	019	MOA08SVL002	06/18/08	09:00
KP9P1	020	MOA08SVL003	06/18/08	06:00
KP9P2	021	MOA08O&G001	06/17/08	13:00
KP9P3	022	MOA08O&G002	06/16/08	12:55
KP9P4	023	MOA08VOA008	06/17/08	12:06
KP9P5	024	MOA08VOA011	06/17/08	12:06

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP001-008

GC/MS Volatiles

Lot-Sample #...: D8F190366-001 **Work Order #...:** KP9NJ1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 05:55 **Date Received..:** 06/19/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 19:50
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	**9.1 J**	**10**	**ug/L**	**1.4**
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	**2.3 J**	**5.0**	**ug/L**	**1.1**
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	**1.6 J**	**5.0**	**ug/L**	**0.60**
Methylene chloride	**5.3 B**	**5.0**	**ug/L**	**0.58**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	**1.8 J**	**5.0**	**ug/L**	**0.72**
Toluene	**11**	**5.0**	**ug/L**	**0.92**
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(73 - 122)
4-Bromofluorobenzene	109	(79 - 119)
Toluene-d8	104	(80 - 120)

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.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP009-016

GC/MS Volatiles

Lot-Sample #...: D8F190366-002 **Work Order #...:** KP9N91AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 06:05 **Date Received..:** 06/19/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 20:13
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	**4.5 J**	**10**	**ug/L**	**1.4**
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	**3.0 J**	**5.0**	**ug/L**	**1.1**
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	**0.76 J**	**5.0**	**ug/L**	**0.60**
Methylene chloride	**3.4 J,B**	**5.0**	**ug/L**	**0.58**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	**0.94 J**	**5.0**	**ug/L**	**0.72**
Toluene	**6.8**	**5.0**	**ug/L**	**0.92**
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(73 - 122)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	105	(80 - 120)

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.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP017

GC/MS Volatiles

Lot-Sample #...: D8F190366-003 **Work Order #...:** KP9PC1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 20:35
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	10	ug/L	1.4
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	ND	5.0	ug/L	1.1
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	ND	5.0	ug/L	0.58
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	ND	5.0	ug/L	0.92
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(73 - 122)
4-Bromofluorobenzene	107	(79 - 119)
Toluene-d8	104	(80 - 120)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP018

GC/MS Volatiles

Lot-Sample #...: D8F190366-004 **Work Order #...:** KP9PD1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 20:57
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	10	ug/L	1.4
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	ND	5.0	ug/L	1.1
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	**1.7 J,B**	**5.0**	**ug/L**	**0.58**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	ND	5.0	ug/L	0.92
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(73 - 122)
4-Bromofluorobenzene	108	(79 - 119)
Toluene-d8	102	(80 - 120)

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.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP019

GC/MS Volatiles

Lot-Sample #...: D8F190366-005 **Work Order #...:** KP9PE1AC **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/24/08
Prep Batch #...: 8177186 **Analysis Time..:** 16:05
Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chloroethyl vinyl ether	ND	17000	ug/kg	720
Benzene	ND	1700	ug/kg	300
Bromodichloromethane	ND	1700	ug/kg	270
Bromoform	ND	1700	ug/kg	200
Bromomethane	ND	3400	ug/kg	300
Carbon tetrachloride	ND	1700	ug/kg	110
Chlorobenzene	ND	1700	ug/kg	200
Chloroethane	ND	3400	ug/kg	300
Chloroform	ND	1700	ug/kg	310
Chloromethane	ND	3400	ug/kg	340
1,2-Dichlorobenzene	ND	1700	ug/kg	630
1,3-Dichlorobenzene	ND	1700	ug/kg	280
1,4-Dichlorobenzene	**530 J,B**	**1700**	**ug/kg**	**170**
1,1-Dichloroethane	ND	1700	ug/kg	340
1,2-Dichloroethane	ND	1700	ug/kg	170
1,1-Dichloroethene	ND	1700	ug/kg	340
trans-1,2-Dichloroethene	ND	1700	ug/kg	300
1,2-Dichloropropane	ND	1700	ug/kg	310
cis-1,3-Dichloropropene	ND	1700	ug/kg	180
trans-1,3-Dichloropropene	ND	1700	ug/kg	280
Ethylbenzene	ND	1700	ug/kg	230
Methylene chloride	ND	1700	ug/kg	470
1,1,2,2-Tetrachloroethane	ND	1700	ug/kg	200
Tetrachloroethene	**190 J**	**1700**	**ug/kg**	**180**
Toluene	**980 J**	**1700**	**ug/kg**	**260**
1,1,1-Trichloroethane	ND	1700	ug/kg	140
1,1,2-Trichloroethane	ND	1700	ug/kg	180
Trichloroethene	ND	1700	ug/kg	160
Trichlorofluoromethane	ND	3400	ug/kg	340
Vinyl chloride	ND	1700	ug/kg	180
Xylenes (total)	ND	1700	ug/kg	240
Dibromochloromethane	ND	1700	ug/kg	220

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	76	(46 - 134)
1,2-Dichloroethane-d4	79	(34 - 136)
Toluene-d8	72	(34 - 141)
4-Bromofluorobenzene	77	(40 - 142)

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP019

GC/MS Volatiles

Lot-Sample #...: D8F190366-005 **Work Order #...:** KP9PE1AC **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL001

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-018 **Work Order #...:** KP9PX1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/25/08
Prep Batch #...: 8172140 **Analysis Time..:** 13:15
Dilution Factor: 10

Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(a)pyrene	ND	100	ug/L	3.1
Benzo(b)fluoranthene	ND	100	ug/L	5.3
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(k)fluoranthene	ND	100	ug/L	4.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	200	ug/L	10
bis(2-Chloroethoxy) methane	ND	100	ug/L	9.7
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	2.8
4-Chloro-3-methylphenol	ND	200	ug/L	9.0
2-Chloronaphthalene	ND	100	ug/L	2.6
2-Chlorophenol	ND	100	ug/L	20
4-Chlorophenyl phenyl ether	ND	100	ug/L	2.7
Chrysene	ND	100	ug/L	5.4
Dibenz(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	200	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.3
1,3-Dichlorobenzene	ND	100	ug/L	3.0
1,4-Dichlorobenzene	ND	100	ug/L	3.2
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	6.4
Diethyl phthalate	**7.7 J**	**200**	**ug/L**	**3.8**
2,4-Dimethylphenol	ND	100	ug/L	5.8
Dimethyl phthalate	ND	200	ug/L	2.1
2-Methyl-4,6-dinitro-phenol	ND	600	ug/L	40
2,4-Dinitrophenol	ND	600	ug/L	100
2,4-Dinitrotoluene	ND	200	ug/L	2.2
2,6-Dinitrotoluene	ND	200	ug/L	3.2

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL001

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-018 **Work Order #...:** KP9PX1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-octyl phthalate	ND	200	ug/L	3.5
bis(2-Ethylhexyl) phthalate	**37 J,B**	**100**	**ug/L**	**5.6**
Fluoranthene	ND	200	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	ND	100	ug/L	2.9
Nitrobenzene	ND	200	ug/L	8.1
2-Nitrophenol	ND	200	ug/L	3.9
4-Nitrophenol	ND	500	ug/L	12
N-Nitrosodi-n-propyl-amine	ND	200	ug/L	3.5
Pentachlorophenol	ND	600	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**33 J**	**100**	**ug/L**	**20**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	2.8
2,4,6-Trichloro-phenol	ND	200	ug/L	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL002

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-019 **Work Order #...:** KP9P01AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/25/08
Prep Batch #...: 8172140 **Analysis Time..:** 12:36
Dilution Factor: 10

Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(a)pyrene	ND	100	ug/L	3.1
Benzo(b)fluoranthene	ND	100	ug/L	5.3
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(k)fluoranthene	ND	100	ug/L	4.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	200	ug/L	10
bis(2-Chloroethoxy) methane	ND	100	ug/L	9.7
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	2.8
4-Chloro-3-methylphenol	ND	200	ug/L	9.0
2-Chloronaphthalene	ND	100	ug/L	2.6
2-Chlorophenol	ND	100	ug/L	20
4-Chlorophenyl phenyl ether	ND	100	ug/L	2.7
Chrysene	ND	100	ug/L	5.4
Dibenz(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	200	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.3
1,3-Dichlorobenzene	ND	100	ug/L	3.0
1,4-Dichlorobenzene	ND	100	ug/L	3.2
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	6.4
Diethyl phthalate	**7.7 J**	**200**	**ug/L**	**3.8**
2,4-Dimethylphenol	ND	100	ug/L	5.8
Dimethyl phthalate	ND	200	ug/L	2.1
2-Methyl-4,6-dinitro-phenol	ND	600	ug/L	40
2,4-Dinitrophenol	ND	600	ug/L	100
2,4-Dinitrotoluene	ND	200	ug/L	2.2
2,6-Dinitrotoluene	ND	200	ug/L	3.2

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL002

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-019 **Work Order #...:** KP9P01AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-octyl phthalate	ND	200	ug/L	3.5
bis(2-Ethylhexyl) phthalate	**33 J,B**	**100**	**ug/L**	**5.6**
Fluoranthene	ND	200	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	ND	100	ug/L	2.9
Nitrobenzene	ND	200	ug/L	8.1
2-Nitrophenol	ND	200	ug/L	3.9
4-Nitrophenol	ND	500	ug/L	12
N-Nitrosodi-n-propyl-amine	ND	200	ug/L	3.5
Pentachlorophenol	ND	600	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**23 J**	**100**	**ug/L**	**20**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	2.8
2,4,6-Trichloro-phenol	ND	200	ug/L	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL003

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-020 **Work Order #...:** KP9P11AC **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/25/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8177076 **Analysis Time..:** 22:13
Dilution Factor: 10

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Isophorone	ND	11000	ug/kg	560
1,2-Dichlorobenzene	ND	11000	ug/kg	730
1,2,4-Trichloro-benzene	ND	11000	ug/kg	930
1,3-Dichlorobenzene	ND	11000	ug/kg	400
1,4-Dichlorobenzene	ND	11000	ug/kg	450
Acenaphthene	ND	11000	ug/kg	340
Acenaphthylene	ND	11000	ug/kg	560
Anthracene	ND	11000	ug/kg	560
Benzo(a)anthracene	ND	11000	ug/kg	660
Benzo(b)fluoranthene	ND	11000	ug/kg	870
Benzo(k)fluoranthene	ND	11000	ug/kg	1300
Benzo(ghi)perylene	ND	11000	ug/kg	530
Benzo(a)pyrene	ND	11000	ug/kg	660
bis(2-Chloroethoxy) methane	ND	11000	ug/kg	760
bis(2-Chloroethyl)-ether	ND	11000	ug/kg	550
bis(2-Ethylhexyl) phthalate	**20000**	**11000**	**ug/kg**	**1500**
4-Bromophenyl phenyl ether	ND	11000	ug/kg	630
Butyl benzyl phthalate	ND	11000	ug/kg	1400
4-Chloro-3-methylphenol	ND	11000	ug/kg	2200
2-Chloronaphthalene	ND	11000	ug/kg	330
2-Chlorophenol	ND	11000	ug/kg	700
4-Chlorophenyl phenyl ether	ND	11000	ug/kg	700
Chrysene	ND	11000	ug/kg	890
Dibenz(a,h)anthracene	ND	11000	ug/kg	630
Di-n-butyl phthalate	ND	11000	ug/kg	960
3,3'-Dichlorobenzidine	ND	22000	ug/kg	3000
2,4-Dichlorophenol	ND	11000	ug/kg	330
Diethyl phthalate	ND	22000	ug/kg	860
2,4-Dimethylphenol	ND	11000	ug/kg	2200
Dimethyl phthalate	ND	11000	ug/kg	760
4,6-Dinitro-2-methylphenol	ND	53000	ug/kg	11000

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL003

GC/MS Semivolatiles

Lot-Sample #...: D8F190366-020 **Work Order #...:** KP9P11AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	53000	ug/kg	11000
2,4-Dinitrotoluene	ND	11000	ug/kg	2200
2,6-Dinitrotoluene	ND	11000	ug/kg	930
Di-n-octyl phthalate	ND	11000	ug/kg	480
Fluoranthene	ND	11000	ug/kg	1200
Fluorene	ND	11000	ug/kg	600
Hexachlorobenzene	ND	11000	ug/kg	960
Hexachloroethane	ND	11000	ug/kg	710
Indeno(1,2,3-cd)pyrene	ND	11000	ug/kg	730
Naphthalene	ND	11000	ug/kg	1000
Nitrobenzene	ND	11000	ug/kg	730
2-Nitrophenol	ND	11000	ug/kg	330
4-Nitrophenol	ND	53000	ug/kg	3200
N-Nitrosodi-n-propyl-amine	ND	11000	ug/kg	1000
Pentachlorophenol	ND	53000	ug/kg	11000
Phenanthrene	**790 J**	**11000**	**ug/kg**	**560**
Phenol	ND	11000	ug/kg	600
Pyrene	ND	11000	ug/kg	400
2,4,6-Trichloro-phenol	ND	11000	ug/kg	330
bis(2-Chloroisopropyl) ether	ND	11000	ug/kg	760
Hexachlorobutadiene	ND	11000	ug/kg	330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(34 - 120)
Phenol-d5	NC,DIL	(37 - 120)
Nitrobenzene-d5	NC,DIL	(36 - 120)
2-Fluorobiphenyl	NC,DIL	(36 - 120)
2,4,6-Tribromophenol	NC,DIL	(30 - 120)
Terphenyl-d14	NC,DIL	(28 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES001

GC Semivolatiles

Lot-Sample #...: D8F190366-006 **Work Order #...:** KP9PF1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380 **Analysis Time..:** 12:46
Dilution Factor: 5

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Endosulfan I	ND	0.25	ug/L	0.029
Endosulfan II	ND	0.50	ug/L	0.035
Endosulfan sulfate	ND	0.50	ug/L	0.028
Endrin	ND	0.50	ug/L	0.040
Endrin aldehyde	ND	0.50	ug/L	0.044
Endrin ketone	ND	0.50	ug/L	0.035
Heptachlor	ND	0.25	ug/L	0.038
Heptachlor epoxide	ND	0.25	ug/L	0.038
Methoxychlor	ND	2.5	ug/L	0.065
Mirex	ND	0.25	ug/L	0.014
Aldrin	ND	0.25	ug/L	0.030
alpha-BHC	ND	0.25	ug/L	0.026
beta-BHC	ND	0.25	ug/L	0.044
delta-BHC	ND	0.25	ug/L	0.029
gamma-BHC (Lindane)	ND	0.25	ug/L	0.034
Chlordane (technical)	ND	2.5	ug/L	0.70
alpha-Chlordane	ND	0.25	ug/L	0.026
gamma-Chlordane	ND	0.25	ug/L	0.046
4,4'-DDD	ND	0.50	ug/L	0.038
4,4'-DDE	ND	0.50	ug/L	0.038
4,4'-DDT	ND	0.50	ug/L	0.074
Dieldrin	ND	0.50	ug/L	0.032

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(52 - 117)
Decachlorobiphenyl	NC,DIL	(32 - 144)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES001

GC Semivolatiles

Lot-Sample #...: D8F190366-006 **Work Order #...:** KP9PF2AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176380 **Analysis Time..:** 00:58
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(52 - 117)
Decachlorobiphenyl	34	(32 - 144)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES002

GC Semivolatiles

Lot-Sample #...: D8F190366-007 **Work Order #...:** KP9PH1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380 **Analysis Time..:** 13:03
Dilution Factor: 5

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Endosulfan I	ND	0.25	ug/L	0.029
Endosulfan II	ND	0.50	ug/L	0.035
Endosulfan sulfate	ND	0.50	ug/L	0.028
Endrin	ND	0.50	ug/L	0.040
Endrin aldehyde	ND	0.50	ug/L	0.044
Endrin ketone	ND	0.50	ug/L	0.035
Heptachlor	ND	0.25	ug/L	0.038
Heptachlor epoxide	ND	0.25	ug/L	0.038
Methoxychlor	ND	2.5	ug/L	0.065
Mirex	ND	0.25	ug/L	0.014
Aldrin	ND	0.25	ug/L	0.030
alpha-BHC	ND	0.25	ug/L	0.026
beta-BHC	ND	0.25	ug/L	0.044
delta-BHC	ND	0.25	ug/L	0.029
gamma-BHC (Lindane)	ND	0.25	ug/L	0.034
Chlordane (technical)	ND	2.5	ug/L	0.70
alpha-Chlordane	ND	0.25	ug/L	0.026
gamma-Chlordane	ND	0.25	ug/L	0.046
4,4'-DDD	ND	0.50	ug/L	0.038
4,4'-DDE	ND	0.50	ug/L	0.038
4,4'-DDT	ND	0.50	ug/L	0.074
Dieldrin	ND	0.50	ug/L	0.032

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(52 - 117)
Decachlorobiphenyl	NC,DIL	(32 - 144)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES002

GC Semivolatiles

Lot-Sample #...: D8F190366-007 **Work Order #...:** KP9PH2AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176380 **Analysis Time..:** 01:19
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(52 - 117)
Decachlorobiphenyl	33	(32 - 144)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES003

GC Semivolatiles

Lot-Sample #...: D8F190366-008 **Work Order #...:** KP9PJ1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380 **Analysis Time..:** 13:20
Dilution Factor: 5

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Endosulfan I	ND	0.25	ug/L	0.029
Endosulfan II	ND	0.50	ug/L	0.035
Endosulfan sulfate	ND	0.50	ug/L	0.028
Endrin	ND	0.50	ug/L	0.040
Endrin aldehyde	ND	0.50	ug/L	0.044
Endrin ketone	ND	0.50	ug/L	0.035
Heptachlor	ND	0.25	ug/L	0.038
Heptachlor epoxide	ND	0.25	ug/L	0.038
Methoxychlor	ND	2.5	ug/L	0.065
Mirex	ND	0.25	ug/L	0.014
Aldrin	ND	0.25	ug/L	0.030
alpha-BHC	ND	0.25	ug/L	0.026
beta-BHC	ND	0.25	ug/L	0.044
delta-BHC	ND	0.25	ug/L	0.029
gamma-BHC (Lindane)	ND	0.25	ug/L	0.034
Chlordane (technical)	ND	2.5	ug/L	0.70
alpha-Chlordane	ND	0.25	ug/L	0.026
gamma-Chlordane	ND	0.25	ug/L	0.046
4,4'-DDD	ND	0.50	ug/L	0.038
4,4'-DDE	ND	0.50	ug/L	0.038
4,4'-DDT	ND	0.50	ug/L	0.074
Dieldrin	ND	0.50	ug/L	0.032

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(52 - 117)
Decachlorobiphenyl	NC,DIL	(32 - 144)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES003

GC Semivolatiles

Lot-Sample #...: D8F190366-008 **Work Order #...:** KP9PJ2AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176380 **Analysis Time..:** 01:41
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(52 - 117)
Decachlorobiphenyl	63	(32 - 144)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PST001

GC Semivolatiles

Lot-Sample #...: D8F190366-010 **Work Order #...:** KP9PL1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360 **Analysis Time..:** 00:40
Dilution Factor: 1

Method.....: MCAWW 614

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.17
Demeton (total)	ND	1.0	ug/L	0.21
Malathion	**1.0 J**	**1.2**	**ug/L**	**0.13**
Methyl parathion	ND	4.0	ug/L	0.14
Ethyl parathion	ND	1.0	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	71	(49 - 171)
Triphenyl phosphate	148	(60 - 154)

NOTE(S):

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PST002

GC Semivolatiles

Lot-Sample #...: D8F190366-011 **Work Order #...:** KP9PN1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360 **Analysis Time..:** 00:59
Dilution Factor: 1

Method.....: MCAWW 614

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.17
Demeton (total)	ND	1.0	ug/L	0.21
Malathion	**1.0 J**	**1.2**	**ug/L**	**0.13**
Methyl parathion	ND	4.0	ug/L	0.14
Ethyl parathion	ND	1.0	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	70	(49 - 171)
Triphenyl phosphate	129	(60 - 154)

NOTE(S):

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PST003

GC Semivolatiles

Lot-Sample #...: D8F190366-012 **Work Order #...:** KP9PP1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360 **Analysis Time..:** 01:18
Dilution Factor: 1

Method.....: MCAWW 614

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.17
Demeton (total)	ND	1.0	ug/L	0.21
Malathion	ND	1.2	ug/L	0.13
Methyl parathion	ND	4.0	ug/L	0.14
Ethyl parathion	ND	1.0	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	82	(49 - 171)
Triphenyl phosphate	102	(60 - 154)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES004

GC Semivolatiles

Lot-Sample #...: D8F190366-009 **Work Order #...:** KP9PK1AC **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/09/08
Prep Batch #...: 8176144 **Analysis Time..:** 13:30
Dilution Factor: 5

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Mirex	ND	29	ug/kg	4.5
Aldrin	ND	29	ug/kg	4.2
alpha-BHC	ND	29	ug/kg	3.6
beta-BHC	ND	29	ug/kg	4.8
delta-BHC	ND	29	ug/kg	2.8
gamma-BHC (Lindane)	ND	29	ug/kg	2.4
Chlordane (technical)	ND	420	ug/kg	130
alpha-Chlordane	ND	29	ug/kg	5.4
gamma-Chlordane	ND	29	ug/kg	4.5
4,4'-DDD	ND	29	ug/kg	9.2
4,4'-DDE	ND	29	ug/kg	4.0
4,4'-DDT	ND	29	ug/kg	9.9
Dieldrin	ND	29	ug/kg	3.5
Endosulfan I	ND	29	ug/kg	3.0
Endosulfan II	ND	29	ug/kg	4.8
Endosulfan sulfate	ND	29	ug/kg	4.6
Endrin	ND	29	ug/kg	5.2
Endrin aldehyde	ND	29	ug/kg	3.6
Endrin ketone	ND	29	ug/kg	3.6
Heptachlor	ND	29	ug/kg	3.6
Heptachlor epoxide	ND	29	ug/kg	7.2
Methoxychlor	**27 J,COL**	**56**	**ug/kg**	**7.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(43 - 124)
Decachlorobiphenyl	NC,DIL	(51 - 132)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES004

GC Semivolatiles

Lot-Sample #...: D8F190366-009 **Work Order #...:** KP9PK1AD **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/04/08
Prep Batch #...: 8176143 **Analysis Time..:** 02:52
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	110	ug/kg	17
Aroclor 1221	ND	160	ug/kg	53
Aroclor 1232	ND	110	ug/kg	17
Aroclor 1242	ND	110	ug/kg	31
Aroclor 1248	ND	110	ug/kg	19
Aroclor 1254	ND	110	ug/kg	19
Aroclor 1260	ND	110	ug/kg	8.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(53 - 132)
Decachlorobiphenyl	86	(38 - 162)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES004

GC Semivolatiles

Lot-Sample #...: D8F190366-009 **Work Order #...:** KP9PK1AE **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/23/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8175189 **Analysis Time..:** 03:48
Dilution Factor: 10

Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	440	ug/kg	120
Demeton (total)	ND	1300	ug/kg	250
Malathion	ND	510	ug/kg	160
Ethyl parathion	ND	610	ug/kg	180
Methyl parathion	ND	670	ug/kg	210

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET001

TOTAL Metals

Lot-Sample #...: D8F190366-015 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8172216						
Mercury	**0.14 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/23/08**	**KP9PT1AP**
		Dilution Factor: 1		Analysis Time..: 18:17	MDL.....: 0.027	
Prep Batch #...: 8176465						
Cadmium	**0.67 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CC**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.040	
Chromium	**8.0 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CD**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.88	
Copper	**92**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CE**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.20	
Molybdenum	**9.8 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CF**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.040	
Nickel	**6.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CG**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.28	
Lead	**13**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CM**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.10	
Antimony	**1.1 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CH**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.060	
Selenium	**1.3 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CJ**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KP9PT1CK
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 0.029	
Zinc	**290**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PT1CL**
		Dilution Factor: 1		Analysis Time..: 17:07	MDL.....: 2.0	
Prep Batch #...: 8178313						
Silver	**3.2**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/30-07/01/08**	**KP9PT1A8**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.020	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET001

TOTAL Metals

Lot-Sample #...: D8F190366-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	**3.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/30-07/01/08**	**KP9PT1A9**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/30-07/01/08	KP9PT1CA
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.15	

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET001

DISSOLVED Metals

Lot-Sample #...: D8F190366-015 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8172232						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/23/08	KP9PT1A5
		Dilution Factor: 1		Analysis Time..: 19:03	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.21 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CN**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.020	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PT1CP
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PT1CQ
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PT1CR
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.040	
Chromium	**1.2 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CT**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.88	
Copper	**6.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CU**
		Dilution Factor: 1		Analysis Time..: 19:57	MDL.....: 0.20	
Molybdenum	**1.6 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CV**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.040	
Nickel	**2.2**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CW**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.28	
Lead	**0.29 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1C3**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.10	
Antimony	**0.20 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1CX**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PT1C0
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 1.0	
Thallium	**0.040 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1C1**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET001

DISSOLVED Metals

Lot-Sample #...: D8F190366-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**7.0 B**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PT1C2**

Dilution Factor: 1 Analysis Time..: 01:22 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET002

TOTAL Metals

Lot-Sample #...: D8F190366-016 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8172216						
Mercury	**0.047 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/23/08**	**KP9PV1AW**
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.027	
Prep Batch #...: 8176465						
Silver	**1.3**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1AX**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.020	
Arsenic	**2.5 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A0**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KP9PV1A1
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.15	
Cadmium	**0.51 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A2**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.040	
Chromium	**2.3 B,J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A3**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.88	
Copper	**36**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A4**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.20	
Molybdenum	**6.4 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A5**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.040	
Nickel	**2.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A6**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.28	
Lead	**2.8**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1CC**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.10	
Antimony	**0.57 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A7**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.060	
Selenium	**1.3 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1A8**
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KP9PV1A9
		Dilution Factor: 1		Analysis Time..: 17:11	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET002

TOTAL Metals

Lot-Sample #...: D8F190366-016 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**120**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KP9PV1CA**

Dilution Factor: 1 Analysis Time..: 17:11 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET002

DISSOLVED Metals

Lot-Sample #...: D8F190366-016 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8172232						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/23/08	KP9PV1AG
		Dilution Factor: 1		Analysis Time..: 19:10	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.51 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CD**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.020	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PV1CE
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PV1CF
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PV1CG
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.040	
Chromium	**1.1 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CH**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.88	
Copper	**14**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CJ**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.20	
Molybdenum	**6.4**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CK**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.040	
Nickel	**2.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CL**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.28	
Lead	**0.78 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CR**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.10	
Antimony	**0.39 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CM**
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PV1CN
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KP9PV1CP
		Dilution Factor: 1		Analysis Time..: 01:25	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET002

DISSOLVED Metals

Lot-Sample #...: D8F190366-016 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**20**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KP9PV1CQ**

Dilution Factor: 1 Analysis Time..: 01:25 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET003

TOTAL Metals

Lot-Sample #...: D8F190366-017 **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8175120						
Silver	**6000**	**330**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1AU**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 68	
Arsenic	**4700**	**2000**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1AV**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 170	
Beryllium	**80 B**	**330**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1AW**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 75	
Cadmium	**1400**	**330**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1AX**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 31	
Chromium	**24000 J**	**670**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A0**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 250	
Copper	**210000 J**	**840**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A1**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 240	
Molybdenum	**4600**	**670**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A2**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 59	
Nickel	**11000**	**500**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A3**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 85	
Lead	**19000**	**500**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A8**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 61	
Antimony	**1200**	**670**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A4**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 47	
Selenium	**2500**	**1700**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A5**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 440	
Thallium	**24 B**	**330**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A6**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 12	
Zinc	**550000 J**	**3300**	**ug/kg**	**SW846 6020**	**06/24/08**	**KP9PW1A7**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 1100	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET003

TOTAL Metals

Lot-Sample #...: D8F190366-017 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8175396						
Mercury	**900**	**57**	**ug/kg**	**SW846 7471A**	**06/24/08**	**KP9PW1AT**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 18	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP019

General Chemistry

Lot-Sample #...: D8F190366-005 **Work Order #...:** KP9PE **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**70**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/25/08**	**8177176**

Dilution Factor: 1 Analysis Time..: 13:00 MDL.....: 0.0

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES004

General Chemistry

Lot-Sample #...: D8F190366-009 **Work Order #...:** KP9PK **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**70**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27/08**	**8178167**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.0	

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN009

General Chemistry

Lot-Sample #...: D8F190366-013 **Work Order #...:** KP9PQ **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0025 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**06/30/08**	**8183600**
	Dilution Factor: 1			Analysis Time..: 14:00	MDL.....: 0.0024	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN010

General Chemistry

Lot-Sample #...: D8F190366-014 **Work Order #...:** KP9PR **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0090 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**06/30/08**	**8183600**

Dilution Factor: 1 Analysis Time..: 14:00 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET003

General Chemistry

Lot-Sample #...: D8F190366-017 **Work Order #...:** KP9PW **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**70**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/24/08**	**8176237**
		Dilution Factor: 1		Analysis Time..: 13:30	MDL.....: 0.0	
Percent Solids	**30**	**0.10**	**%**	**SM18 2540B**	**06/23/08**	**8175275**
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....:	
Total Cyanide	**0.71 B**	**1.7**	**mg/kg**	**SW846 9010B/9012A**	**07/01-07/02/08**	**8185426**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.34	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL003

General Chemistry

Lot-Sample #...: D8F190366-020 **Work Order #...:** KP9P1 **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**70**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/24/08**	**8176237**
		Dilution Factor: 1		Analysis Time..: 13:30	MDL.....: 0.0	

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08O&G001

General Chemistry

Lot-Sample #...: D8F190366-021 **Work Order #...:** KP9P2 **Matrix.....:** WATER
Date Sampled...: 06/17/08 13:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)	**44**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**06/21/08**	**8173080**

Dilution Factor: 1 Analysis Time..: 12:00 MDL.....: 1.4

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08O&G002

General Chemistry

Lot-Sample #...: D8F190366-022 **Work Order #...:** KP9P3 **Matrix.....:** WATER
Date Sampled...: 06/16/08 12:55 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)	**28**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**06/21/08**	**8173080**

Dilution Factor: 1 Analysis Time..: 12:00 MDL.....: 1.4

QC DATA ASSOCIATION SUMMARY

D8F190366

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	CFR136A 624		8175145	8175075
002	WATER	CFR136A 624		8175145	8175075
003	WATER	CFR136A 624		8175145	8175075
004	WATER	CFR136A 624		8175145	8175075
005	SOLID	SW846 8260B		8177186	8177139
	SOLID	MCAWW 160.3 MOD		8177176	8177221
006	WATER	CFR136A 608		8176380	8176276
007	WATER	CFR136A 608		8176380	8176276
008	WATER	CFR136A 608		8176380	8176276
009	SOLID	SW846 8141A		8175189	8175085
	SOLID	SW846 8082		8176143	8176083
	SOLID	SW846 8081A		8176144	8176087
	SOLID	MCAWW 160.3 MOD		8178167	8182096
010	WATER	MCAWW 614		8176360	8176263
011	WATER	MCAWW 614		8176360	8176263
012	WATER	MCAWW 614		8176360	8176263
013	WATER	SM18 4500-CN E		8183600	8183309
014	WATER	SM18 4500-CN E		8183600	8183309
015	WATER	MCAWW 245.1		8172216	8172137
	WATER	MCAWW 245.1		8172232	8172150
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350
	WATER	MCAWW 200.8		8178313	8178182
016	WATER	MCAWW 245.1		8172216	8172137
	WATER	MCAWW 245.1		8172232	8172150
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350

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QC DATA ASSOCIATION SUMMARY

D8F190366

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
017	SOLID	SW846 9010B/9012A		8185426	8185253
	SOLID	SW846 6020		8175120	8175065
	SOLID	SM18 2540B		8175275	8175260
	SOLID	SW846 7471A		8175396	8175248
	SOLID	MCAWW 160.3 MOD		8176237	8177104
018	WATER	CFR136A 625		8172140	8172110
019	WATER	CFR136A 625		8172140	8172110
020	SOLID	SW846 8270C		8177076	8177038
	SOLID	MCAWW 160.3 MOD		8176237	8177104
021	WATER	CFR136A 1664A HEM		8173080	
022	WATER	CFR136A 1664A HEM		8173080	
023	WATER	CFR136A 602		8173069	8173041
024	WATER	CFR136A 602		8173069	8173041

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AA **Matrix.....:** WATER
MB Lot-Sample #: D8F230000-145

Prep Date.....: 06/21/08 **Analysis Time..:** 14:15
Analysis Date..: 06/21/08 **Prep Batch #...:** 8175145
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	10	ug/L	CFR136A 624
Benzene	ND	5.0	ug/L	CFR136A 624
Bromodichloromethane	ND	5.0	ug/L	CFR136A 624
Bromoform	ND	5.0	ug/L	CFR136A 624
Bromomethane	ND	10	ug/L	CFR136A 624
Carbon tetrachloride	ND	5.0	ug/L	CFR136A 624
Chlorobenzene	ND	5.0	ug/L	CFR136A 624
Chloroethane	ND	10	ug/L	CFR136A 624
Chloroform	ND	5.0	ug/L	CFR136A 624
Chloromethane	ND	10	ug/L	CFR136A 624
Dibromochloromethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,3-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,4-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	5.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	5.0	ug/L	CFR136A 624
1,2-Dichloropropane	ND	5.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
Ethylbenzene	ND	5.0	ug/L	CFR136A 624
Methylene chloride	**1.6 J**	**5.0**	**ug/L**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	CFR136A 624
Tetrachloroethene	ND	5.0	ug/L	CFR136A 624
Toluene	ND	5.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	5.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	5.0	ug/L	CFR136A 624
Trichloroethene	ND	5.0	ug/L	CFR136A 624
Trichlorofluoromethane	ND	10	ug/L	CFR136A 624
Vinyl chloride	ND	10	ug/L	CFR136A 624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(73 - 122)
4-Bromofluorobenzene	107	(79 - 119)
Toluene-d8	106	(80 - 120)

NOTE(S):

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AA **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F230000-145
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 13:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Xylenes (total)	125	(50 - 150)	CFR136A 624
Benzene	98	(37 - 151)	CFR136A 624
Bromodichloromethane	91	(35 - 155)	CFR136A 624
Bromoform	125	(45 - 169)	CFR136A 624
Bromomethane	97	(10 - 242)	CFR136A 624
Carbon tetrachloride	89	(70 - 140)	CFR136A 624
Chlorobenzene	119	(37 - 160)	CFR136A 624
Chloroethane	92	(14 - 230)	CFR136A 624
Chloroform	94	(51 - 138)	CFR136A 624
Chloromethane	104	(10 - 273)	CFR136A 624
Dibromochloromethane	109	(53 - 149)	CFR136A 624
1,2-Dichlorobenzene	110	(18 - 190)	CFR136A 624
1,3-Dichlorobenzene	114	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	77	(18 - 190)	CFR136A 624
1,1-Dichloroethane	101	(59 - 155)	CFR136A 624
1,2-Dichloroethane	91	(49 - 155)	CFR136A 624
1,1-Dichloroethene	96	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	95	(54 - 156)	CFR136A 624
1,2-Dichloropropane	107	(10 - 210)	CFR136A 624
Acrolein	106	(39 - 188)	CFR136A 624
cis-1,3-Dichloropropene	99	(10 - 227)	CFR136A 624
Acrylonitrile	124	(48 - 149)	CFR136A 624
trans-1,3-Dichloropropene	153	(17 - 183)	CFR136A 624
Ethylbenzene	120	(37 - 162)	CFR136A 624
Methylene chloride	87	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	141	(46 - 157)	CFR136A 624
Tetrachloroethene	122	(64 - 148)	CFR136A 624
Toluene	130	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	91	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	129	(52 - 150)	CFR136A 624
Trichloroethene	87	(71 - 157)	CFR136A 624
Trichlorofluoromethane	97	(17 - 181)	CFR136A 624
Vinyl chloride	92	(10 - 251)	CFR136A 624
2-Chloroethyl vinyl ether	188	(10 - 305)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F230000-145

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dioxane	**118**	**(25 - 141)**	**CFR136A 624**
Hexane	**121**	**(69 - 143)**	**CFR136A 624**
Acetone	**93**	**(42 - 170)**	**CFR136A 624**
1,3-Dichloropropene (total)	**126**	**(17 - 183)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(73 - 122)
4-Bromofluorobenzene	118	(79 - 119)
Toluene-d8	116	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F230000-145
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 13:30
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Xylenes (total)	60.0	74.7	ug/L	125	CFR136A 624
Benzene	20.0	19.6	ug/L	98	CFR136A 624
Bromodichloromethane	20.0	18.3	ug/L	91	CFR136A 624
Bromoform	20.0	24.9	ug/L	125	CFR136A 624
Bromomethane	20.0	19.4	ug/L	97	CFR136A 624
Carbon tetrachloride	20.0	17.8	ug/L	89	CFR136A 624
Chlorobenzene	20.0	23.9	ug/L	119	CFR136A 624
Chloroethane	20.0	18.4	ug/L	92	CFR136A 624
Chloroform	20.0	18.9	ug/L	94	CFR136A 624
Chloromethane	20.0	20.7	ug/L	104	CFR136A 624
Dibromochloromethane	20.0	21.7	ug/L	109	CFR136A 624
1,2-Dichlorobenzene	20.0	22.0	ug/L	110	CFR136A 624
1,3-Dichlorobenzene	20.0	22.9	ug/L	114	CFR136A 624
1,4-Dichlorobenzene	20.0	15.3	ug/L	77	CFR136A 624
1,1-Dichloroethane	20.0	20.3	ug/L	101	CFR136A 624
1,2-Dichloroethane	20.0	18.3	ug/L	91	CFR136A 624
1,1-Dichloroethene	20.0	19.2	ug/L	96	CFR136A 624
trans-1,2-Dichloroethene	20.0	19.0	ug/L	95	CFR136A 624
1,2-Dichloropropane	20.0	21.5	ug/L	107	CFR136A 624
Acrolein	200	211	ug/L	106	CFR136A 624
cis-1,3-Dichloropropene	20.0	19.8	ug/L	99	CFR136A 624
Acrylonitrile	200	247	ug/L	124	CFR136A 624
trans-1,3-Dichloropropene	20.0	30.6	ug/L	153	CFR136A 624
Ethylbenzene	20.0	24.0	ug/L	120	CFR136A 624
Methylene chloride	20.0	17.5	ug/L	87	CFR136A 624
1,1,2,2-Tetrachloroethane	20.0	28.2	ug/L	141	CFR136A 624
Tetrachloroethene	20.0	24.3	ug/L	122	CFR136A 624
Toluene	20.0	26.0	ug/L	130	CFR136A 624
1,1,1-Trichloroethane	20.0	18.2	ug/L	91	CFR136A 624
1,1,2-Trichloroethane	20.0	25.8	ug/L	129	CFR136A 624
Trichloroethene	20.0	17.4	ug/L	87	CFR136A 624
Trichlorofluoromethane	20.0	19.4	ug/L	97	CFR136A 624
Vinyl chloride	20.0	18.3	ug/L	92	CFR136A 624
2-Chloroethyl vinyl ether	20.0	37.5	ug/L	188	CFR136A 624

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQEL41AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F230000-145

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dioxane	**1000**	**1180**	**ug/L**	**118**	**CFR136A 624**
Hexane	**20.0**	**24.2**	**ug/L**	**121**	**CFR136A 624**
Acetone	**40.0**	**37.2**	**ug/L**	**93**	**CFR136A 624**
1,3-Dichloropropene (total)	**40.0**	**50.4**	**ug/L**	**126**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	89	(73 - 122)
4-Bromofluorobenzene	118	(79 - 119)
Toluene-d8	116	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD
Date Sampled...: 06/16/08 14:10 **Date Received..:** 06/16/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 14:59
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Xylenes (total)	108	(50 - 150)			CFR136A 624
	117	(50 - 150)	5.8	(0-30)	CFR136A 624
Benzene	90	(37 - 151)			CFR136A 624
	87	(37 - 151)	2.7	(0-30)	CFR136A 624
Bromodichloromethane	84	(35 - 155)			CFR136A 624
	84	(35 - 155)	0.51	(0-30)	CFR136A 624
Bromoform	116	(45 - 169)			CFR136A 624
	113	(45 - 169)	2.8	(0-30)	CFR136A 624
Bromomethane	87	(10 - 242)			CFR136A 624
	84	(10 - 242)	3.6	(0-30)	CFR136A 624
Carbon tetrachloride	78	(70 - 140)			CFR136A 624
	79	(70 - 140)	0.85	(0-30)	CFR136A 624
Chlorobenzene	108	(37 - 160)			CFR136A 624
	112	(37 - 160)	3.6	(0-30)	CFR136A 624
Chloroethane	84	(14 - 230)			CFR136A 624
	78	(14 - 230)	7.0	(0-30)	CFR136A 624
Chloroform	86	(51 - 138)			CFR136A 624
	85	(51 - 138)	1.5	(0-30)	CFR136A 624
Chloromethane	91	(10 - 273)			CFR136A 624
	86	(10 - 273)	5.5	(0-30)	CFR136A 624
Dibromochloromethane	100	(53 - 149)			CFR136A 624
	104	(53 - 149)	4.0	(0-30)	CFR136A 624
1,2-Dichlorobenzene	104	(18 - 190)			CFR136A 624
	102	(18 - 190)	1.7	(0-30)	CFR136A 624
1,3-Dichlorobenzene	106	(59 - 156)			CFR136A 624
	99	(59 - 156)	5.9	(0-30)	CFR136A 624
1,4-Dichlorobenzene	71	(18 - 190)			CFR136A 624
	67	(18 - 190)	5.9	(0-30)	CFR136A 624
1,1-Dichloroethane	94	(59 - 155)			CFR136A 624
	92	(59 - 155)	1.7	(0-30)	CFR136A 624
1,2-Dichloroethane	88	(49 - 155)			CFR136A 624
	87	(49 - 155)	0.91	(0-30)	CFR136A 624
1,1-Dichloroethene	84	(10 - 234)			CFR136A 624
	86	(10 - 234)	2.7	(0-30)	CFR136A 624
trans-1,2-Dichloroethene	85	(54 - 156)			CFR136A 624
	83	(54 - 156)	2.5	(0-30)	CFR136A 624
1,2-Dichloropropane	98	(10 - 210)			CFR136A 624
	96	(10 - 210)	1.9	(0-30)	CFR136A 624
Acrolein	110	(39 - 188)			CFR136A 624
	103	(39 - 188)	6.8	(0-30)	CFR136A 624

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	94	(10 - 227)			CFR136A 624
	93	(10 - 227)	1.0	(0-30)	CFR136A 624
Acrylonitrile	119	(48 - 149)			CFR136A 624
	117	(48 - 149)	1.2	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	138	(17 - 183)			CFR136A 624
	146	(17 - 183)	5.4	(0-30)	CFR136A 624
Ethylbenzene	104	(37 - 162)			CFR136A 624
	110	(37 - 162)	4.4	(0-30)	CFR136A 624
Methylene chloride	73	(10 - 221)			CFR136A 624
	72	(10 - 221)	0.82	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	132	(46 - 157)			CFR136A 624
	138	(46 - 157)	3.9	(0-30)	CFR136A 624
Tetrachloroethene	107	(64 - 148)			CFR136A 624
	110	(64 - 148)	2.9	(0-30)	CFR136A 624
Toluene	110	(47 - 150)			CFR136A 624
	115	(47 - 150)	3.1	(0-30)	CFR136A 624
1,1,1-Trichloroethane	81	(52 - 162)			CFR136A 624
	81	(52 - 162)	0.89	(0-30)	CFR136A 624
1,1,2-Trichloroethane	118	(52 - 150)			CFR136A 624
	116	(52 - 150)	1.7	(0-30)	CFR136A 624
Trichloroethene	79	(71 - 157)			CFR136A 624
	78	(71 - 157)	1.5	(0-30)	CFR136A 624
Trichlorofluoromethane	92	(17 - 181)			CFR136A 624
	83	(17 - 181)	11	(0-30)	CFR136A 624
Vinyl chloride	84	(10 - 251)			CFR136A 624
	79	(10 - 251)	5.7	(0-30)	CFR136A 624
2-Chloroethyl vinyl ether	20	(10 - 305)			CFR136A 624
	14	(10 - 305)	35	(0-45)	CFR136A 624
1,4-Dioxane	133	(25 - 141)			CFR136A 624
	131	(25 - 141)	1.7	(0-20)	CFR136A 624
Hexane	114	(69 - 143)			CFR136A 624
	104	(69 - 143)	9.0	(0-20)	CFR136A 624
Acetone	0.0 a	(42 - 170)			CFR136A 624
	0.0 a	(42 - 170)	0.0	(0-20)	CFR136A 624
1,3-Dichloropropene (total)	116	(17 - 183)			CFR136A 624
	120	(17 - 183)	2.8	(0-30)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(73 - 122)
	84	(73 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	111	(79 - 119)
	117	(79 - 119)
Toluene-d8	106	(80 - 120)
	112	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD
Date Sampled...: 06/16/08 14:10 **Date Received..:** 06/16/08
Prep Date.....: 06/21/08 **Analysis Date..:** 06/21/08
Prep Batch #...: 8175145 **Analysis Time..:** 14:59
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Xylenes (total)	24	60.0	89.4	ug/L	108		CFR136A 624
	24	60.0	94.8	ug/L	117	5.8	CFR136A 624
Benzene	2.6	20.0	20.6	ug/L	90		CFR136A 624
	2.6	20.0	20.1	ug/L	87	2.7	CFR136A 624
Bromodichloromethane	ND	20.0	16.8	ug/L	84		CFR136A 624
	ND	20.0	16.9	ug/L	84	0.51	CFR136A 624
Bromoform	ND	20.0	23.3	ug/L	116		CFR136A 624
	ND	20.0	22.6	ug/L	113	2.8	CFR136A 624
Bromomethane	ND	20.0	17.5	ug/L	87		CFR136A 624
	ND	20.0	16.9	ug/L	84	3.6	CFR136A 624
Carbon tetrachloride	ND	20.0	15.7	ug/L	78		CFR136A 624
	ND	20.0	15.8	ug/L	79	0.85	CFR136A 624
Chlorobenzene	ND	20.0	21.6	ug/L	108		CFR136A 624
	ND	20.0	22.4	ug/L	112	3.6	CFR136A 624
Chloroethane	ND	20.0	16.8	ug/L	84		CFR136A 624
	ND	20.0	15.6	ug/L	78	7.0	CFR136A 624
Chloroform	ND	20.0	17.2	ug/L	86		CFR136A 624
	ND	20.0	17.0	ug/L	85	1.5	CFR136A 624
Chloromethane	ND	20.0	18.2	ug/L	91		CFR136A 624
	ND	20.0	17.2	ug/L	86	5.5	CFR136A 624
Dibromochloromethane	ND	20.0	20.0	ug/L	100		CFR136A 624
	ND	20.0	20.8	ug/L	104	4.0	CFR136A 624
1,2-Dichlorobenzene	ND	20.0	20.7	ug/L	104		CFR136A 624
	ND	20.0	20.4	ug/L	102	1.7	CFR136A 624
1,3-Dichlorobenzene	ND	20.0	21.1	ug/L	106		CFR136A 624
	ND	20.0	19.9	ug/L	99	5.9	CFR136A 624
1,4-Dichlorobenzene	ND	20.0	14.1	ug/L	71		CFR136A 624
	ND	20.0	13.3	ug/L	67	5.9	CFR136A 624
1,1-Dichloroethane	ND	20.0	18.8	ug/L	94		CFR136A 624
	ND	20.0	18.5	ug/L	92	1.7	CFR136A 624
1,2-Dichloroethane	ND	20.0	17.6	ug/L	88		CFR136A 624
	ND	20.0	17.4	ug/L	87	0.91	CFR136A 624
1,1-Dichloroethene	ND	20.0	16.8	ug/L	84		CFR136A 624
	ND	20.0	17.2	ug/L	86	2.7	CFR136A 624
trans-1,2-Dichloroethene	ND	20.0	17.0	ug/L	85		CFR136A 624
	ND	20.0	16.6	ug/L	83	2.5	CFR136A 624
1,2-Dichloropropane	ND	20.0	19.6	ug/L	98		CFR136A 624
	ND	20.0	19.3	ug/L	96	1.9	CFR136A 624
Acrolein	ND	200	220	ug/L	110		CFR136A 624
	ND	200	205	ug/L	103	6.8	CFR136A 624

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	20.0	18.9	ug/L	94		CFR136A 624
	ND	20.0	18.7	ug/L	93	1.0	CFR136A 624
Acrylonitrile	ND	200	238	ug/L	119		CFR136A 624
	ND	200	235	ug/L	117	1.2	CFR136A 624
trans-1,3-Dichloropropene	ND	20.0	27.6	ug/L	138		CFR136A 624
	ND	20.0	29.2	ug/L	146	5.4	CFR136A 624
Ethylbenzene	3.7	20.0	24.5	ug/L	104		CFR136A 624
	3.7	20.0	25.6	ug/L	110	4.4	CFR136A 624
Methylene chloride	1.7	20.0	16.3	ug/L	73		CFR136A 624
	1.7	20.0	16.2	ug/L	72	0.82	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	20.0	26.5	ug/L	132		CFR136A 624
	ND	20.0	27.5	ug/L	138	3.9	CFR136A 624
Tetrachloroethene	ND	20.0	21.4	ug/L	107		CFR136A 624
	ND	20.0	22.0	ug/L	110	2.9	CFR136A 624
Toluene	13	20.0	34.6	ug/L	110		CFR136A 624
	13	20.0	35.7	ug/L	115	3.1	CFR136A 624
1,1,1-Trichloroethane	ND	20.0	16.3	ug/L	81		CFR136A 624
	ND	20.0	16.1	ug/L	81	0.89	CFR136A 624
1,1,2-Trichloroethane	ND	20.0	23.6	ug/L	118		CFR136A 624
	ND	20.0	23.2	ug/L	116	1.7	CFR136A 624
Trichloroethene	ND	20.0	15.8	ug/L	79		CFR136A 624
	ND	20.0	15.6	ug/L	78	1.5	CFR136A 624
Trichlorofluoromethane	ND	20.0	18.4	ug/L	92		CFR136A 624
	ND	20.0	16.5	ug/L	83	11	CFR136A 624
Vinyl chloride	ND	20.0	16.7	ug/L	84		CFR136A 624
	ND	20.0	15.8	ug/L	79	5.7	CFR136A 624
2-Chloroethyl vinyl ether	ND	20.0	3.92	ug/L	20		CFR136A 624
	ND	20.0	2.77	ug/L	14	35	CFR136A 624
1,4-Dioxane	ND	1000	1330	ug/L	133		CFR136A 624
	ND	1000	1310	ug/L	131	1.7	CFR136A 624
Hexane	ND	20.0	22.7	ug/L	114		CFR136A 624
	ND	20.0	20.8	ug/L	104	9.0	CFR136A 624
Acetone	740	40.0	714	ug/L	0.0 a		CFR136A 624
	740	40.0	711	ug/L	0.0 a	0.0	CFR136A 624
1,3-Dichloropropene (total)	ND	40.0	46.5	ug/L	116		CFR136A 624
	ND	40.0	47.9	ug/L	120	2.8	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(73 - 122)
	84	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP2LF1AG-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F160201-001 KP2LF1AH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	111	(79 - 119)
	117	(79 - 119)
Toluene-d8	106	(80 - 120)
	112	(80 - 120)

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.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQJM71AA **Matrix.....:** SOLID
MB Lot-Sample #: D8F250000-186

Prep Date.....: 06/24/08 **Analysis Time..:** 14:26
Analysis Date..: 06/24/08 **Prep Batch #...:** 8177186
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Chloroethyl vinyl ether	ND	2500	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	**46 J**	**250**	**ug/kg**	**SW846 8260B**
1,4-Dichlorobenzene	**57 J**	**250**	**ug/kg**	**SW846 8260B**
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	**48 J**	**250**	**ug/kg**	**SW846 8260B**
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
Vinyl chloride	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(46 - 134)
1,2-Dichloroethane-d4	105	(34 - 136)
Toluene-d8	98	(34 - 141)
4-Bromofluorobenzene	103	(40 - 142)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQJM71AA **Matrix.....:** SOLID

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQJM71AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F250000-186
Prep Date.....: 06/24/08 **Analysis Date..:** 06/24/08
Prep Batch #...: 8177186 **Analysis Time..:** 14:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**108**	**(81 - 124)**	**SW846 8260B**
Bromodichloromethane	**109**	**(67 - 122)**	**SW846 8260B**
Carbon tetrachloride	**114**	**(60 - 137)**	**SW846 8260B**
Chlorobenzene	**107**	**(82 - 123)**	**SW846 8260B**
Chloroform	**114**	**(69 - 122)**	**SW846 8260B**
1,3-Dichlorobenzene	**112**	**(74 - 119)**	**SW846 8260B**
1,1-Dichloroethane	**109**	**(66 - 121)**	**SW846 8260B**
1,1-Dichloroethene	**112**	**(75 - 126)**	**SW846 8260B**
trans-1,2-Dichloroethene	**104**	**(71 - 119)**	**SW846 8260B**
1,2-Dichloropropane	**107**	**(66 - 119)**	**SW846 8260B**
Ethylbenzene	**110**	**(73 - 127)**	**SW846 8260B**
Methylene chloride	**97**	**(49 - 126)**	**SW846 8260B**
Tetrachloroethene	**104**	**(73 - 131)**	**SW846 8260B**
Toluene	**105**	**(75 - 122)**	**SW846 8260B**
1,1,1-Trichloroethane	**115**	**(65 - 129)**	**SW846 8260B**
Trichloroethene	**119**	**(82 - 134)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(75 - 127)
1,2-Dichloroethane-d4	122	(52 - 139)
Toluene-d8	107	(66 - 131)
4-Bromofluorobenzene	107	(70 - 129)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQJM71AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F250000-186
Prep Date.....: 06/24/08 **Analysis Date..:** 06/24/08
Prep Batch #...: 8177186 **Analysis Time..:** 14:01
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**2000**	**2160**	**ug/kg**	**108**	**SW846 8260B**
Bromodichloromethane	**2000**	**2170**	**ug/kg**	**109**	**SW846 8260B**
Carbon tetrachloride	**2000**	**2290**	**ug/kg**	**114**	**SW846 8260B**
Chlorobenzene	**2000**	**2140**	**ug/kg**	**107**	**SW846 8260B**
Chloroform	**2000**	**2270**	**ug/kg**	**114**	**SW846 8260B**
1,3-Dichlorobenzene	**2000**	**2230**	**ug/kg**	**112**	**SW846 8260B**
1,1-Dichloroethane	**2000**	**2180**	**ug/kg**	**109**	**SW846 8260B**
1,1-Dichloroethene	**2000**	**2240**	**ug/kg**	**112**	**SW846 8260B**
trans-1,2-Dichloroethene	**2000**	**2080**	**ug/kg**	**104**	**SW846 8260B**
1,2-Dichloropropane	**2000**	**2140**	**ug/kg**	**107**	**SW846 8260B**
Ethylbenzene	**2000**	**2210**	**ug/kg**	**110**	**SW846 8260B**
Methylene chloride	**2000**	**1930**	**ug/kg**	**97**	**SW846 8260B**
Tetrachloroethene	**2000**	**2080**	**ug/kg**	**104**	**SW846 8260B**
Toluene	**2000**	**2100**	**ug/kg**	**105**	**SW846 8260B**
1,1,1-Trichloroethane	**2000**	**2300**	**ug/kg**	**115**	**SW846 8260B**
Trichloroethene	**2000**	**2380**	**ug/kg**	**119**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(75 - 127)
1,2-Dichloroethane-d4	122	(52 - 139)
Toluene-d8	107	(66 - 131)
4-Bromofluorobenzene	107	(70 - 129)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP3TL1C1-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F170200-005 KP3TL1C2-MSD
Date Sampled...: 06/17/08 07:30 **Date Received..:** 06/17/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/24/08
Prep Batch #...: 8177186 **Analysis Time..:** 15:15
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	51	(42 - 131)			SW846 8260B
	50	(42 - 131)	1.9	(0-25)	SW846 8260B
Bromodichloromethane	44 a	(67 - 122)			SW846 8260B
	49 a	(67 - 122)	10	(0-23)	SW846 8260B
Carbon tetrachloride	41 a	(60 - 137)			SW846 8260B
	45 a	(60 - 137)	9.0	(0-21)	SW846 8260B
Chlorobenzene	47	(39 - 139)			SW846 8260B
	45	(39 - 139)	3.0	(0-28)	SW846 8260B
Chloroform	45 a	(69 - 122)			SW846 8260B
	54 a	(69 - 122)	18	(0-20)	SW846 8260B
1,3-Dichlorobenzene	41 a	(74 - 119)			SW846 8260B
	40 a	(74 - 119)	1.8	(0-20)	SW846 8260B
1,1-Dichloroethane	46 a	(66 - 121)			SW846 8260B
	52 a	(66 - 121)	12	(0-25)	SW846 8260B
1,1-Dichloroethene	46	(40 - 125)			SW846 8260B
	46	(40 - 125)	0.48	(0-31)	SW846 8260B
1,2-Dichloropropane	47 a	(66 - 119)			SW846 8260B
	49 a	(66 - 119)	5.9	(0-22)	SW846 8260B
Ethylbenzene	45 a	(73 - 127)			SW846 8260B
	46 a	(73 - 127)	2.5	(0-20)	SW846 8260B
Methylene chloride	44 a	(49 - 126)			SW846 8260B
	47 a	(49 - 126)	7.4	(0-22)	SW846 8260B
Tetrachloroethene	39 a	(73 - 131)			SW846 8260B
	38 a	(73 - 131)	3.1	(0-20)	SW846 8260B
Toluene	46	(10 - 159)			SW846 8260B
	47	(10 - 159)	2.3	(0-31)	SW846 8260B
1,1,1-Trichloroethane	46 a	(65 - 129)			SW846 8260B
	51 a	(65 - 129)	12	(0-20)	SW846 8260B
Trichloroethene	46	(38 - 144)			SW846 8260B
	51	(38 - 144)	8.8	(0-28)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	41 *	(46 - 134)
	46	(46 - 134)
1,2-Dichloroethane-d4	46	(34 - 136)
	52	(34 - 136)
Toluene-d8	48	(34 - 141)
	44	(34 - 141)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP3TL1C1-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F170200-005 KP3TL1C2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	48	(40 - 142)
	40	(40 - 142)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP3TL1C1-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F170200-005 KP3TL1C2-MSD
Date Sampled...: 06/17/08 07:30 **Date Received..:** 06/17/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/24/08
Prep Batch #...: 8177186 **Analysis Time..:** 15:15
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	11400	5820	ug/kg	51		SW846 8260B
	ND	11400	5720	ug/kg	50	1.9	SW846 8260B
Bromodichloromethane	ND	11400	5010	ug/kg	44 a		SW846 8260B
	ND	11400	5560	ug/kg	49 a	10	SW846 8260B
Carbon tetrachloride	ND	11400	4690	ug/kg	41 a		SW846 8260B
	ND	11400	5140	ug/kg	45 a	9.0	SW846 8260B
Chlorobenzene	ND	11400	5290	ug/kg	47		SW846 8260B
	ND	11400	5140	ug/kg	45	3.0	SW846 8260B
Chloroform	ND	11400	5130	ug/kg	45 a		SW846 8260B
	ND	11400	6130	ug/kg	54 a	18	SW846 8260B
1,3-Dichlorobenzene	ND	11400	4650	ug/kg	41 a		SW846 8260B
	ND	11400	4570	ug/kg	40 a	1.8	SW846 8260B
1,1-Dichloroethane	ND	11400	5260	ug/kg	46 a		SW846 8260B
	ND	11400	5920	ug/kg	52 a	12	SW846 8260B
1,1-Dichloroethene	ND	11400	5210	ug/kg	46		SW846 8260B
	ND	11400	5230	ug/kg	46	0.48	SW846 8260B
1,2-Dichloropropane	ND	11400	5300	ug/kg	47 a		SW846 8260B
	ND	11400	5620	ug/kg	49 a	5.9	SW846 8260B
Ethylbenzene	ND	11400	5060	ug/kg	45 a		SW846 8260B
	ND	11400	5180	ug/kg	46 a	2.5	SW846 8260B
Methylene chloride	ND	11400	4980	ug/kg	44 a		SW846 8260B
	ND	11400	5360	ug/kg	47 a	7.4	SW846 8260B
Tetrachloroethene	ND	11400	4410	ug/kg	39 a		SW846 8260B
	ND	11400	4280	ug/kg	38 a	3.1	SW846 8260B
Toluene	ND	11400	5260	ug/kg	46		SW846 8260B
	ND	11400	5380	ug/kg	47	2.3	SW846 8260B
1,1,1-Trichloroethane	ND	11400	5200	ug/kg	46 a		SW846 8260B
	ND	11400	5840	ug/kg	51 a	12	SW846 8260B
Trichloroethene	ND	11400	5270	ug/kg	46		SW846 8260B
	ND	11400	5750	ug/kg	51	8.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	41 *	(46 - 134)
	46	(46 - 134)
1,2-Dichloroethane-d4	46	(34 - 136)
	52	(34 - 136)
Toluene-d8	48	(34 - 141)
	44	(34 - 141)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KP3TL1C1-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F170200-005 KP3TL1C2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	48	(40 - 142)
	40	(40 - 142)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AD **Matrix.....:** WATER
MB Lot-Sample #: D8F200000-140

Prep Date.....: 06/20/08 **Analysis Time..:** 13:36
Analysis Date..: 07/01/08 **Prep Batch #...:** 8172140
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)-ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
4-Chloro-3-methylphenol	ND	20	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	20	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	50	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	20	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	20	ug/L	CFR136A 625
2-Methyl-4,6-dinitro-phenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	20	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	20	ug/L	CFR136A 625
Di-n-octyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	**2.4 J**	**10**	**ug/L**	**CFR136A 625**

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluoranthene	ND	20	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	20	ug/L	CFR136A 625
2-Nitrophenol	ND	20	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	20	ug/L	CFR136A 625
Pentachlorophenol	ND	60	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro-benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro-phenol	ND	20	ug/L	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(49 - 120)
Phenol-d5	87	(54 - 120)
Nitrobenzene-d5	83	(56 - 120)
2-Fluorobiphenyl	80	(52 - 120)
2,4,6-Tribromophenol	73	(56 - 120)
Terphenyl-d14	101	(50 - 120)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chlorophenyl phenyl ether	93	(60 - 120)			CFR136A 625
	92	(60 - 120)	1.3	(0-30)	CFR136A 625
Chrysene	89	(60 - 120)			CFR136A 625
	86	(60 - 120)	3.3	(0-30)	CFR136A 625
Dibenz(a,h)anthracene	93	(58 - 120)			CFR136A 625
	92	(58 - 120)	1.3	(0-78)	CFR136A 625
Di-n-butyl phthalate	91	(62 - 118)			CFR136A 625
	94	(62 - 118)	4.0	(0-30)	CFR136A 625
1,2-Dichlorobenzene	65	(48 - 120)			CFR136A 625
	61	(48 - 120)	6.0	(0-42)	CFR136A 625
1,3-Dichlorobenzene	60	(45 - 120)			CFR136A 625
	58	(45 - 120)	4.2	(0-47)	CFR136A 625
1,4-Dichlorobenzene	61	(45 - 120)			CFR136A 625
	58	(45 - 120)	5.3	(0-49)	CFR136A 625
3,3'-Dichlorobenzidine	84	(34 - 120)			CFR136A 625
	69	(34 - 120)	19	(0-50)	CFR136A 625
2,4-Dichlorophenol	91	(60 - 120)			CFR136A 625
	90	(60 - 120)	1.4	(0-30)	CFR136A 625
Diethyl phthalate	91	(61 - 114)			CFR136A 625
	91	(61 - 114)	0.43	(0-30)	CFR136A 625
2,4-Dimethylphenol	62	(44 - 119)			CFR136A 625
	61	(44 - 119)	2.5	(0-35)	CFR136A 625
Dimethyl phthalate	92	(61 - 112)			CFR136A 625
	93	(61 - 112)	0.72	(0-30)	CFR136A 625
4,6-Dinitro-2-methylphenol	88	(41 - 120)			CFR136A 625
	97	(41 - 120)	9.4	(0-55)	CFR136A 625
2,4-Dinitrophenol	85	(36 - 121)			CFR136A 625
	88	(36 - 121)	3.5	(0-61)	CFR136A 625
2,4-Dinitrotoluene	94	(60 - 120)			CFR136A 625
	94	(60 - 120)	0.83	(0-35)	CFR136A 625
2,6-Dinitrotoluene	88	(61 - 120)			CFR136A 625
	88	(61 - 120)	0.27	(0-30)	CFR136A 625
Di-n-octyl phthalate	88	(59 - 120)			CFR136A 625
	87	(59 - 120)	1.1	(0-30)	CFR136A 625
bis(2-Ethylhexyl) phthalate	91	(58 - 120)			CFR136A 625
	91	(58 - 120)	0.080	(0-30)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	87	(59 - 120)			CFR136A 625
	93	(59 - 120)	7.2	(0-30)	CFR136A 625
Fluorene	88	(60 - 120)			CFR136A 625
	88	(60 - 120)	0.83	(0-30)	CFR136A 625
Hexachlorobenzene	94	(62 - 120)			CFR136A 625
	93	(62 - 120)	1.8	(0-30)	CFR136A 625
Hexachlorobutadiene	60	(49 - 116)			CFR136A 625
	55	(49 - 116)	9.0	(0-41)	CFR136A 625
Hexachloroethane	54	(43 - 113)			CFR136A 625
	52	(43 - 113)	3.7	(0-52)	CFR136A 625
Indeno(1,2,3-cd)pyrene	89	(56 - 120)			CFR136A 625
	89	(56 - 120)	0.24	(0-73)	CFR136A 625
Isophorone	84	(54 - 120)			CFR136A 625
	82	(54 - 120)	2.5	(0-30)	CFR136A 625
Naphthalene	73	(52 - 120)			CFR136A 625
	67	(52 - 120)	8.3	(0-30)	CFR136A 625
Nitrobenzene	84	(58 - 120)			CFR136A 625
	84	(58 - 120)	0.080	(0-30)	CFR136A 625
2-Nitrophenol	90	(59 - 120)			CFR136A 625
	89	(59 - 120)	1.0	(0-30)	CFR136A 625
4-Nitrophenol	94	(53 - 120)			CFR136A 625
	93	(53 - 120)	1.2	(0-42)	CFR136A 625
N-Nitrosodi-n-propyl-amine	86	(58 - 120)			CFR136A 625
	87	(58 - 120)	1.2	(0-30)	CFR136A 625
Pentachlorophenol	87	(49 - 120)			CFR136A 625
	87	(49 - 120)	0.52	(0-30)	CFR136A 625
Phenanthrene	90	(63 - 120)			CFR136A 625
	88	(63 - 120)	2.4	(0-30)	CFR136A 625
Phenol	87	(58 - 112)			CFR136A 625
	86	(58 - 112)	1.0	(0-30)	CFR136A 625
Pyrene	90	(60 - 115)			CFR136A 625
	90	(60 - 115)	0.22	(0-30)	CFR136A 625
1,2,4-Trichloro-benzene	66	(50 - 120)			CFR136A 625
	59	(50 - 120)	10	(0-35)	CFR136A 625
2,4,6-Trichloro-phenol	95	(60 - 120)			CFR136A 625
	93	(60 - 120)	1.6	(0-30)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzidine	**66**	**(10 - 218)**			**CFR136A 625**
	73	**(10 - 218)**	**10**	**(0-50)**	**CFR136A 625**
Hexachlorocyclopenta-diene	**27**	**(10 - 120)**			**CFR136A 625**
	25	**(10 - 120)**	**5.3**	**(0-82)**	**CFR136A 625**
N-Nitrosodimethylamine	**80**	**(52 - 120)**			**CFR136A 625**
	79	**(52 - 120)**	**1.6**	**(0-30)**	**CFR136A 625**
N-Nitrosodiphenylamine	**76**	**(10 - 203)**			**CFR136A 625**
	76	**(10 - 203)**	**0.20**	**(0-50)**	**CFR136A 625**
4-Methylphenol	**85**	**(58 - 120)**			**CFR136A 625**
	87	**(58 - 120)**	**1.6**	**(0-39)**	**CFR136A 625**
2-Methylphenol	**83**	**(56 - 120)**			**CFR136A 625**
	83	**(56 - 120)**	**0.65**	**(0-35)**	**CFR136A 625**
n-Decane	**49**	**(28 - 120)**			**CFR136A 625**
	48	**(28 - 120)**	**3.3**	**(0-61)**	**CFR136A 625**
2-Methylnaphthalene	**78**	**(57 - 120)**			**CFR136A 625**
	72	**(57 - 120)**	**8.4**	**(0-30)**	**CFR136A 625**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	84	(53 - 120)
	83	(53 - 120)
Phenol-d5	86	(57 - 120)
	87	(57 - 120)
Nitrobenzene-d5	85	(59 - 120)
	85	(59 - 120)
2-Fluorobiphenyl	81	(49 - 120)
	75	(49 - 120)
2,4,6-Tribromophenol	102	(50 - 120)
	97	(50 - 120)
Terphenyl-d14	95	(63 - 120)
	93	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD
Prep Date.....: 06/20/08 **Analysis Date..:** 06/25/08
Prep Batch #...: 8172140 **Analysis Time..:** 00:43
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	84.9	ug/L	85		CFR136A 625
	100	83.6	ug/L	84	1.5	CFR136A 625
Acenaphthylene	100	87.4	ug/L	87		CFR136A 625
	100	84.3	ug/L	84	3.6	CFR136A 625
Anthracene	100	88.5	ug/L	88		CFR136A 625
	100	86.5	ug/L	86	2.3	CFR136A 625
Benzo(a)anthracene	100	93.8	ug/L	94		CFR136A 625
	100	93.1	ug/L	93	0.76	CFR136A 625
Benzo(a)pyrene	100	88.1	ug/L	88		CFR136A 625
	100	88.9	ug/L	89	0.98	CFR136A 625
Benzo(b)fluoranthene	100	104	ug/L	104		CFR136A 625
	100	105	ug/L	105	0.76	CFR136A 625
Benzo(ghi)perylene	100	91.0	ug/L	91		CFR136A 625
	100	91.2	ug/L	91	0.21	CFR136A 625
Benzo(k)fluoranthene	100	83.2	ug/L	83		CFR136A 625
	100	80.7	ug/L	81	3.1	CFR136A 625
4-Bromophenyl phenyl ether	100	96.9	ug/L	97		CFR136A 625
	100	92.0	ug/L	92	5.2	CFR136A 625
Butyl benzyl phthalate	100	90.6	ug/L	91		CFR136A 625
	100	89.7	ug/L	90	0.98	CFR136A 625
bis(2-Chloroethoxy) methane	100	84.9	ug/L	85		CFR136A 625
	100	84.3	ug/L	84	0.72	CFR136A 625
bis(2-Chloroethyl)-ether	100	83.0	ug/L	83		CFR136A 625
	100	81.8	ug/L	82	1.4	CFR136A 625
bis(2-Chloroisopropyl) ether	100	84.7	ug/L	85		CFR136A 625
	100	83.5	ug/L	84	1.4	CFR136A 625
4-Chloro-3-methylphenol	100	92.2	ug/L	92		CFR136A 625
	100	90.0	ug/L	90	2.4	CFR136A 625
2-Chloronaphthalene	100	84.0	ug/L	84		CFR136A 625
	100	79.8	ug/L	80	5.1	CFR136A 625
2-Chlorophenol	100	85.5	ug/L	85		CFR136A 625
	100	84.9	ug/L	85	0.67	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Chlorophenyl phenyl ether	100	93.4	ug/L	93		CFR136A 625
	100	92.2	ug/L	92	1.3	CFR136A 625
Chrysene	100	89.1	ug/L	89		CFR136A 625
	100	86.2	ug/L	86	3.3	CFR136A 625
Dibenz(a,h)anthracene	100	93.2	ug/L	93		CFR136A 625
	100	92.0	ug/L	92	1.3	CFR136A 625
Di-n-butyl phthalate	100	90.7	ug/L	91		CFR136A 625
	100	94.4	ug/L	94	4.0	CFR136A 625
1,2-Dichlorobenzene	100	64.9	ug/L	65		CFR136A 625
	100	61.2	ug/L	61	6.0	CFR136A 625
1,3-Dichlorobenzene	100	60.5	ug/L	60		CFR136A 625
	100	58.0	ug/L	58	4.2	CFR136A 625
1,4-Dichlorobenzene	100	61.1	ug/L	61		CFR136A 625
	100	57.9	ug/L	58	5.3	CFR136A 625
3,3'-Dichlorobenzidine	100	84.0	ug/L	84		CFR136A 625
	100	69.3	ug/L	69	19	CFR136A 625
2,4-Dichlorophenol	100	91.4	ug/L	91		CFR136A 625
	100	90.1	ug/L	90	1.4	CFR136A 625
Diethyl phthalate	100	91.4	ug/L	91		CFR136A 625
	100	91.0	ug/L	91	0.43	CFR136A 625
2,4-Dimethylphenol	100	62.1	ug/L	62		CFR136A 625
	100	60.6	ug/L	61	2.5	CFR136A 625
Dimethyl phthalate	100	91.9	ug/L	92		CFR136A 625
	100	92.6	ug/L	93	0.72	CFR136A 625
4,6-Dinitro-2-methylphenol	100	88.3	ug/L	88		CFR136A 625
	100	97.1	ug/L	97	9.4	CFR136A 625
2,4-Dinitrophenol	100	85.3	ug/L	85		CFR136A 625
	100	88.4	ug/L	88	3.5	CFR136A 625
2,4-Dinitrotoluene	100	93.6	ug/L	94		CFR136A 625
	100	94.3	ug/L	94	0.83	CFR136A 625
2,6-Dinitrotoluene	100	88.1	ug/L	88		CFR136A 625
	100	87.9	ug/L	88	0.27	CFR136A 625
Di-n-octyl phthalate	100	88.1	ug/L	88		CFR136A 625
	100	87.1	ug/L	87	1.1	CFR136A 625
bis(2-Ethylhexyl) phthalate	100	90.5	ug/L	91		CFR136A 625
	100	90.6	ug/L	91	0.080	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Fluoranthene	100	86.9	ug/L	87		CFR136A 625
	100	93.4	ug/L	93	7.2	CFR136A 625
Fluorene	100	88.4	ug/L	88		CFR136A 625
	100	87.6	ug/L	88	0.83	CFR136A 625
Hexachlorobenzene	100	94.5	ug/L	94		CFR136A 625
	100	92.8	ug/L	93	1.8	CFR136A 625
Hexachlorobutadiene	100	60.4	ug/L	60		CFR136A 625
	100	55.2	ug/L	55	9.0	CFR136A 625
Hexachloroethane	100	54.2	ug/L	54		CFR136A 625
	100	52.2	ug/L	52	3.7	CFR136A 625
Indeno(1,2,3-cd)pyrene	100	88.9	ug/L	89		CFR136A 625
	100	89.1	ug/L	89	0.24	CFR136A 625
Isophorone	100	84.0	ug/L	84		CFR136A 625
	100	81.9	ug/L	82	2.5	CFR136A 625
Naphthalene	100	73.0	ug/L	73		CFR136A 625
	100	67.1	ug/L	67	8.3	CFR136A 625
Nitrobenzene	100	84.1	ug/L	84		CFR136A 625
	100	84.2	ug/L	84	0.080	CFR136A 625
2-Nitrophenol	100	89.8	ug/L	90		CFR136A 625
	100	88.9	ug/L	89	1.0	CFR136A 625
4-Nitrophenol	100	94.5	ug/L	94		CFR136A 625
	100	93.3	ug/L	93	1.2	CFR136A 625
N-Nitrosodi-n-propyl-amine	100	86.1	ug/L	86		CFR136A 625
	100	87.1	ug/L	87	1.2	CFR136A 625
Pentachlorophenol	100	87.2	ug/L	87		CFR136A 625
	100	86.7	ug/L	87	0.52	CFR136A 625
Phenanthrene	100	89.8	ug/L	90		CFR136A 625
	100	87.7	ug/L	88	2.4	CFR136A 625
Phenol	100	86.8	ug/L	87		CFR136A 625
	100	85.9	ug/L	86	1.0	CFR136A 625
Pyrene	100	90.3	ug/L	90		CFR136A 625
	100	90.1	ug/L	90	0.22	CFR136A 625
1,2,4-Trichloro-benzene	100	65.6	ug/L	66		CFR136A 625
	100	59.3	ug/L	59	10	CFR136A 625
2,4,6-Trichloro-phenol	100	94.6	ug/L	95		CFR136A 625
	100	93.2	ug/L	93	1.6	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP99K1AE-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F200000-140 KP99K1AF-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzidine	**150**	**98.6**	**ug/L**	**66**		**CFR136A 625**
	150	**109**	**ug/L**	**73**	**10**	**CFR136A 625**
Hexachlorocyclopenta-diene	**100**	**26.6**	**ug/L**	**27**		**CFR136A 625**
	100	**25.2**	**ug/L**	**25**	**5.3**	**CFR136A 625**
N-Nitrosodimethylamine	**100**	**80.1**	**ug/L**	**80**		**CFR136A 625**
	100	**78.9**	**ug/L**	**79**	**1.6**	**CFR136A 625**
N-Nitrosodiphenylamine	**100**	**75.8**	**ug/L**	**76**		**CFR136A 625**
	100	**76.0**	**ug/L**	**76**	**0.20**	**CFR136A 625**
4-Methylphenol	**100**	**85.4**	**ug/L**	**85**		**CFR136A 625**
	100	**86.7**	**ug/L**	**87**	**1.6**	**CFR136A 625**
2-Methylphenol	**100**	**82.9**	**ug/L**	**83**		**CFR136A 625**
	100	**83.4**	**ug/L**	**83**	**0.65**	**CFR136A 625**
n-Decane	**100**	**49.1**	**ug/L**	**49**		**CFR136A 625**
	100	**47.5**	**ug/L**	**48**	**3.3**	**CFR136A 625**
2-Methylnaphthalene	**100**	**78.5**	**ug/L**	**78**		**CFR136A 625**
	100	**72.2**	**ug/L**	**72**	**8.4**	**CFR136A 625**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	84	(53 - 120)
	83	(53 - 120)
Phenol-d5	86	(57 - 120)
	87	(57 - 120)
Nitrobenzene-d5	85	(59 - 120)
	85	(59 - 120)
2-Fluorobiphenyl	81	(49 - 120)
	75	(49 - 120)
2,4,6-Tribromophenol	102	(50 - 120)
	97	(50 - 120)
Terphenyl-d14	95	(63 - 120)
	93	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 Work Order #...: KP9PX1AC Matrix.....: WATER
MS Lot-Sample #: D8F190366-018
Date Sampled...: 06/18/08 09:00 Date Received..: 06/19/08
Prep Date.....: 06/20/08 Analysis Date..: 06/25/08
Prep Batch #...: 8172140
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	NC,DIL	(56 - 120)	CFR136A 625
Acenaphthylene	NC,DIL	(53 - 120)	CFR136A 625
Anthracene	NC,DIL	(57 - 120)	CFR136A 625
Benzo(a)anthracene	NC,DIL	(56 - 120)	CFR136A 625
Benzo(a)pyrene	NC,DIL	(51 - 120)	CFR136A 625
Benzo(b)fluoranthene	NC,DIL	(52 - 120)	CFR136A 625
Benzo(ghi)perylene	NC,DIL	(47 - 120)	CFR136A 625
Benzo(k)fluoranthene	NC,DIL	(50 - 120)	CFR136A 625
4-Bromophenyl phenyl ether	NC,DIL	(57 - 120)	CFR136A 625
Butyl benzyl phthalate	NC,DIL	(50 - 120)	CFR136A 625
bis(2-Chloroethoxy) methane	NC,DIL	(55 - 120)	CFR136A 625
bis(2-Chloroethyl)-ether	NC,DIL	(51 - 120)	CFR136A 625
bis(2-Chloroisopropyl) ether	NC,DIL	(45 - 120)	CFR136A 625
4-Chloro-3-methylphenol	NC,DIL	(59 - 120)	CFR136A 625
2-Chloronaphthalene	NC,DIL	(54 - 118)	CFR136A 625
2-Chlorophenol	NC,DIL	(54 - 120)	CFR136A 625
4-Chlorophenyl phenyl ether	NC,DIL	(58 - 120)	CFR136A 625
Chrysene	NC,DIL	(55 - 120)	CFR136A 625
Dibenz(a,h)anthracene	NC,DIL	(54 - 120)	CFR136A 625
Di-n-butyl phthalate	NC,DIL	(58 - 118)	CFR136A 625
1,2-Dichlorobenzene	NC,DIL	(44 - 120)	CFR136A 625
1,3-Dichlorobenzene	NC,DIL	(41 - 120)	CFR136A 625
1,4-Dichlorobenzene	NC,DIL	(40 - 120)	CFR136A 625
3,3'-Dichlorobenzidine	NC,DIL	(34 - 120)	CFR136A 625
2,4-Dichlorophenol	NC,DIL	(56 - 120)	CFR136A 625
Diethyl phthalate	NC,DIL	(58 - 114)	CFR136A 625
2,4-Dimethylphenol	NC,DIL	(38 - 119)	CFR136A 625
Dimethyl phthalate	NC,DIL	(58 - 112)	CFR136A 625
4,6-Dinitro-2-methylphenol	NC,DIL	(33 - 120)	CFR136A 625
2,4-Dinitrophenol	NC,DIL	(33 - 120)	CFR136A 625
2,4-Dinitrotoluene	NC,DIL	(59 - 120)	CFR136A 625
2,6-Dinitrotoluene	NC,DIL	(59 - 120)	CFR136A 625

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PX1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-018

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Di-n-octyl phthalate	NC,DIL	(57 - 120)	CFR136A 625
bis(2-Ethylhexyl) phthalate	NC,DIL	(57 - 120)	CFR136A 625
Fluoranthene	NC,DIL	(57 - 120)	CFR136A 625
Fluorene	NC,DIL	(57 - 120)	CFR136A 625
Hexachlorobenzene	NC,DIL	(57 - 120)	CFR136A 625
Hexachlorobutadiene	NC,DIL	(41 - 116)	CFR136A 625
Hexachloroethane	NC,DIL	(35 - 113)	CFR136A 625
Indeno(1,2,3-cd)pyrene	NC,DIL	(53 - 120)	CFR136A 625
Isophorone	NC,DIL	(59 - 120)	CFR136A 625
Naphthalene	NC,DIL	(51 - 120)	CFR136A 625
Nitrobenzene	NC,DIL	(35 - 164)	CFR136A 625
2-Nitrophenol	NC,DIL	(55 - 120)	CFR136A 625
4-Nitrophenol	NC,DIL	(54 - 120)	CFR136A 625
N-Nitrosodi-n-propyl-amine	NC,DIL	(55 - 120)	CFR136A 625
Pentachlorophenol	NC,DIL	(51 - 120)	CFR136A 625
Phenanthrene	NC,DIL	(56 - 120)	CFR136A 625
Phenol	NC,DIL	(54 - 112)	CFR136A 625
Pyrene	NC,DIL	(54 - 115)	CFR136A 625
1,2,4-Trichloro-benzene	NC,DIL	(46 - 120)	CFR136A 625
2,4,6-Trichloro-phenol	NC,DIL	(58 - 120)	CFR136A 625
Benzidine	NC,DIL	(10 - 120)	CFR136A 625
Hexachlorocyclopenta-diene	NC,DIL	(10 - 120)	CFR136A 625
N-Nitrosodimethylamine	NC,DIL	(46 - 120)	CFR136A 625
N-Nitrosodiphenylamine	NC,DIL	(40 - 120)	CFR136A 625
4-Methylphenol	NC,DIL	(57 - 120)	CFR136A 625
2-Methylphenol	NC,DIL	(53 - 120)	CFR136A 625
n-Decane	NC,DIL	(17 - 120)	CFR136A 625
2-Methylnaphthalene	NC,DIL	(56 - 120)	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PX1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-018

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 Work Order #...: KP9PX1AC Matrix.....: WATER
MS Lot-Sample #: D8F190366-018
Date Sampled...: 06/18/08 09:00 Date Received..: 06/19/08
Prep Date.....: 06/20/08 Analysis Date..: 06/25/08
Prep Batch #...: 8172140
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Acenaphthylene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Anthracene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzo(a)anthracene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzo(a)pyrene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzo(b)fluoranthene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzo(ghi)perylene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzo(k)fluoranthene	ND	98.5	NC,DIL	ug/L		CFR136A 625
4-Bromophenyl phenyl ether	ND	98.5	NC,DIL	ug/L		CFR136A 625
Butyl benzyl phthalate	ND	98.5	NC,DIL	ug/L		CFR136A 625
bis(2-Chloroethoxy) methane	ND	98.5	NC,DIL	ug/L		CFR136A 625
bis(2-Chloroethyl)-ether	ND	98.5	NC,DIL	ug/L		CFR136A 625
bis(2-Chloroisopropyl) ether	ND	98.5	NC,DIL	ug/L		CFR136A 625
4-Chloro-3-methylphenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
2-Chloronaphthalene	ND	98.5	NC,DIL	ug/L		CFR136A 625
2-Chlorophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
4-Chlorophenyl phenyl ether	ND	98.5	NC,DIL	ug/L		CFR136A 625
Chrysene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Dibenz(a,h)anthracene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Di-n-butyl phthalate	ND	98.5	NC,DIL	ug/L		CFR136A 625
1,2-Dichlorobenzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
1,3-Dichlorobenzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
1,4-Dichlorobenzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
3,3'-Dichlorobenzidine	ND	98.5	NC,DIL	ug/L		CFR136A 625
2,4-Dichlorophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
Diethyl phthalate	7.7	98.5	NC,DIL	ug/L		CFR136A 625
2,4-Dimethylphenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
Dimethyl phthalate	ND	98.5	NC,DIL	ug/L		CFR136A 625
4,6-Dinitro-2-methylphenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
2,4-Dinitrophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
2,4-Dinitrotoluene	ND	98.5	NC,DIL	ug/L		CFR136A 625
2,6-Dinitrotoluene	ND	98.5	NC,DIL	ug/L		CFR136A 625

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PX1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-018

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Di-n-octyl phthalate	ND	98.5	NC,DIL	ug/L		CFR136A 625
bis(2-Ethylhexyl) phthalate	37	98.5	NC,DIL	ug/L		CFR136A 625
Fluoranthene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Fluorene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Hexachlorobenzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Hexachlorobutadiene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Hexachloroethane	ND	98.5	NC,DIL	ug/L		CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Isophorone	ND	98.5	NC,DIL	ug/L		CFR136A 625
Naphthalene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Nitrobenzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
2-Nitrophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
4-Nitrophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	98.5	NC,DIL	ug/L		CFR136A 625
Pentachlorophenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
Phenanthrene	ND	98.5	NC,DIL	ug/L		CFR136A 625
Phenol	33	98.5	NC,DIL	ug/L		CFR136A 625
Pyrene	ND	98.5	NC,DIL	ug/L		CFR136A 625
1,2,4-Trichloro-benzene	ND	98.5	NC,DIL	ug/L		CFR136A 625
2,4,6-Trichloro-phenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
Benzidine	ND	148	NC,DIL	ug/L		CFR136A 625
Hexachlorocyclopenta-diene	ND	98.5	NC,DIL	ug/L		CFR136A 625
N-Nitrosodimethylamine	ND	98.5	NC,DIL	ug/L		CFR136A 625
N-Nitrosodiphenylamine	ND	98.5	NC,DIL	ug/L		CFR136A 625
4-Methylphenol	110	98.5	NC,DIL	ug/L		CFR136A 625
2-Methylphenol	ND	98.5	NC,DIL	ug/L		CFR136A 625
n-Decane	ND	98.5	NC,DIL	ug/L		CFR136A 625
2-Methylnaphthalene	ND	98.5	NC,DIL	ug/L		CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PX1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-018

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQH3J1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8F250000-076

Prep Date.....: 06/25/08 **Analysis Time..:** 21:53
Analysis Date..: 06/27/08 **Prep Batch #...:** 8177076
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
1,2,4-Trichloro-benzene	ND	330	ug/kg	SW846 8270C
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	660	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	660	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQH3J1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1600	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	330	ug/kg	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(34 - 120)
Phenol-d5	79	(37 - 120)
Nitrobenzene-d5	75	(36 - 120)
2-Fluorobiphenyl	73	(36 - 120)
2,4,6-Tribromophenol	57	(30 - 120)
Terphenyl-d14	96	(28 - 120)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQH3J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F250000-076
Prep Date.....: 06/25/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8177076 **Analysis Time..:** 21:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dichlorobenzene	**75**	**(43 - 120)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**72**	**(46 - 120)**	**SW846 8270C**
Acenaphthene	**79**	**(46 - 120)**	**SW846 8270C**
Anthracene	**81**	**(57 - 120)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(50 - 120)**	**SW846 8270C**
2-Chlorophenol	**79**	**(49 - 120)**	**SW846 8270C**
Carbazole	**83**	**(54 - 120)**	**SW846 8270C**
2-Methylnaphthalene	**80**	**(55 - 120)**	**SW846 8270C**
2,4-Dinitrotoluene	**89**	**(48 - 120)**	**SW846 8270C**
2-Methylphenol	**80**	**(51 - 120)**	**SW846 8270C**
4-Nitrophenol	**67**	**(41 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**85**	**(45 - 120)**	**SW846 8270C**
Pentachlorophenol	**56**	**(33 - 120)**	**SW846 8270C**
Phenol	**84**	**(48 - 120)**	**SW846 8270C**
Pyrene	**90**	**(45 - 120)**	**SW846 8270C**
2,4,6-Trichloro-phenol	**79**	**(50 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(49 - 120)
Phenol-d5	82	(49 - 120)
Nitrobenzene-d5	79	(47 - 120)
2-Fluorobiphenyl	74	(44 - 120)
2,4,6-Tribromophenol	64	(44 - 120)
Terphenyl-d14	85	(50 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQH3J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F250000-076
Prep Date.....: 06/25/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8177076 **Analysis Time..:** 21:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dichlorobenzene	**3330**	**2510**	**ug/kg**	**75**	**SW846 8270C**
1,2,4-Trichloro-benzene	**3330**	**2380**	**ug/kg**	**72**	**SW846 8270C**
Acenaphthene	**3330**	**2620**	**ug/kg**	**79**	**SW846 8270C**
Anthracene	**3330**	**2700**	**ug/kg**	**81**	**SW846 8270C**
4-Chloro-3-methylphenol	**3330**	**2730**	**ug/kg**	**82**	**SW846 8270C**
2-Chlorophenol	**3330**	**2640**	**ug/kg**	**79**	**SW846 8270C**
Carbazole	**3330**	**2770**	**ug/kg**	**83**	**SW846 8270C**
2-Methylnaphthalene	**3330**	**2680**	**ug/kg**	**80**	**SW846 8270C**
2,4-Dinitrotoluene	**3330**	**2960**	**ug/kg**	**89**	**SW846 8270C**
2-Methylphenol	**3330**	**2670**	**ug/kg**	**80**	**SW846 8270C**
4-Nitrophenol	**3330**	**2220**	**ug/kg**	**67**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**3330**	**2830**	**ug/kg**	**85**	**SW846 8270C**
Pentachlorophenol	**3330**	**1870**	**ug/kg**	**56**	**SW846 8270C**
Phenol	**3330**	**2800**	**ug/kg**	**84**	**SW846 8270C**
Pyrene	**3330**	**3000**	**ug/kg**	**90**	**SW846 8270C**
2,4,6-Trichloro-phenol	**3330**	**2640**	**ug/kg**	**79**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(49 - 120)
Phenol-d5	82	(49 - 120)
Nitrobenzene-d5	79	(47 - 120)
2-Fluorobiphenyl	74	(44 - 120)
2,4,6-Tribromophenol	64	(44 - 120)
Terphenyl-d14	85	(50 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 Work Order #...: KQG5T1FQ-MS Matrix.....: SOLID
MS Lot-Sample #: D8F240213-001 KQG5T1FR-MSD
Date Sampled...: 06/23/08 05:51 Date Received..: 06/24/08
Prep Date.....: 06/25/08 Analysis Date..: 06/27/08
Prep Batch #...: 8177076 Analysis Time..: 23:11
Dilution Factor: 29.98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,4-Dichlorobenzene	NC,DIL	(30 - 120)			SW846 8270C
	NC,DIL	(30 - 120)		(0-68)	SW846 8270C
1,2,4-Trichloro-benzene	NC,DIL	(35 - 120)			SW846 8270C
	NC,DIL	(35 - 120)		(0-62)	SW846 8270C
Acenaphthene	NC,DIL	(36 - 120)			SW846 8270C
	NC,DIL	(36 - 120)		(0-50)	SW846 8270C
Anthracene	NC,DIL	(57 - 120)			SW846 8270C
	NC,DIL	(57 - 120)		(0-30)	SW846 8270C
4-Chloro-3-methylphenol	NC,DIL	(36 - 120)			SW846 8270C
	NC,DIL	(36 - 120)		(0-50)	SW846 8270C
2-Chlorophenol	NC,DIL	(32 - 120)			SW846 8270C
	NC,DIL	(32 - 120)		(0-62)	SW846 8270C
Carbazole	NC,DIL	(54 - 120)			SW846 8270C
	NC,DIL	(54 - 120)		(0-30)	SW846 8270C
2-Methylnaphthalene	NC,DIL	(55 - 120)			SW846 8270C
	NC,DIL	(55 - 120)		(0-30)	SW846 8270C
2,4-Dinitrotoluene	NC,DIL	(33 - 120)			SW846 8270C
	NC,DIL	(33 - 120)		(0-49)	SW846 8270C
2-Methylphenol	NC,DIL	(51 - 120)			SW846 8270C
	NC,DIL	(51 - 120)		(0-30)	SW846 8270C
4-Nitrophenol	NC,DIL	(23 - 120)			SW846 8270C
	NC,DIL	(23 - 120)		(0-54)	SW846 8270C
N-Nitrosodi-n-propyl-amine	NC,DIL	(34 - 120)			SW846 8270C
	NC,DIL	(34 - 120)		(0-57)	SW846 8270C
Pentachlorophenol	NC,DIL	(19 - 120)			SW846 8270C
	NC,DIL	(19 - 120)		(0-60)	SW846 8270C
Phenol	NC,DIL	(36 - 120)			SW846 8270C
	NC,DIL	(36 - 120)		(0-54)	SW846 8270C
Pyrene	NC,DIL	(16 - 127)			SW846 8270C
	NC,DIL	(16 - 127)		(0-48)	SW846 8270C
2,4,6-Trichloro-phenol	NC,DIL	(50 - 120)			SW846 8270C
	NC,DIL	(50 - 120)		(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQG5T1FQ-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F240213-001 KQG5T1FR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(34 - 120)
	NC,DIL	(34 - 120)
Phenol-d5	NC,DIL	(37 - 120)
	NC,DIL	(37 - 120)
Nitrobenzene-d5	NC,DIL	(36 - 120)
	NC,DIL	(36 - 120)
2-Fluorobiphenyl	NC,DIL	(36 - 120)
	NC,DIL	(36 - 120)
2,4,6-Tribromophenol	NC,DIL	(30 - 120)
	NC,DIL	(30 - 120)
Terphenyl-d14	NC,DIL	(28 - 120)
	NC,DIL	(28 - 120)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQG5T1FQ-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F240213-001 KQG5T1FR-MSD
Date Sampled...: 06/23/08 05:51 **Date Received..:** 06/24/08
Prep Date.....: 06/25/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8177076 **Analysis Time..:** 23:11
Dilution Factor: 29.98

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,4-Dichlorobenzene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
1,2,4-Trichloro-benzene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
Acenaphthene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
Anthracene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
4-Chloro-3-methylphenol	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
2-Chlorophenol	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
Carbazole	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
2-Methylnaphthalene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
2,4-Dinitrotoluene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
2-Methylphenol	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
4-Nitrophenol	ND	3330U		ug/kg	NC,DIL		SW846 8270C
	ND	3300U		ug/kg	NC,DIL		SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
Pentachlorophenol	ND	3330U		ug/kg	NC,DIL		SW846 8270C
	ND	3300U		ug/kg	NC,DIL		SW846 8270C
Phenol	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
Pyrene	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C
2,4,6-Trichloro-phenol	ND	3330		ug/kg	NC,DIL		SW846 8270C
	ND	3300		ug/kg	NC,DIL		SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQG5T1FQ-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F240213-001 KQG5T1FR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(34 - 120)
	NC,DIL	(34 - 120)
Phenol-d5	NC,DIL	(37 - 120)
	NC,DIL	(37 - 120)
Nitrobenzene-d5	NC,DIL	(36 - 120)
	NC,DIL	(36 - 120)
2-Fluorobiphenyl	NC,DIL	(36 - 120)
	NC,DIL	(36 - 120)
2,4,6-Tribromophenol	NC,DIL	(30 - 120)
	NC,DIL	(30 - 120)
Terphenyl-d14	NC,DIL	(28 - 120)
	NC,DIL	(28 - 120)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366
MB Lot-Sample #: D8F240000-380
Work Order #...: KQHFT1AA
Matrix.....: WATER
Prep Date.....: 06/24/08
Analysis Time..: 14:12
Analysis Date..: 07/19/08
Prep Batch #...: 8176380
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
alpha-Chlordane	ND	0.050	ug/L	CFR136A 608
gamma-Chlordane	ND	0.050	ug/L	CFR136A 608
4,4'-DDD	ND	0.10	ug/L	CFR136A 608
4,4'-DDE	ND	0.10	ug/L	CFR136A 608
4,4'-DDT	ND	0.10	ug/L	CFR136A 608
Dieldrin	ND	0.10	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.10	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.10	ug/L	CFR136A 608
Endrin	ND	0.10	ug/L	CFR136A 608
Endrin aldehyde	ND	0.10	ug/L	CFR136A 608
Endrin ketone	ND	0.10	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Methoxychlor	ND	0.50	ug/L	CFR136A 608
Mirex	ND	0.050	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(52 - 117)
Decachlorobiphenyl	82	(32 - 144)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHFT1AE **Matrix.....:** WATER
MB Lot-Sample #: D8F240000-380

Prep Date.....: 06/24/08 **Analysis Time..:** 00:36
Analysis Date..: 07/01/08 **Prep Batch #...:** 8176380
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	2.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(52 - 117)
Decachlorobiphenyl	96	(32 - 144)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHFT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-380 KQHFT1AD-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380 **Analysis Time..:** 12:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,4'-DDD	82	(72 - 119)			CFR136A 608
	89	(72 - 119)	9.0	(0-50)	CFR136A 608
4,4'-DDE	79	(76 - 115)			CFR136A 608
	84	(76 - 115)	6.1	(0-50)	CFR136A 608
4,4'-DDT	82	(56 - 127)			CFR136A 608
	87	(56 - 127)	5.2	(0-25)	CFR136A 608
Aldrin	71	(63 - 115)			CFR136A 608
	73	(63 - 115)	3.9	(0-33)	CFR136A 608
alpha-BHC	76	(74 - 115)			CFR136A 608
	82	(74 - 115)	6.9	(0-50)	CFR136A 608
beta-BHC	86	(69 - 119)			CFR136A 608
	91	(69 - 119)	5.6	(0-50)	CFR136A 608
delta-BHC	95	(77 - 117)			CFR136A 608
	102	(77 - 117)	6.7	(0-50)	CFR136A 608
Dieldrin	79	(78 - 115)			CFR136A 608
	84	(78 - 115)	6.4	(0-22)	CFR136A 608
Endosulfan I	74	(74 - 115)			CFR136A 608
	79	(74 - 115)	6.9	(0-50)	CFR136A 608
Endosulfan II	77	(72 - 115)			CFR136A 608
	85	(72 - 115)	9.4	(0-50)	CFR136A 608
Endosulfan sulfate	84	(75 - 115)			CFR136A 608
	91	(75 - 115)	7.8	(0-50)	CFR136A 608
Endrin aldehyde	66 a	(72 - 115)			CFR136A 608
	75	(72 - 115)	13	(0-50)	CFR136A 608
Endrin	90	(74 - 122)			CFR136A 608
	97	(74 - 122)	7.4	(0-39)	CFR136A 608
gamma-BHC (Lindane)	76	(74 - 117)			CFR136A 608
	81	(74 - 117)	6.5	(0-26)	CFR136A 608
Heptachlor epoxide	86	(78 - 115)			CFR136A 608
	91	(78 - 115)	5.8	(0-50)	CFR136A 608
Heptachlor	77	(64 - 115)			CFR136A 608
	81	(64 - 115)	4.7	(0-27)	CFR136A 608
alpha-Chlordane	83	(75 - 115)			CFR136A 608
	88	(75 - 115)	6.1	(0-50)	CFR136A 608
gamma-Chlordane	77	(75 - 115)			CFR136A 608
	82	(75 - 115)	6.1	(0-50)	CFR136A 608
Methoxychlor	82	(61 - 124)			CFR136A 608
	86	(61 - 124)	5.0	(0-50)	CFR136A 608

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHFT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-380 KQHFT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(57 - 115)
	86	(57 - 115)
Decachlorobiphenyl	87	(76 - 124)
	93	(76 - 124)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHFT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-380 KQHFT1AD-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380 **Analysis Time..:** 12:11
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4,4'-DDD	0.500	0.408	ug/L	82		CFR136A 608
	0.500	0.447	ug/L	89	9.0	CFR136A 608
4,4'-DDE	0.500	0.396	ug/L	79		CFR136A 608
	0.500	0.421	ug/L	84	6.1	CFR136A 608
4,4'-DDT	0.500	0.412	ug/L	82		CFR136A 608
	0.500	0.434	ug/L	87	5.2	CFR136A 608
Aldrin	0.500	0.353	ug/L	71		CFR136A 608
	0.500	0.367	ug/L	73	3.9	CFR136A 608
alpha-BHC	0.500	0.381	ug/L	76		CFR136A 608
	0.500	0.409	ug/L	82	6.9	CFR136A 608
beta-BHC	0.500	0.430	ug/L	86		CFR136A 608
	0.500	0.455	ug/L	91	5.6	CFR136A 608
delta-BHC	0.500	0.475	ug/L	95		CFR136A 608
	0.500	0.508	ug/L	102	6.7	CFR136A 608
Dieldrin	0.500	0.396	ug/L	79		CFR136A 608
	0.500	0.422	ug/L	84	6.4	CFR136A 608
Endosulfan I	0.500	0.369	ug/L	74		CFR136A 608
	0.500	0.395	ug/L	79	6.9	CFR136A 608
Endosulfan II	0.500	0.387	ug/L	77		CFR136A 608
	0.500	0.425	ug/L	85	9.4	CFR136A 608
Endosulfan sulfate	0.500	0.419	ug/L	84		CFR136A 608
	0.500	0.453	ug/L	91	7.8	CFR136A 608
Endrin aldehyde	0.500	0.329 a	ug/L	66		CFR136A 608
	0.500	0.376	ug/L	75	13	CFR136A 608
Endrin	0.500	0.451	ug/L	90		CFR136A 608
	0.500	0.486	ug/L	97	7.4	CFR136A 608
gamma-BHC (Lindane)	0.500	0.378	ug/L	76		CFR136A 608
	0.500	0.403	ug/L	81	6.5	CFR136A 608
Heptachlor epoxide	0.500	0.428	ug/L	86		CFR136A 608
	0.500	0.454	ug/L	91	5.8	CFR136A 608
Heptachlor	0.500	0.386	ug/L	77		CFR136A 608
	0.500	0.404	ug/L	81	4.7	CFR136A 608
alpha-Chlordane	0.500	0.415	ug/L	83		CFR136A 608
	0.500	0.442	ug/L	88	6.1	CFR136A 608
gamma-Chlordane	0.500	0.386	ug/L	77		CFR136A 608
	0.500	0.411	ug/L	82	6.1	CFR136A 608
Methoxychlor	0.500	0.411	ug/L	82		CFR136A 608
	0.500	0.432	ug/L	86	5.0	CFR136A 608

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHFT1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-380 KQHFT1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(57 - 115)
	86	(57 - 115)
Decachlorobiphenyl	87	(76 - 124)
	93	(76 - 124)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PJ1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-008
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
4,4'-DDD	**NC,DIL**	**(66 - 116)**	**CFR136A 608**
4,4'-DDE	**NC,DIL**	**(54 - 124)**	**CFR136A 608**
4,4'-DDT	**NC,DIL**	**(56 - 125)**	**CFR136A 608**
Aldrin	**NC,DIL**	**(46 - 121)**	**CFR136A 608**
alpha-BHC	**NC,DIL**	**(67 - 118)**	**CFR136A 608**
beta-BHC	**NC,DIL**	**(63 - 119)**	**CFR136A 608**
delta-BHC	**NC,DIL**	**(70 - 119)**	**CFR136A 608**
Dieldrin	**NC,DIL**	**(73 - 115)**	**CFR136A 608**
Endosulfan I	**NC,DIL**	**(62 - 113)**	**CFR136A 608**
Endosulfan II	**NC,DIL**	**(67 - 114)**	**CFR136A 608**
Endosulfan sulfate	**NC,DIL**	**(66 - 120)**	**CFR136A 608**
Endrin	**NC,DIL**	**(67 - 129)**	**CFR136A 608**
Endrin aldehyde	**NC,DIL**	**(65 - 114)**	**CFR136A 608**
Endrin ketone	**NC,DIL**	**(74 - 120)**	**CFR136A 608**
gamma-BHC (Lindane)	**NC,DIL**	**(69 - 116)**	**CFR136A 608**
Heptachlor	**NC,DIL**	**(60 - 115)**	**CFR136A 608**
Heptachlor epoxide	**NC,DIL**	**(72 - 112)**	**CFR136A 608**
Methoxychlor	**NC,DIL**	**(59 - 129)**	**CFR136A 608**
alpha-Chlordane	**NC,DIL**	**(64 - 117)**	**CFR136A 608**
gamma-Chlordane	**NC,DIL**	**(63 - 121)**	**CFR136A 608**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(52 - 117)
Decachlorobiphenyl	NC,DIL	(32 - 144)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PJ1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-008
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/19/08
Prep Batch #...: 8176380
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4,4'-DDD	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
4,4'-DDE	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
4,4'-DDT	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Aldrin	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
alpha-BHC	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
beta-BHC	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
delta-BHC	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Dieldrin	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endosulfan I	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endosulfan II	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endosulfan sulfate	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endrin	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endrin aldehyde	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Endrin ketone	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
gamma-BHC (Lindane)	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Heptachlor	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Heptachlor epoxide	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
Methoxychlor	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
alpha-Chlordane	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**
gamma-Chlordane	**ND**	**0.482**	**NC,DIL**	**ug/L**		**CFR136A 608**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(52 - 117)
Decachlorobiphenyl	NC,DIL	(32 - 144)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366
MB Lot-Sample #: D8F240000-360
Work Order #...: KQHEL1AA
Matrix.....: WATER
Prep Date.....: 06/24/08
Analysis Time..: 00:02
Analysis Date..: 07/01/08
Prep Batch #...: 8176360
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	2.5	ug/L	MCAWW 614
Demeton (total)	ND	1.0	ug/L	MCAWW 614
Malathion	ND	1.2	ug/L	MCAWW 614
Methyl parathion	ND	4.0	ug/L	MCAWW 614
Ethyl parathion	ND	1.0	ug/L	MCAWW 614

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	102	(49 - 171)
Triphenyl phosphate	115	(60 - 154)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQHEL1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-360
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360 **Analysis Time..:** 00:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Demeton (total)	**62**	**(33 - 141)**	**MCAWW 614**
Malathion	**76**	**(53 - 137)**	**MCAWW 614**
Ethyl parathion	**69**	**(47 - 142)**	**MCAWW 614**
Methyl parathion	**75**	**(55 - 131)**	**MCAWW 614**
Diazinon	**74**	**(47 - 149)**	**MCAWW 614**
Phorate	**72**	**(46 - 142)**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	72	(49 - 171)
Triphenyl phosphate	77	(60 - 154)

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 #...: D8F190366 **Work Order #...:** KQHEL1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8F240000-360
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360 **Analysis Time..:** 00:21
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Demeton (total)	**4.00**	**2.50**	**ug/L**	**62**	**MCAWW 614**
Malathion	**4.00**	**3.04**	**ug/L**	**76**	**MCAWW 614**
Ethyl parathion	**4.00**	**2.78**	**ug/L**	**69**	**MCAWW 614**
Methyl parathion	**4.00**	**3.01**	**ug/L**	**75**	**MCAWW 614**
Diazinon	**8.00**	**5.93**	**ug/L**	**74**	**MCAWW 614**
Phorate	**4.00**	**2.87**	**ug/L**	**72**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	72	(49 - 171)
Triphenyl phosphate	77	(60 - 154)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PP1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-012
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Malathion	**128**	**(53 - 137)**	**MCAWW 614**
Ethyl parathion	**90**	**(47 - 142)**	**MCAWW 614**
Methyl parathion	**115**	**(55 - 131)**	**MCAWW 614**
Demeton (total)	**84**	**(33 - 141)**	**MCAWW 614**
Diazinon	**112**	**(47 - 149)**	**MCAWW 614**
Phorate	**107**	**(46 - 142)**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	82	(49 - 171)
Triphenyl phosphate	112	(60 - 154)

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

Lot-Sample #...: D8F190366 **Work Order #...:** KP9PP1AC **Matrix.....:** WATER
MS Lot-Sample #: D8F190366-012
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8176360
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Malathion	**ND**	**3.90**	**5.01**	**ug/L**	**128**	**MCAWW 614**
Ethyl parathion	**ND**	**3.90**	**3.51**	**ug/L**	**90**	**MCAWW 614**
Methyl parathion	**ND**	**3.90**	**4.50**	**ug/L**	**115**	**MCAWW 614**
Demeton (total)	**ND**	**3.90**	**3.28**	**ug/L**	**84**	**MCAWW 614**
Diazinon	**ND**	**7.80**	**8.71**	**ug/L**	**112**	**MCAWW 614**
Phorate	**ND**	**3.90**	**4.18**	**ug/L**	**107**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	82	(49 - 171)
Triphenyl phosphate	112	(60 - 154)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7Q1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8F240000-144

Prep Date.....: 06/24/08 **Analysis Time..:** 14:40
Analysis Date..: 07/09/08 **Prep Batch #...:** 8176144
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Mirex	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Chlordane (technical)	ND	25	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDD	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	1.7	ug/kg	SW846 8081A
4,4'-DDT	ND	1.7	ug/kg	SW846 8081A
Dieldrin	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
Endosulfan II	ND	1.7	ug/kg	SW846 8081A
Endosulfan sulfate	ND	1.7	ug/kg	SW846 8081A
Endrin	ND	1.7	ug/kg	SW846 8081A
Endrin aldehyde	ND	1.7	ug/kg	SW846 8081A
Endrin ketone	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Methoxychlor	ND	3.3	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(43 - 124)
Decachlorobiphenyl	57	(51 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7Q1AD-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-144 KQF7Q1AE-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/09/08
Prep Batch #...: 8176144 **Analysis Time..:** 12:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	72	(60 - 115)			SW846 8081A
	67	(60 - 115)	7.6	(0-50)	SW846 8081A
alpha-BHC	75	(54 - 115)			SW846 8081A
	70	(54 - 115)	7.0	(0-17)	SW846 8081A
beta-BHC	84	(58 - 115)			SW846 8081A
	78	(58 - 115)	8.1	(0-17)	SW846 8081A
delta-BHC	95	(62 - 115)			SW846 8081A
	90	(62 - 115)	6.6	(0-19)	SW846 8081A
gamma-BHC (Lindane)	74	(59 - 115)			SW846 8081A
	70	(59 - 115)	7.1	(0-24)	SW846 8081A
alpha-Chlordane	83	(60 - 115)			SW846 8081A
	78	(60 - 115)	6.9	(0-18)	SW846 8081A
gamma-Chlordane	77	(60 - 115)			SW846 8081A
	72	(60 - 115)	6.6	(0-21)	SW846 8081A
4,4'-DDD	82	(57 - 118)			SW846 8081A
	78	(57 - 118)	5.4	(0-20)	SW846 8081A
4,4'-DDE	80	(61 - 115)			SW846 8081A
	75	(61 - 115)	7.1	(0-15)	SW846 8081A
4,4'-DDT	81	(53 - 125)			SW846 8081A
	79	(53 - 125)	3.3	(0-29)	SW846 8081A
Dieldrin	77	(63 - 117)			SW846 8081A
	75	(63 - 117)	3.8	(0-25)	SW846 8081A
Endosulfan I	74	(55 - 115)			SW846 8081A
	70	(55 - 115)	6.6	(0-26)	SW846 8081A
Endosulfan II	80	(60 - 115)			SW846 8081A
	75	(60 - 115)	6.2	(0-20)	SW846 8081A
Endosulfan sulfate	85	(58 - 118)			SW846 8081A
	82	(58 - 118)	5.2	(0-22)	SW846 8081A
Endrin	88	(61 - 121)			SW846 8081A
	86	(61 - 121)	4.1	(0-30)	SW846 8081A
Endrin aldehyde	54	(54 - 115)			SW846 8081A
	60	(54 - 115)	9.2	(0-29)	SW846 8081A
Endrin ketone	86	(61 - 118)			SW846 8081A
	82	(61 - 118)	4.8	(0-20)	SW846 8081A
Heptachlor	78	(61 - 115)			SW846 8081A
	73	(61 - 115)	6.9	(0-18)	SW846 8081A
Heptachlor epoxide	84	(62 - 112)			SW846 8081A
	80	(62 - 112)	6.7	(0-18)	SW846 8081A
Methoxychlor	80	(52 - 123)			SW846 8081A
	79	(52 - 123)	2.2	(0-23)	SW846 8081A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7Q1AD-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-144 KQF7Q1AE-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(59 - 115)
	80	(59 - 115)
Decachlorobiphenyl	89	(63 - 124)
	84	(63 - 124)

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 #...: D8F190366 **Work Order #...:** KQF7Q1AD-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-144 KQF7Q1AE-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/09/08
Prep Batch #...: 8176144 **Analysis Time..:** 12:56
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	15.8	11.4	ug/kg	72		SW846 8081A
	15.7	10.5	ug/kg	67	7.6	SW846 8081A
alpha-BHC	15.8	11.8	ug/kg	75		SW846 8081A
	15.7	11.0	ug/kg	70	7.0	SW846 8081A
beta-BHC	15.8	13.2	ug/kg	84		SW846 8081A
	15.7	12.2	ug/kg	78	8.1	SW846 8081A
delta-BHC	15.8	15.1	ug/kg	95		SW846 8081A
	15.7	14.1	ug/kg	90	6.6	SW846 8081A
gamma-BHC (Lindane)	15.8	11.7	ug/kg	74		SW846 8081A
	15.7	10.9	ug/kg	70	7.1	SW846 8081A
alpha-Chlordane	15.8	13.0	ug/kg	83		SW846 8081A
	15.7	12.2	ug/kg	78	6.9	SW846 8081A
gamma-Chlordane	15.8	12.1	ug/kg	77		SW846 8081A
	15.7	11.4	ug/kg	72	6.6	SW846 8081A
4,4'-DDD	15.8	12.9	ug/kg	82		SW846 8081A
	15.7	12.2	ug/kg	78	5.4	SW846 8081A
4,4'-DDE	15.8	12.6	ug/kg	80		SW846 8081A
	15.7	11.7	ug/kg	75	7.1	SW846 8081A
4,4'-DDT	15.8	12.8	ug/kg	81		SW846 8081A
	15.7	12.4	ug/kg	79	3.3	SW846 8081A
Dieldrin	15.8	12.2	ug/kg	77		SW846 8081A
	15.7	11.8	ug/kg	75	3.8	SW846 8081A
Endosulfan I	15.8	11.7	ug/kg	74		SW846 8081A
	15.7	10.9	ug/kg	70	6.6	SW846 8081A
Endosulfan II	15.8	12.6	ug/kg	80		SW846 8081A
	15.7	11.8	ug/kg	75	6.2	SW846 8081A
Endosulfan sulfate	15.8	13.5	ug/kg	85		SW846 8081A
	15.7	12.8	ug/kg	82	5.2	SW846 8081A
Endrin	15.8	14.0	ug/kg	88		SW846 8081A
	15.7	13.4	ug/kg	86	4.1	SW846 8081A
Endrin aldehyde	15.8	8.57	ug/kg	54		SW846 8081A
	15.7	9.40	ug/kg	60	9.2	SW846 8081A
Endrin ketone	15.8	13.6	ug/kg	86		SW846 8081A
	15.7	12.9	ug/kg	82	4.8	SW846 8081A
Heptachlor	15.8	12.3	ug/kg	78		SW846 8081A
	15.7	11.5	ug/kg	73	6.9	SW846 8081A
Heptachlor epoxide	15.8	13.4	ug/kg	84		SW846 8081A
	15.7	12.5	ug/kg	80	6.7	SW846 8081A
Methoxychlor	15.8	12.6	ug/kg	80		SW846 8081A
	15.7	12.4	ug/kg	79	2.2	SW846 8081A

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7Q1AD-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-144 KQF7Q1AE-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(59 - 115)
	80	(59 - 115)
Decachlorobiphenyl	89	(63 - 124)
	84	(63 - 124)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 Work Order #...: KP9JD1DN-MS Matrix.....: SOLID
MS Lot-Sample #: D8F190352-013 KP9JD1DP-MSD
Date Sampled...: 06/18/08 08:52 Date Received..: 06/19/08
Prep Date.....: 06/24/08 Analysis Date..: 07/09/08
Prep Batch #...: 8176144 Analysis Time..: 14:05
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	NC,DIL	(32 - 130)			SW846 8081A
	NC,DIL	(32 - 130)		(0-50)	SW846 8081A
alpha-BHC	NC,DIL	(44 - 112)			SW846 8081A
	NC,DIL	(44 - 112)		(0-33)	SW846 8081A
beta-BHC	NC,DIL	(44 - 124)			SW846 8081A
	NC,DIL	(44 - 124)		(0-45)	SW846 8081A
delta-BHC	NC,DIL	(19 - 143)			SW846 8081A
	NC,DIL	(19 - 143)		(0-50)	SW846 8081A
gamma-BHC (Lindane)	NC,DIL	(39 - 132)			SW846 8081A
	NC,DIL	(39 - 132)		(0-40)	SW846 8081A
alpha-Chlordane	NC,DIL	(15 - 150)			SW846 8081A
	NC,DIL	(15 - 150)		(0-44)	SW846 8081A
gamma-Chlordane	NC,DIL	(29 - 138)			SW846 8081A
	NC,DIL	(29 - 138)		(0-43)	SW846 8081A
4,4'-DDD	NC,DIL	(36 - 129)			SW846 8081A
	NC,DIL	(36 - 129)		(0-50)	SW846 8081A
4,4'-DDE	NC,DIL	(10 - 150)			SW846 8081A
	NC,DIL	(10 - 150)		(0-50)	SW846 8081A
4,4'-DDT	NC,DIL	(10 - 150)			SW846 8081A
	NC,DIL	(10 - 150)		(0-50)	SW846 8081A
Dieldrin	NC,DIL	(45 - 126)			SW846 8081A
	NC,DIL	(45 - 126)		(0-39)	SW846 8081A
Endosulfan I	NC,DIL	(10 - 150)			SW846 8081A
	NC,DIL	(10 - 150)		(0-50)	SW846 8081A
Endosulfan II	NC,DIL	(34 - 120)			SW846 8081A
	NC,DIL	(34 - 120)		(0-50)	SW846 8081A
Endosulfan sulfate	NC,DIL	(33 - 130)			SW846 8081A
	NC,DIL	(33 - 130)		(0-50)	SW846 8081A
Endrin	NC,DIL	(37 - 145)			SW846 8081A
	NC,DIL	(37 - 145)		(0-50)	SW846 8081A
Endrin aldehyde	NC,DIL	(10 - 137)			SW846 8081A
	NC,DIL	(10 - 137)		(0-50)	SW846 8081A
Endrin ketone	NC,DIL	(39 - 126)			SW846 8081A
	NC,DIL	(39 - 126)		(0-39)	SW846 8081A
Heptachlor	NC,DIL	(10 - 150)			SW846 8081A
	NC,DIL	(10 - 150)		(0-38)	SW846 8081A
Heptachlor epoxide	NC,DIL	(40 - 122)			SW846 8081A
	NC,DIL	(40 - 122)		(0-48)	SW846 8081A
Methoxychlor	NC,DIL	(27 - 139)			SW846 8081A
	NC,DIL	(27 - 139)		(0-50)	SW846 8081A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP9JD1DN-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F190352-013 KP9JD1DP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(43 - 124)
	NC,DIL	(43 - 124)
Decachlorobiphenyl	NC,DIL	(51 - 132)
	NC,DIL	(51 - 132)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP9JD1DN-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F190352-013 KP9JD1DP-MSD
Date Sampled...: 06/18/08 08:52 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 07/09/08
Prep Batch #...: 8176144 **Analysis Time..:** 14:05
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
alpha-BHC	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
beta-BHC	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
delta-BHC	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
gamma-BHC (Lindane)	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
alpha-Chlordane	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
gamma-Chlordane	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
4,4'-DDD	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
4,4'-DDE	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
4,4'-DDT	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Dieldrin	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Endosulfan I	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Endosulfan II	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Endosulfan sulfate	2.8	17.2		ug/kg	NC,DIL		SW846 8081A
	2.8	17.1		ug/kg	NC,DIL		SW846 8081A
Endrin	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Endrin aldehyde	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Endrin ketone	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Heptachlor	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Heptachlor epoxide	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A
Methoxychlor	ND	17.2		ug/kg	NC,DIL		SW846 8081A
	ND	17.1		ug/kg	NC,DIL		SW846 8081A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP9JD1DN-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F190352-013 KP9JD1DP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(43 - 124)
	NC,DIL	(43 - 124)
Decachlorobiphenyl	NC,DIL	(51 - 132)
	NC,DIL	(51 - 132)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7H1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8F240000-143

Prep Date.....: 06/24/08 **Analysis Time..:** 01:46
Analysis Date..: 07/04/08 **Prep Batch #...:** 8176143
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	47	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(53 - 132)
Decachlorobiphenyl	126	(38 - 162)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQF7H1AE-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-143 KQF7H1AF-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/04/08
Prep Batch #...: 8176143 **Analysis Time..:** 02:08
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**94**	**(54 - 132)**			**SW846 8082**
	93	**(54 - 132)**	**3.7**	**(0-26)**	**SW846 8082**
Aroclor 1260	**90**	**(62 - 129)**			**SW846 8082**
	92	**(62 - 129)**	**7.1**	**(0-26)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(53 - 128)
	83	(53 - 128)
Decachlorobiphenyl	103	(59 - 130)
	105	(59 - 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 #...: D8F190366 **Work Order #...:** KQF7H1AE-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8F240000-143 KQF7H1AF-LCSD
Prep Date.....: 06/24/08 **Analysis Date..:** 07/04/08
Prep Batch #...: 8176143 **Analysis Time..:** 02:08
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aroclor 1016	**63.2**	**59.5**	**ug/kg**	**94**		**SW846 8082**
	66.1	**61.7**	**ug/kg**	**93**	**3.7**	**SW846 8082**
Aroclor 1260	**63.2**	**56.6**	**ug/kg**	**90**		**SW846 8082**
	66.1	**60.8**	**ug/kg**	**92**	**7.1**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(53 - 128)
	83	(53 - 128)
Decachlorobiphenyl	103	(59 - 130)
	105	(59 - 130)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQENX1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8F230000-189

Prep Date.....: 06/23/08 **Analysis Time..:** 03:10
Analysis Date..: 07/01/08 **Prep Batch #...:** 8175189
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	13	ug/kg	SW846 8141A
Demeton (total)	ND	39	ug/kg	SW846 8141A
Malathion	ND	15	ug/kg	SW846 8141A
Methyl parathion	ND	20	ug/kg	SW846 8141A
Ethyl parathion	ND	18	ug/kg	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	62	(42 - 132)
Triphenyl phosphate	91	(47 - 161)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KQENX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F230000-189
Prep Date.....: 06/23/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8175189 **Analysis Time..:** 03:29
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Demeton (total)	**24**	**(10 - 123)**	**SW846 8141A**
Malathion	**85**	**(49 - 124)**	**SW846 8141A**
Methyl parathion	**76**	**(51 - 115)**	**SW846 8141A**
Azinphos-methyl	**82**	**(21 - 145)**	**SW846 8141A**
Ethyl parathion	**81**	**(38 - 134)**	**SW846 8141A**
Diazinon	**51**	**(49 - 122)**	**SW846 8141A**
Phorate	**60**	**(45 - 115)**	**SW846 8141A**
Chlorpyrifos	**68**	**(57 - 115)**	**SW846 8141A**
Coumaphos	**76**	**(42 - 129)**	**SW846 8141A**
Dichlorvos	**90**	**(25 - 147)**	**SW846 8141A**
Dimethoate	**89**	**(10 - 156)**	**SW846 8141A**
Disulfoton	**51**	**(10 - 133)**	**SW846 8141A**
Ethoprop	**77**	**(51 - 119)**	**SW846 8141A**
Famphur	**81**	**(33 - 144)**	**SW846 8141A**
Fensulfothion	**89**	**(47 - 123)**	**SW846 8141A**
Fenthion	**74**	**(52 - 115)**	**SW846 8141A**
Mevinphos	**80**	**(15 - 143)**	**SW846 8141A**
Tetrachlorvinphos	**78**	**(30 - 130)**	**SW846 8141A**
Thionazin	**74**	**(50 - 124)**	**SW846 8141A**
Ronnel	**67**	**(46 - 115)**	**SW846 8141A**
Sulfotepp	**71**	**(41 - 123)**	**SW846 8141A**
Trichloronate	**69**	**(50 - 115)**	**SW846 8141A**
Simazine	**145**	**(11 - 162)**	**SW846 8141A**
O,O,O-Triethylphosphoro-thioate	**75**	**(50 - 150)**	**SW846 8141A**
Atrazine	**88**	**(50 - 150)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	66	(42 - 132)
Triphenyl phosphate	93	(47 - 161)

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 #...: D8F190366 **Work Order #...:** KQENX1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8F230000-189
Prep Date.....: 06/23/08 **Analysis Date..:** 07/01/08
Prep Batch #...: 8175189 **Analysis Time..:** 03:29
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Demeton (total)	**131**	**31.9**	**ug/kg**	**24**	**SW846 8141A**
Malathion	**131**	**111**	**ug/kg**	**85**	**SW846 8141A**
Methyl parathion	**131**	**98.9**	**ug/kg**	**76**	**SW846 8141A**
Azinphos-methyl	**131**	**107**	**ug/kg**	**82**	**SW846 8141A**
Ethyl parathion	**131**	**106**	**ug/kg**	**81**	**SW846 8141A**
Diazinon	**261**	**134**	**ug/kg**	**51**	**SW846 8141A**
Phorate	**131**	**78.3**	**ug/kg**	**60**	**SW846 8141A**
Chlorpyrifos	**131**	**89.1**	**ug/kg**	**68**	**SW846 8141A**
Coumaphos	**131**	**99.5**	**ug/kg**	**76**	**SW846 8141A**
Dichlorvos	**131**	**117**	**ug/kg**	**90**	**SW846 8141A**
Dimethoate	**131**	**117**	**ug/kg**	**89**	**SW846 8141A**
Disulfoton	**261**	**134**	**ug/kg**	**51**	**SW846 8141A**
Ethoprop	**131**	**101**	**ug/kg**	**77**	**SW846 8141A**
Famphur	**261**	**211**	**ug/kg**	**81**	**SW846 8141A**
Fensulfothion	**131**	**117**	**ug/kg**	**89**	**SW846 8141A**
Fenthion	**131**	**96.6**	**ug/kg**	**74**	**SW846 8141A**
Mevinphos	**131**	**104**	**ug/kg**	**80**	**SW846 8141A**
Tetrachlorvinphos	**131**	**102**	**ug/kg**	**78**	**SW846 8141A**
Thionazin	**131**	**97.3**	**ug/kg**	**74**	**SW846 8141A**
Ronnel	**131**	**87.6**	**ug/kg**	**67**	**SW846 8141A**
Sulfotepp	**131**	**93.1**	**ug/kg**	**71**	**SW846 8141A**
Trichloronate	**131**	**90.3**	**ug/kg**	**69**	**SW846 8141A**
Simazine	**131**	**189**	**ug/kg**	**145**	**SW846 8141A**
O,O,O-Triethylphosphoro-thioate	**131**	**98.4**	**ug/kg**	**75**	**SW846 8141A**
Atrazine	**131**	**115**	**ug/kg**	**88**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	66	(42 - 132)
Triphenyl phosphate	93	(47 - 161)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 Work Order #...: KP9PK1AF-MS Matrix.....: SOLID
MS Lot-Sample #: D8F190366-009 KP9PK1AG-MSD
Date Sampled...: 06/18/08 06:00 Date Received..: 06/19/08
Prep Date.....: 06/23/08 Analysis Date..: 07/01/08
Prep Batch #...: 8175189 Analysis Time..: 04:07
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	NC,DIL	(10 - 123)			SW846 8141A
	NC,DIL	(10 - 123)		(0-47)	SW846 8141A
Malathion	NC,DIL	(49 - 124)			SW846 8141A
	NC,DIL	(49 - 124)		(0-53)	SW846 8141A
Methyl parathion	NC,DIL	(51 - 115)			SW846 8141A
	NC,DIL	(51 - 115)		(0-53)	SW846 8141A
Azinphos-methyl	NC,DIL	(21 - 145)			SW846 8141A
	NC,DIL	(21 - 145)		(0-43)	SW846 8141A
Ethyl parathion	NC,DIL	(38 - 134)			SW846 8141A
	NC,DIL	(38 - 134)		(0-47)	SW846 8141A
Diazinon	NC,DIL	(49 - 122)			SW846 8141A
	NC,DIL	(49 - 122)		(0-40)	SW846 8141A
Phorate	NC,DIL	(45 - 115)			SW846 8141A
	NC,DIL	(45 - 115)		(0-40)	SW846 8141A
Chlorpyrifos	NC,DIL	(57 - 115)			SW846 8141A
	NC,DIL	(57 - 115)		(0-37)	SW846 8141A
Coumaphos	NC,DIL	(42 - 129)			SW846 8141A
	NC,DIL	(42 - 129)		(0-27)	SW846 8141A
Dichlorvos	NC,DIL	(25 - 147)			SW846 8141A
	NC,DIL	(25 - 147)		(0-77)	SW846 8141A
Dimethoate	NC,DIL	(10 - 156)			SW846 8141A
	NC,DIL	(10 - 156)		(0-98)	SW846 8141A
Disulfoton	NC,DIL	(10 - 133)			SW846 8141A
	NC,DIL	(10 - 133)		(0-40)	SW846 8141A
Ethoprop	NC,DIL	(51 - 119)			SW846 8141A
	NC,DIL	(51 - 119)		(0-54)	SW846 8141A
Famphur	NC,DIL	(33 - 144)			SW846 8141A
	NC,DIL	(33 - 144)		(0-31)	SW846 8141A
Fensulfothion	NC,DIL	(47 - 123)			SW846 8141A
	NC,DIL	(47 - 123)		(0-49)	SW846 8141A
Fenthion	NC,DIL	(52 - 115)			SW846 8141A
	NC,DIL	(52 - 115)		(0-43)	SW846 8141A
Mevinphos	NC,DIL	(15 - 143)			SW846 8141A
	NC,DIL	(15 - 143)		(0-78)	SW846 8141A
Tetrachlorvinphos	NC,DIL	(30 - 130)			SW846 8141A
	NC,DIL	(30 - 130)		(0-24)	SW846 8141A
Thionazin	NC,DIL	(50 - 124)			SW846 8141A
	NC,DIL	(50 - 124)		(0-40)	SW846 8141A
Ronnel	NC,DIL	(46 - 115)			SW846 8141A
	NC,DIL	(46 - 115)		(0-41)	SW846 8141A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP9PK1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F190366-009 KP9PK1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Sulfotepp	**NC,DIL**	**(41 - 123)**			**SW846 8141A**
	NC,DIL	**(41 - 123)**		**(0-40)**	**SW846 8141A**
Trichloronate	**NC,DIL**	**(50 - 115)**			**SW846 8141A**
	NC,DIL	**(50 - 115)**		**(0-43)**	**SW846 8141A**
Simazine	**NC,DIL**	**(11 - 162)**			**SW846 8141A**
	NC,DIL	**(11 - 162)**		**(0-58)**	**SW846 8141A**
O,O,O-Triethylphosphorothioate	**NC,DIL**	**(50 - 150)**			**SW846 8141A**
	NC,DIL	**(50 - 150)**		**(0-50)**	**SW846 8141A**
Atrazine	**NC,DIL**	**(50 - 150)**			**SW846 8141A**
	NC,DIL	**(50 - 150)**		**(0-50)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)
	NC,DIL	(47 - 161)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 Work Order #...: KP9PK1AF-MS Matrix.....: SOLID
MS Lot-Sample #: D8F190366-009 KP9PK1AG-MSD
Date Sampled...: 06/18/08 06:00 Date Received..: 06/19/08
Prep Date.....: 06/23/08 Analysis Date..: 07/01/08
Prep Batch #...: 8175189 Analysis Time..: 04:07
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Demeton (total)	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Malathion	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Methyl parathion	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Azinphos-methyl	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Ethyl parathion	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Diazinon	ND	875		ug/kg	NC,DIL		SW846 8141A
	ND	892		ug/kg	NC,DIL		SW846 8141A
Phorate	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Chlorpyrifos	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Coumaphos	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Dichlorvos	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Dimethoate	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Disulfoton	ND	875		ug/kg	NC,DIL		SW846 8141A
	ND	892		ug/kg	NC,DIL		SW846 8141A
Ethoprop	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Famphur	ND	875		ug/kg	NC,DIL		SW846 8141A
	ND	892		ug/kg	NC,DIL		SW846 8141A
Fensulfothion	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Fenthion	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Mevinphos	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Tetrachlorvinphos	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Thionazin	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A
Ronnel	ND	438		ug/kg	NC,DIL		SW846 8141A
	ND	446		ug/kg	NC,DIL		SW846 8141A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8F190366 **Work Order #...:** KP9PK1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8F190366-009 KP9PK1AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Sulfotepp	**ND**	**438**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**446**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Trichloronate	**250**	**438**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	250	**446**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Simazine	**ND**	**438**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**446**		**ug/kg**	**NC,DIL**		**SW846 8141A**
O,O,O-Triethylphosphorothioate	**ND**	**438**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**446**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Atrazine	**ND**	**438**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**446**		**ug/kg**	**NC,DIL**		**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)
	NC,DIL	(47 - 161)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F200000-216 **Prep Batch #...:** 8172216						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/23/08	KQAGG1AA
		Dilution Factor: 1				
		Analysis Time..: 18:31				
MB Lot-Sample #: D8F240000-465 **Prep Batch #...:** 8176465						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AK
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AC
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AD
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AE
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Chromium	**1.0 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AF**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AG
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AP
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Molybdenum	**0.043 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AH**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AJ
		Dilution Factor: 1				
		Analysis Time..: 16:33				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AL
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AA
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AM
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AN
		Dilution Factor: 1				
		Analysis Time..: 16:33				

MB Lot-Sample #: D8F260000-313 **Prep Batch #...:** 8178313

Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/30-07/01/08	KQMJA1AC
		Dilution Factor: 1				
		Analysis Time..: 17:55				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/30-07/01/08	KQMJA1CH
		Dilution Factor: 1				
		Analysis Time..: 17:55				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/30-07/01/08	KQMJA1AP
		Dilution Factor: 1				
		Analysis Time..: 17:55				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F230000-120 **Prep Batch #...:** 8175120						
Antimony	ND	200	ug/kg	SW846 6020	06/24/08	KQEK01AA
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Arsenic	ND	600	ug/kg	SW846 6020	06/24/08	KQEK01AC
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Beryllium	ND	100	ug/kg	SW846 6020	06/24/08	KQEK01AE
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Cadmium	ND	100	ug/kg	SW846 6020	06/24/08	KQEK01AF
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Chromium	**430**	**200**	**ug/kg**	**SW846 6020**	**06/24/08**	**KQEK01AG**
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Copper	**130 B**	**250**	**ug/kg**	**SW846 6020**	**06/24/08**	**KQEK01AJ**
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Lead	ND	150	ug/kg	SW846 6020	06/24/08	KQEK01AK
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Molybdenum	ND	200	ug/kg	SW846 6020	06/24/08	KQEK01AM
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Nickel	ND	150	ug/kg	SW846 6020	06/24/08	KQEK01AN
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Selenium	ND	500	ug/kg	SW846 6020	06/24/08	KQEK01AP
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Silver	ND	100	ug/kg	SW846 6020	06/24/08	KQEK01AQ
		Dilution Factor: 1				
		Analysis Time..: 19:33				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	100	ug/kg	SW846 6020	06/24/08	KQEK01AR
		Dilution Factor: 1				
		Analysis Time..: 19:33				
Zinc	**1300**	**1000**	**ug/kg**	**SW846 6020**	**06/24/08**	**KQEK01AU**
		Dilution Factor: 1				
		Analysis Time..: 19:33				

MB Lot-Sample #: D8F230000-396 **Prep Batch #...:** 8175396

Mercury	ND	17	ug/kg	SW846 7471A	06/24/08	KQFD81AA
		Dilution Factor: 1				
		Analysis Time..: 17:03				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F200000-232 **Prep Batch #...:** 8172232						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/23/08	KQAJH1AA
		Dilution Factor: 1				
		Analysis Time..: 18:59				
MB Lot-Sample #: D8F240000-472 **Prep Batch #...:** 8176472						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AD
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AK
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AL
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AM
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Chromium	ND	3.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AN
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AP
		Dilution Factor: 1				
		Analysis Time..: 18:14				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AH
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AA
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AC
		Dilution Factor: 1				
		Analysis Time..: 00:40				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F190366

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AE
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AJ
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AF
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AG
		Dilution Factor: 1				
		Analysis Time..: 00:40				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F200000-216 **Prep Batch #...:** 8172216					
Mercury	96	(90 - 110)	MCAWW 245.1	06/23/08	KQAGG1AC
		Dilution Factor: 1	Analysis Time..: 18:33		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465					
Silver	96	(90 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
		Dilution Factor: 1	Analysis Time..: 16:37		
Arsenic	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
		Dilution Factor: 1	Analysis Time..: 16:37		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
		Dilution Factor: 1	Analysis Time..: 16:37		
Cadmium	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
		Dilution Factor: 1	Analysis Time..: 16:37		
Chromium	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
		Dilution Factor: 1	Analysis Time..: 16:37		
Copper	97	(90 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
		Dilution Factor: 1	Analysis Time..: 16:37		
Molybdenum	94	(89 - 112)	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
		Dilution Factor: 1	Analysis Time..: 16:37		
Nickel	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
		Dilution Factor: 1	Analysis Time..: 16:37		
Antimony	95	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
		Dilution Factor: 1	Analysis Time..: 16:37		
Selenium	96	(85 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
		Dilution Factor: 1	Analysis Time..: 16:37		
Thallium	94	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
		Dilution Factor: 1	Analysis Time..: 16:37		
Zinc	100	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
		Dilution Factor: 1	Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A5
		Dilution Factor: 1	Analysis Time..: 16:37		

LCS Lot-Sample#: D8F260000-313 **Prep Batch #...:** 8178313

Arsenic	101	(89 - 111)	MCAWW 200.8	06/30-07/01/08	KQMJA1AX
		Dilution Factor: 1	Analysis Time..: 17:59		
Silver	102	(90 - 114)	MCAWW 200.8	06/30-07/01/08	KQMJA1CA
		Dilution Factor: 1	Analysis Time..: 17:59		
Beryllium	107	(85 - 115)	MCAWW 200.8	06/30-07/01/08	KQMJA1CJ
		Dilution Factor: 1	Analysis Time..: 17:59		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F200000-216 **Prep Batch #...:** 8172216							
Mercury	5.00	4.81	ug/L	96	MCAWW 245.1	06/23/08	KQAGG1AC
			Dilution Factor: 1		Analysis Time..: 18:33		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465							
Silver	40.0	38.3	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
			Dilution Factor: 1		Analysis Time..: 16:37		
Arsenic	40.0	38.6	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
			Dilution Factor: 1		Analysis Time..: 16:37		
Beryllium	40.0	36.5	ug/L	91	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
			Dilution Factor: 1		Analysis Time..: 16:37		
Cadmium	40.0	38.8	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
			Dilution Factor: 1		Analysis Time..: 16:37		
Chromium	40.0	38.0	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
			Dilution Factor: 1		Analysis Time..: 16:37		
Copper	40.0	38.9	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
			Dilution Factor: 1		Analysis Time..: 16:37		
Molybdenum	40.0	37.7	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
			Dilution Factor: 1		Analysis Time..: 16:37		
Nickel	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
			Dilution Factor: 1		Analysis Time..: 16:37		
Antimony	40.0	38.2	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
			Dilution Factor: 1		Analysis Time..: 16:37		
Selenium	40.0	38.6	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
			Dilution Factor: 1		Analysis Time..: 16:37		
Thallium	40.0	37.5	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
			Dilution Factor: 1		Analysis Time..: 16:37		
Zinc	40.0	40.0	ug/L	100	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
			Dilution Factor: 1		Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A5
			Dilution Factor: 1		Analysis Time..: 16:37		
LCS Lot-Sample#: D8F260000-313 **Prep Batch #...:** 8178313							
Arsenic	40.0	40.5	ug/L	101	MCAWW 200.8	06/30-07/01/08	KQMJA1AX
			Dilution Factor: 1		Analysis Time..: 17:59		
Silver	40.0	40.6	ug/L	102	MCAWW 200.8	06/30-07/01/08	KQMJA1CA
			Dilution Factor: 1		Analysis Time..: 17:59		
Beryllium	40.0	43.0	ug/L	107	MCAWW 200.8	06/30-07/01/08	KQMJA1CJ
			Dilution Factor: 1		Analysis Time..: 17:59		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F230000-120 **Prep Batch #...:** 8175120					
Antimony	92	(82 - 110)	SW846 6020	06/24/08	KQEK01AV
		Dilution Factor: 1	Analysis Time..: 19:37		
Arsenic	93	(83 - 111)	SW846 6020	06/24/08	KQEK01AW
		Dilution Factor: 1	Analysis Time..: 19:37		
Beryllium	91	(70 - 136)	SW846 6020	06/24/08	KQEK01A0
		Dilution Factor: 1	Analysis Time..: 19:37		
Cadmium	94	(85 - 109)	SW846 6020	06/24/08	KQEK01A1
		Dilution Factor: 1	Analysis Time..: 19:37		
Chromium	99	(87 - 121)	SW846 6020	06/24/08	KQEK01A2
		Dilution Factor: 1	Analysis Time..: 19:37		
Copper	94	(87 - 125)	SW846 6020	06/24/08	KQEK01A4
		Dilution Factor: 1	Analysis Time..: 19:37		
Lead	86	(81 - 125)	SW846 6020	06/24/08	KQEK01A5
		Dilution Factor: 1	Analysis Time..: 19:37		
Molybdenum	93	(80 - 120)	SW846 6020	06/24/08	KQEK01A7
		Dilution Factor: 1	Analysis Time..: 19:37		
Nickel	91	(90 - 113)	SW846 6020	06/24/08	KQEK01A8
		Dilution Factor: 1	Analysis Time..: 19:37		
Selenium	92	(78 - 108)	SW846 6020	06/24/08	KQEK01A9
		Dilution Factor: 1	Analysis Time..: 19:37		
Silver	87	(83 - 113)	SW846 6020	06/24/08	KQEK01CA
		Dilution Factor: 1	Analysis Time..: 19:37		
Thallium	87	(84 - 124)	SW846 6020	06/24/08	KQEK01CC
		Dilution Factor: 1	Analysis Time..: 19:37		
Zinc	97	(85 - 119)	SW846 6020	06/24/08	KQEK01CE
		Dilution Factor: 1	Analysis Time..: 19:37		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F230000-396 **Prep Batch #...:** 8175396					
Mercury	99	(87 - 111)	SW846 7471A	06/24/08	KQFD81AC

Dilution Factor: 1 Analysis Time..: 17:06

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

LCS Lot-Sample#: D8F230000-120 **Prep Batch #...:** 8175120

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	20000	18500	ug/kg	92	SW846 6020	06/24/08	KQEK01AV
			Dilution Factor: 1		Analysis Time..: 19:37		
Arsenic	20000	18600	ug/kg	93	SW846 6020	06/24/08	KQEK01AW
			Dilution Factor: 1		Analysis Time..: 19:37		
Beryllium	20000	18100	ug/kg	91	SW846 6020	06/24/08	KQEK01A0
			Dilution Factor: 1		Analysis Time..: 19:37		
Cadmium	20000	18800	ug/kg	94	SW846 6020	06/24/08	KQEK01A1
			Dilution Factor: 1		Analysis Time..: 19:37		
Chromium	20000	19800	ug/kg	99	SW846 6020	06/24/08	KQEK01A2
			Dilution Factor: 1		Analysis Time..: 19:37		
Copper	20000	18700	ug/kg	94	SW846 6020	06/24/08	KQEK01A4
			Dilution Factor: 1		Analysis Time..: 19:37		
Lead	20000	17300	ug/kg	86	SW846 6020	06/24/08	KQEK01A5
			Dilution Factor: 1		Analysis Time..: 19:37		
Molybdenum	20000	18600	ug/kg	93	SW846 6020	06/24/08	KQEK01A7
			Dilution Factor: 1		Analysis Time..: 19:37		
Nickel	20000	18300	ug/kg	91	SW846 6020	06/24/08	KQEK01A8
			Dilution Factor: 1		Analysis Time..: 19:37		
Selenium	20000	18500	ug/kg	92	SW846 6020	06/24/08	KQEK01A9
			Dilution Factor: 1		Analysis Time..: 19:37		
Silver	20000	17400	ug/kg	87	SW846 6020	06/24/08	KQEK01CA
			Dilution Factor: 1		Analysis Time..: 19:37		
Thallium	20000	17400	ug/kg	87	SW846 6020	06/24/08	KQEK01CC
			Dilution Factor: 1		Analysis Time..: 19:37		
Zinc	20000	19400	ug/kg	97	SW846 6020	06/24/08	KQEK01CE
			Dilution Factor: 1		Analysis Time..: 19:37		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F230000-396 **Prep Batch #...:** 8175396							
Mercury	417	412	ug/kg	99	SW846 7471A	06/24/08	KQFD81AC

Dilution Factor: 1 Analysis Time..: 17:06

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F200000-232 **Prep Batch #...:** 8172232					
Mercury	100	(90 - 110)	MCAWW 245.1	06/23/08	KQAJH1AC
		Dilution Factor: 1	Analysis Time..: 19:01		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472					
Molybdenum	96	(89 - 112)	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
		Dilution Factor: 1	Analysis Time..: 00:44		
Nickel	87	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
		Dilution Factor: 1	Analysis Time..: 00:44		
Antimony	93	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
		Dilution Factor: 1	Analysis Time..: 00:44		
Selenium	102	(85 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
		Dilution Factor: 1	Analysis Time..: 00:44		
Thallium	93	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
		Dilution Factor: 1	Analysis Time..: 00:44		
Zinc	99	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
		Dilution Factor: 1	Analysis Time..: 00:44		
Lead	93	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
		Dilution Factor: 1	Analysis Time..: 00:44		
Silver	93	(90 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
		Dilution Factor: 1	Analysis Time..: 00:44		
Arsenic	90	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
		Dilution Factor: 1	Analysis Time..: 00:44		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
		Dilution Factor: 1	Analysis Time..: 00:44		
Cadmium	96	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
		Dilution Factor: 1	Analysis Time..: 00:44		
Chromium	88	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
		Dilution Factor: 1	Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	93	(90 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F200000-232 **Prep Batch #...:** 8172232							
Mercury	5.00	5.01	ug/L	100	MCAWW 245.1	06/23/08	KQAJH1AC
			Dilution Factor: 1		Analysis Time..: 19:01		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472							
Molybdenum	40.0	38.5	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
			Dilution Factor: 1		Analysis Time..: 00:44		
Nickel	40.0	34.8	ug/L	87	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
			Dilution Factor: 1		Analysis Time..: 00:44		
Antimony	40.0	37.4	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
			Dilution Factor: 1		Analysis Time..: 00:44		
Selenium	40.0	40.9	ug/L	102	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
			Dilution Factor: 1		Analysis Time..: 00:44		
Thallium	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
			Dilution Factor: 1		Analysis Time..: 00:44		
Zinc	40.0	39.7	ug/L	99	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
			Dilution Factor: 1		Analysis Time..: 00:44		
Lead	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
			Dilution Factor: 1		Analysis Time..: 00:44		
Silver	40.0	37.2	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
			Dilution Factor: 1		Analysis Time..: 00:44		
Arsenic	40.0	36.0	ug/L	90	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
			Dilution Factor: 1		Analysis Time..: 00:44		
Beryllium	40.0	36.4	ug/L	91	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
			Dilution Factor: 1		Analysis Time..: 00:44		
Cadmium	40.0	38.2	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
			Dilution Factor: 1		Analysis Time..: 00:44		
Chromium	40.0	35.3	ug/L	88	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
			Dilution Factor: 1		Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:04 **Date Received..:** 06/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180336-001 **Prep Batch #...:** 8172216							
Mercury	94	(90 - 110)			MCAWW 245.1	06/23/08	KP61F1AH
	93	(90 - 110)	1.1	(0-10)	MCAWW 245.1	06/23/08	KP61F1AJ

Dilution Factor: 1
Analysis Time..: 18:49

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:04 **Date Received..:** 06/18/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180336-001 **Prep Batch #...:** 8172216									
Mercury									
	ND	5.00	4.72	ug/L	94		MCAWW 245.1	06/23/08	KP61F1AH
	ND	5.00	4.67	ug/L	93	1.1	MCAWW 245.1	06/23/08	KP61F1AJ
			Dilution Factor: 1						
			Analysis Time..: 18:49						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 07:39 **Date Received..:** 06/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180352-001 **Prep Batch #...:** 8172216							
Mercury	NC,MSB	(90 - 110)			MCAWW 245.1	06/23/08	KP6371AP
	NC,MSB	(90 - 110)		(0-10)	MCAWW 245.1	06/23/08	KP6371AQ
		Dilution Factor: 1000					
		Analysis Time..: 18:38					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 07:39 **Date Received..:** 06/18/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180352-001 **Prep Batch #...:** 8172216									
Mercury									
	1800	5.00	1840	ug/L			MCAWW 245.1	06/23/08	KP6371AP
			Qualifiers: NC,MSB						
	1800	5.00	1770	ug/L			MCAWW 245.1	06/23/08	KP6371AQ
			Qualifiers: NC,MSB						
			Dilution Factor: 1000						
			Analysis Time..: 18:38						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/19/08 13:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210184-008 **Prep Batch #...:** 8175120							
Antimony	74 N	(82 - 110)			SW846 6020	06/24/08	KQEA51C3
	76 N	(82 - 110)	3.2	(0-20)	SW846 6020	06/24/08	KQEA51C4
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Arsenic	114 N	(83 - 111)			SW846 6020	06/24/08	KQEA51C5
	124 N	(83 - 111)	7.1	(0-20)	SW846 6020	06/24/08	KQEA51C6
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Beryllium	101	(70 - 136)			SW846 6020	06/24/08	KQEA51C9
	101	(70 - 136)	0.64	(0-20)	SW846 6020	06/24/08	KQEA51DA
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Cadmium	96	(85 - 109)			SW846 6020	06/24/08	KQEA51DC
	97	(85 - 109)	1.3	(0-20)	SW846 6020	06/24/08	KQEA51DD
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Chromium	127 N	(87 - 121)			SW846 6020	06/24/08	KQEA51DE
	138 N	(87 - 121)	6.6	(0-20)	SW846 6020	06/24/08	KQEA51DF
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Copper	NC,MSB	(87 - 125)			SW846 6020	06/24/08	KQEA51DJ
	NC,MSB	(87 - 125)		(0-20)	SW846 6020	06/24/08	KQEA51DK
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Lead	92	(81 - 125)			SW846 6020	06/24/08	KQEA51DL
	96	(81 - 125)	3.3	(0-20)	SW846 6020	06/24/08	KQEA51DM
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Molybdenum	92	(80 - 120)			SW846 6020	06/24/08	KQEA51DQ
	95	(80 - 120)	3.0	(0-20)	SW846 6020	06/24/08	KQEA51DR
		Dilution Factor: 1					
		Analysis Time..: 19:52					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/19/08 13:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	90	(90 - 113)			SW846 6020	06/24/08	KQEA51DT
	98	(90 - 113)	7.3	(0-20)	SW846 6020	06/24/08	KQEA51DU
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Selenium	111 N	(78 - 108)			SW846 6020	06/24/08	KQEA51DV
	120 N	(78 - 108)	7.2	(0-20)	SW846 6020	06/24/08	KQEA51DW
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Silver	72 N	(83 - 113)			SW846 6020	06/24/08	KQEA51DX
	68 N	(83 - 113)	4.9	(0-20)	SW846 6020	06/24/08	KQEA51D0
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Thallium	93	(84 - 124)			SW846 6020	06/24/08	KQEA51D1
	92	(84 - 124)	0.50	(0-20)	SW846 6020	06/24/08	KQEA51D2
		Dilution Factor: 1					
		Analysis Time..: 19:52					
Zinc	NC,MSB	(85 - 119)			SW846 6020	06/24/08	KQEA51D5
	NC,MSB	(85 - 119)		(0-20)	SW846 6020	06/24/08	KQEA51D6
		Dilution Factor: 1					
		Analysis Time..: 19:52					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/19/08 13:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210184-008 **Prep Batch #...:** 8175120									
Antimony									
	3100	82900	64200 N	ug/kg	74		SW846 6020	06/24/08	KQEA51C3
	3100	82900	66300 N	ug/kg	76	3.2	SW846 6020	06/24/08	KQEA51C4
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Arsenic									
	11000	82900	105000	ug/kg	114		SW846 6020	06/24/08	KQEA51C5
			Qualifiers: N						
	11000	82900	113000	ug/kg	124	7.1	SW846 6020	06/24/08	KQEA51C6
			Qualifiers: N						
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Beryllium									
	150	82900	83700	ug/kg	101		SW846 6020	06/24/08	KQEA51C9
	150	82900	84200	ug/kg	101	0.64	SW846 6020	06/24/08	KQEA51DA
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Cadmium									
	1000	82900	80300	ug/kg	96		SW846 6020	06/24/08	KQEA51DC
	1000	82900	81300	ug/kg	97	1.3	SW846 6020	06/24/08	KQEA51DD
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Chromium									
	27000	82900	132000	ug/kg	127		SW846 6020	06/24/08	KQEA51DE
			Qualifiers: N						
	27000	82900	141000	ug/kg	138	6.6	SW846 6020	06/24/08	KQEA51DF
			Qualifiers: N						
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Copper									
	770000	82900	849000	ug/kg			SW846 6020	06/24/08	KQEA51DJ
			Qualifiers: NC,MSB						
	770000	82900	865000	ug/kg			SW846 6020	06/24/08	KQEA51DK
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:52						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/19/08 13:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	16000	82900	92400	ug/kg	92		SW846 6020	06/24/08	KQEA51DL
	16000	82900	95500	ug/kg	96	3.3	SW846 6020	06/24/08	KQEA51DM
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Molybdenum									
	12000	82900	88800	ug/kg	92		SW846 6020	06/24/08	KQEA51DQ
	12000	82900	91500	ug/kg	95	3.0	SW846 6020	06/24/08	KQEA51DR
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Nickel									
	14000	82900	88700	ug/kg	90		SW846 6020	06/24/08	KQEA51DT
	14000	82900	95400	ug/kg	98	7.3	SW846 6020	06/24/08	KQEA51DU
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Selenium									
	8700	82900	101000	ug/kg	111		SW846 6020	06/24/08	KQEA51DV
			Qualifiers: N						
	8700	82900	108000	ug/kg	120	7.2	SW846 6020	06/24/08	KQEA51DW
			Qualifiers: N						
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Silver									
	9400	82900	68800 N	ug/kg	72		SW846 6020	06/24/08	KQEA51DX
	9400	82900	65400 N	ug/kg	68	4.9	SW846 6020	06/24/08	KQEA51D0
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Thallium									
	51	82900	76800	ug/kg	93		SW846 6020	06/24/08	KQEA51D1
	51	82900	76400	ug/kg	92	0.50	SW846 6020	06/24/08	KQEA51D2
			Dilution Factor: 1						
			Analysis Time..: 19:52						
Zinc									
	1600000	82900	1620000	ug/kg			SW846 6020	06/24/08	KQEA51D5
			Qualifiers: NC,MSB						
	1600000	82900	1730000	ug/kg			SW846 6020	06/24/08	KQEA51D6
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:52						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/19/08 13:00 **Date Received..:** 06/21/08

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/17/08 09:03 **Date Received..:** 06/18/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180299-011 **Prep Batch #...:** 8175396							
Mercury	74 N	(87 - 111)			SW846 7471A	06/24/08	KP6PF1DG
	75 N	(87 - 111)	0.69	(0-20)	SW846 7471A	06/24/08	KP6PF1DH

Dilution Factor: 1
Analysis Time..: 17:10

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/17/08 09:03 **Date Received..:** 06/18/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F180299-011 **Prep Batch #...:** 8175396									
Mercury									
	180	417	487 N	ug/kg	74		SW846 7471A	06/24/08	KP6PF1DG
	180	417	491 N	ug/kg	75	0.69	SW846 7471A	06/24/08	KP6PF1DH

Dilution Factor: 1
Analysis Time..: 17:10

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 EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465							
Antimony	96	(80 - 117)			MCAWW 200.8	06/25-06/27/08	KQC841CT
	98	(80 - 117)	1.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CU
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Arsenic	101	(79 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CC
	98	(79 - 120)	3.1	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CD
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Beryllium	89	(76 - 126)			MCAWW 200.8	06/25-06/27/08	KQC841CE
	85	(76 - 126)	4.0	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CF
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Cadmium	97	(82 - 115)			MCAWW 200.8	06/25-06/27/08	KQC841CG
	100	(82 - 115)	2.6	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CH
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Chromium	92	(80 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CJ
	92	(80 - 124)	0.83	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CK
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/27/08	KQC841CL
	99	(82 - 114)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CM
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Lead	92	(79 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841C3
	92	(79 - 119)	0.50	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C4
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Molybdenum	99	(87 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CN
	100	(87 - 120)	1.3	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CP
		Dilution Factor: 1					
		Analysis Time..: 17:23					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	92	(76 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841CQ
	90	(76 - 119)	2.7	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CR
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Selenium	82	(64 - 134)			MCAWW 200.8	06/25-06/27/08	KQC841CV
	83	(64 - 134)	0.97	(0-35)	MCAWW 200.8	06/25-06/27/08	KQC841CW
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Silver	95	(20 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841A9
	97	(20 - 120)	2.5	(0-40)	MCAWW 200.8	06/25-06/27/08	KQC841CA
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Thallium	91	(77 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CX
	92	(77 - 124)	1.9	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C0
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Zinc	96	(72 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841C1
	110	(72 - 120)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C2
		Dilution Factor: 1					
		Analysis Time..: 17:23					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	0.56	40.0	39.1	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841CT
	0.56	40.0	39.7	ug/L	98	1.4	MCAWW 200.8	06/25-06/27/08	KQC841CU
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Arsenic									
	2.2	40.0	42.7	ug/L	101		MCAWW 200.8	06/25-06/27/08	KQC841CC
	2.2	40.0	41.4	ug/L	98	3.1	MCAWW 200.8	06/25-06/27/08	KQC841CD
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Beryllium									
	ND	40.0	35.5	ug/L	89		MCAWW 200.8	06/25-06/27/08	KQC841CE
	ND	40.0	34.1	ug/L	85	4.0	MCAWW 200.8	06/25-06/27/08	KQC841CF
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Cadmium									
	0.26	40.0	39.2	ug/L	97		MCAWW 200.8	06/25-06/27/08	KQC841CG
	0.26	40.0	40.2	ug/L	100	2.6	MCAWW 200.8	06/25-06/27/08	KQC841CH
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Chromium									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CJ
	2.4	40.0	39.0	ug/L	92	0.83	MCAWW 200.8	06/25-06/27/08	KQC841CK
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Copper									
	35	40.0	72.0	ug/L	93		MCAWW 200.8	06/25-06/27/08	KQC841CL
	35	40.0	74.5	ug/L	99	3.4	MCAWW 200.8	06/25-06/27/08	KQC841CM
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Lead									
	2.4	40.0	39.1	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841C3
	2.4	40.0	39.3	ug/L	92	0.50	MCAWW 200.8	06/25-06/27/08	KQC841C4
			Dilution Factor: 1						
			Analysis Time..: 17:23						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	44.1	ug/L	99		MCAWW 200.8	06/25-06/27/08	KQC841CN
	4.6	40.0	44.7	ug/L	100	1.3	MCAWW 200.8	06/25-06/27/08	KQC841CP
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Nickel									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CQ
	2.4	40.0	38.3	ug/L	90	2.7	MCAWW 200.8	06/25-06/27/08	KQC841CR
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Selenium									
	1.2	40.0	34.1	ug/L	82		MCAWW 200.8	06/25-06/27/08	KQC841CV
	1.2	40.0	34.4	ug/L	83	0.97	MCAWW 200.8	06/25-06/27/08	KQC841CW
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Silver									
	1.4	40.0	39.3	ug/L	95		MCAWW 200.8	06/25-06/27/08	KQC841A9
	1.4	40.0	40.3	ug/L	97	2.5	MCAWW 200.8	06/25-06/27/08	KQC841CA
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Thallium									
	ND	40.0	36.2	ug/L	91		MCAWW 200.8	06/25-06/27/08	KQC841CX
	ND	40.0	36.9	ug/L	92	1.9	MCAWW 200.8	06/25-06/27/08	KQC841C0
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Zinc									
	120	40.0	157	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841C1
	120	40.0	163	ug/L	110	3.4	MCAWW 200.8	06/25-06/27/08	KQC841C2
			Dilution Factor: 1						
			Analysis Time..: 17:23						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 02/20/08 07:54 **Date Received..:** 06/25/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F250203-001 **Prep Batch #...:** 8178313							
Arsenic	105	(79 - 120)			MCAWW 200.8	06/30-07/01/08	KQJQX1CG
	104	(79 - 120)	0.96	(0-30)	MCAWW 200.8	06/30-07/01/08	KQJQX1CH
		Dilution Factor: 1					
		Analysis Time..: 18:07					
Beryllium	106	(76 - 126)			MCAWW 200.8	06/30-07/01/08	KQJQX1DM
	100	(76 - 126)	5.3	(0-30)	MCAWW 200.8	06/30-07/01/08	KQJQX1DN
		Dilution Factor: 1					
		Analysis Time..: 18:07					
Silver	95	(20 - 120)			MCAWW 200.8	06/30-07/01/08	KQJQX1C7
	94	(20 - 120)	0.88	(0-40)	MCAWW 200.8	06/30-07/01/08	KQJQX1C8
		Dilution Factor: 1					
		Analysis Time..: 18:07					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 02/20/08 07:54 **Date Received..:** 06/25/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F250203-001 **Prep Batch #...:** 8178313									
Arsenic									
	1.1	40.0	43.0	ug/L	105		MCAWW 200.8	06/30-07/01/08	KQJQX1CG
	1.1	40.0	42.6	ug/L	104	0.96	MCAWW 200.8	06/30-07/01/08	KQJQX1CH
			Dilution Factor: 1						
			Analysis Time..: 18:07						
Beryllium									
	ND	40.0	42.4	ug/L	106		MCAWW 200.8	06/30-07/01/08	KQJQX1DM
	ND	40.0	40.2	ug/L	100	5.3	MCAWW 200.8	06/30-07/01/08	KQJQX1DN
			Dilution Factor: 1						
			Analysis Time..: 18:07						
Silver									
	ND	40.0	37.9	ug/L	95		MCAWW 200.8	06/30-07/01/08	KQJQX1C7
	ND	40.0	37.5	ug/L	94	0.88	MCAWW 200.8	06/30-07/01/08	KQJQX1C8
			Dilution Factor: 1						
			Analysis Time..: 18:07						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F190366-015 **Prep Batch #...:** 8172232							
Mercury	103	(90 - 110)			MCAWW 245.1	06/23/08	KP9PT1A6
	102	(90 - 110)	0.76	(0-10)	MCAWW 245.1	06/23/08	KP9PT1A7

Dilution Factor: 1
Analysis Time..: 19:06

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F190366-015 **Prep Batch #...:** 8172232									
Mercury									
	ND	5.00	5.14	ug/L	103		MCAWW 245.1	06/23/08	KP9PT1A6
	ND	5.00	5.10	ug/L	102	0.76	MCAWW 245.1	06/23/08	KP9PT1A7

Dilution Factor: 1
Analysis Time..: 19:06

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472							
Antimony	101	(80 - 117)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	97	(80 - 117)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Arsenic	103	(79 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	103	(79 - 120)	0.05	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Beryllium	101	(76 - 126)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	96	(76 - 126)	5.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Cadmium	106	(82 - 115)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	102	(82 - 115)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Chromium	98	(80 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	91	(80 - 124)	6.4	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	103	(82 - 114)	7.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
		Dilution Factor: 1					
		Analysis Time..: 19:49					
Lead	102	(79 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	97	(79 - 119)	5.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Molybdenum	107	(87 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1A9
	103	(87 - 120)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
		Dilution Factor: 1					
		Analysis Time..: 01:14					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	94	(76 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	92	(76 - 119)	2.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Selenium	93	(64 - 134)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	81	(64 - 134)	13	(0-35)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Silver	101	(20 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	96	(20 - 120)	5.3	(0-40)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Thallium	101	(77 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	98	(77 - 124)	2.9	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Zinc	101	(72 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	96	(72 - 120)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
		Dilution Factor: 1					
		Analysis Time..: 01:14					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472									
Antimony									
	0.30	40.0	40.6	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	0.30	40.0	38.9	ug/L	97	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Arsenic									
	ND	40.0	41.7	ug/L	103		MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	ND	40.0	41.7	ug/L	103	0.05	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Beryllium									
	ND	40.0	40.5	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	ND	40.0	38.3	ug/L	96	5.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Cadmium									
	0.21	40.0	42.7	ug/L	106		MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	0.21	40.0	41.2	ug/L	102	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Chromium									
	1.3	40.0	40.3	ug/L	98		MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	1.3	40.0	37.8	ug/L	91	6.4	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Copper									
	13	40.0	50.7	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	13	40.0	54.7	ug/L	103	7.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
			Dilution Factor: 1						
			Analysis Time..: 19:49						
Lead									
	0.54	40.0	41.5	ug/L	102		MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	0.54	40.0	39.4	ug/L	97	5.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
			Dilution Factor: 1						
			Analysis Time..: 01:14						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	47.6	ug/L	107		MCAWW 200.8	06/25-06/26/08	KQDLQ1A9
	4.6	40.0	46.0	ug/L	103	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Nickel									
	2.0	40.0	39.6	ug/L	94		MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	2.0	40.0	38.8	ug/L	92	2.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Selenium									
	ND	40.0	38.0	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	ND	40.0	33.2	ug/L	81	13	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Silver									
	0.71	40.0	41.2	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	0.71	40.0	39.0	ug/L	96	5.3	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Thallium									
	ND	40.0	40.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	ND	40.0	39.3	ug/L	98	2.9	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Zinc									
	9.0	40.0	49.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	9.0	40.0	47.4	ug/L	96	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
			Dilution Factor: 1						
			Analysis Time..: 01:14						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		Work Order #: KQEC41AA		MB Lot-Sample #:	D8F210000-080	
	ND	5.0	mg/L	CFR136A 1664A HEM	06/21/08	8173080
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Cyanide		Work Order #: KQX711AA		MB Lot-Sample #:	D8G010000-600	
	ND	0.010	mg/L	SM18 4500-CN E	06/30/08	8183600
		Dilution Factor: 1				
		Analysis Time..: 14:00				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KQ3751AA		MB Lot-Sample #:	D8G030000-426	
	ND	0.50	mg/kg	SW846 9010B/9012A	07/01-07/02/08	8185426
		Dilution Factor: 1				
		Analysis Time..: 15:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8F190366 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		WO#:KQEC41AC-LCS/KQEC41AD-LCSD				LCS Lot-Sample#: D8F210000-080	
	94	(82 - 103)			CFR136A 1664A HEM	06/21/08	8173080
	91	(82 - 103)	2.4	(0-22)	CFR136A 1664A HEM	06/21/08	8173080
		Dilution Factor: 1			Analysis Time..: 12:00		
Total Cyanide		WO#:KQX711AC-LCS/KQX711AD-LCSD				LCS Lot-Sample#: D8G010000-600	
	102	(90 - 110)			SM18 4500-CN E	06/30/08	8183600
	102	(90 - 110)	0.78	(0-10)	SM18 4500-CN E	06/30/08	8183600
		Dilution Factor: 1			Analysis Time..: 14:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8F190366 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		WO#:KQEC41AC-LCS/KQEC41AD-LCSD				LCS Lot-Sample#: D8F210000-080		
	40.0	37.4	mg/L	94		CFR136A 1664A HEM	06/21/08	8173080
	40.0	36.5	mg/L	91	2.4	CFR136A 1664A HEM	06/21/08	8173080
		Dilution Factor: 1				Analysis Time..: 12:00		
Total Cyanide		WO#:KQX711AC-LCS/KQX711AD-LCSD				LCS Lot-Sample#: D8G010000-600		
	0.100	0.102	mg/L	102		SM18 4500-CN E	06/30/08	8183600
	0.100	0.102	mg/L	102	0.78	SM18 4500-CN E	06/30/08	8183600
		Dilution Factor: 1				Analysis Time..: 14:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KQ3751AC-LCS/KQ3751AD-LCSD				LCS Lot-Sample#: D8G030000-426	
	104	(90 - 110)			SW846 9010B/9012A	07/01-07/02/08	8185426
	106	(90 - 110)	1.9	(0-10)	SW846 9010B/9012A	07/01-07/02/08	8185426

Dilution Factor: 1 Analysis Time..: 15:00

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8F190366 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#:KQ3751AC-LCS/KQ3751AD-LCSD			LCS Lot-Sample#: D8G030000-426		
	5.00	5.18	mg/kg	104		SW846 9010B/9012A	07/01-07/02/08	8185426
	5.00	5.28	mg/kg	106	1.9	SW846 9010B/9012A	07/01-07/02/08	8185426

Dilution Factor: 1 Analysis Time..: 15:00

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/23/08 09:06 **Date Received..:** 06/23/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:	KQFL61AD-MS/KQFL61AE-MSD			MS Lot-Sample #:	D8F230179-001
	104	(90 - 110)			SM18 4500-CN E	06/30/08	8183598
	99	(90 - 110)	4.2	(0-10)	SM18 4500-CN E	06/30/08	8183598

Dilution Factor: 1
Analysis Time..: 14:00

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** WATER
Date Sampled...: 06/23/08 09:06 **Date Received..:** 06/23/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KQFL61AD-MS/KQFL61AE-MSD				MS Lot-Sample #: D8F230179-001		
	ND	0.100	0.106	mg/L	104		SM18 4500-CN	06/30/08	8183598
	ND	0.100	0.101	mg/L	99	4.2	SM18 4500-CN	06/30/08	8183598
			Dilution Factor: 1						
			Analysis Time..: 14:00						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/18/08 08:52 **Date Received..:** 06/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#: KP9JD1DT-MS/KP9JD1DU-MSD				MS Lot-Sample #: D8F190352-013	
	99	(90 - 110)			SW846 9010B/9012A	07/01-07/02/08	8185426
	98	(90 - 110)	0.46	(0-10)	SW846 9010B/9012A	07/01-07/02/08	8185426
		Dilution Factor: 1					
		Analysis Time..: 15:00					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8F190366 **Matrix.....:** SOLID
Date Sampled...: 06/18/08 08:52 **Date Received..:** 06/19/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KP9JD1DT-MS/KP9JD1DU-MSD				MS Lot-Sample #: D8F190352-013		
	ND	5.00	4.99	mg/kg	99		SW846 9010B/9	07/01-07/02/08	8185426
	ND	5.00	4.97	mg/kg	98	0.46	SW846 9010B/9	07/01-07/02/08	8185426
			Dilution Factor: 1						
			Analysis Time..: 15:00						

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Work Order #...:** KP9PW-SMP KP9PW-DUP **Matrix.....:** SOLID

Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

% Moisture.....: 70

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	D8F190366-017	
	30	30	%	0.76	(0-0.0)	SM18 2540B	06/23/08	8175275

Dilution Factor: 1 Analysis Time..: 11:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Work Order #...:** KQD09-SMP KQD09-DUP **Matrix.....:** SOLID

Date Sampled...: 06/18/08 14:02 **Date Received..:** 06/21/08

% Moisture.....: 0.88

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8F210158-001	
	0.88	0.99	%	12	(0-20)	MCAWW 160.3 MOD	06/24/08	8176237

Dilution Factor: 1 Analysis Time..: 13:30

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Work Order #...:** KP84P-SMP KP84P-DUP **Matrix.....:** SOLID

Date Sampled...: 06/11/08 11:48 **Date Received..:** 06/19/08

% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8F190290-004	
	20	19	%	2.1	(0-20)	MCAWW 160.3 MOD	06/25/08	8177176

Dilution Factor: 1 Analysis Time..: 13:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190366 **Work Order #...:** KP9PK-SMP KP9PK-DUP **Matrix.....:** SOLID

Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

% Moisture.....: 70

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8F190366-009	
	70	70	%	0.14	(0-20)	MCAWW 160.3 MOD	06/27/08	8178167

Dilution Factor: 1 Analysis Time..: 09:00

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water	**Preservative:** HCl, 4°C	**Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP001	INF CMP #1	3	6/17/8	0904		
MOA08VOP002	INF CMP #2	3		1203		
MOA08VOP003	INF CMP #3	3		1500		
MOA08VOP004	INF CMP #4	3		1802		
MOA08VOP005	INF CMP #5	3		2100		
MOA08VOP006	INF CMP #6	3	6/17/8	2400		
MOA08VOP007	INF CMP #7	3	6/18/8	0255		
MOA08VOP008	INF CMP #8	3		0555		

SAMPLES LISTED ON THIS COC SHOULD BE COMPOSITED IN AN EIGHT-PART COMPOSITE IN A VAPOR-TYPE SYRINGE PRIOR TO ANALYSIS.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/8 1030	[illegible]	[illegible]	6/18/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1300	Fed Ex	[illegible]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water | **Preservative:** HCl, 4°C Effluent samples contain L- Ascorbic Acid | **Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP009	EFF CMP #1	3	6/17/8	0900		
MOA08VOP010	EFF CMP #2	3		1202		
MOA08VOP011	EFF CMP #3	3		1500		
MOA08VOP012	EFF CMP #4	3		1801		
MOA08VOP013	EFF CMP #5	3		2112		
MOA08VOP014	EFF CMP #6	3	6/18/8	0010		
MOA08VOP015	EFF CMP #7	3		0305		
MOA08VOP016	EFF CMP #8	3		0605		

SAMPLES LISTED ON THIS COC SHOULD BE COMPOSITED IN AN EIGHT-PART COMPOSITE IN A VAPOR-TYPE SYRINGE PRIOR TO ANALYSIS.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

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Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/18/08 1030			6/18/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/18/08 1300	FED EX		6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 Days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water | **Preservative:** HCl, 4° C | Type of Container: 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP017	C-Station	3	6/18/8	0900		
MOA08VOP018	Trip Blank	3	↓	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/8 1030	[signature]	[signature]	6/18/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1300	FEDEX	[signature]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 Days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: ANALYSIS TYPE: EPA 8260. **Report using EPA 624 analyte list.** Detection limits as per method. Please report in dry weight.

MATRIX: Sludge	**Preservative:** None, 4° C	Type of Container: 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP019	Sludge	1	6/18/8	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/8 1030	[illegible]	[illegible]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1320	Fed Ex	[illegible]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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3.2°C
6.19.08
1R2

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 ATTN: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 608 plus Mirex Detection limits 0.05 - 1.0 µg/L

MATRIX: Water | **Preservative:** None, 4°C Effluent samples contain L- Ascorbic Acid | **Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PES001	Influent-1	1	6/17-6/18	0900-0900		
MOA08PES002	Influent-2	1	↓	↓		
MOA08PES003	Effluent	3	↓	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1030	[signature]	[signature]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1300	FED Ex	[signature]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St Arvada, CO 80002 (303) 736-0100 ATTN: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 8081A plus Mirex, and EPA 8141A for Demeton, Guthion, Malathion, and Parathion only. Detection limits 0.01 - 0.06 µg/g (dry weight; Guthion ~5 µg/g). PCBs (EPA 8082). Please report in dry weight.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PES004	Sludge	1	6/18/8	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/8 1030	[illegible]	[illegible]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1300	FED EX	[illegible]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 ATTN: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 614 for Demeton, Guthion, Malathion, and Parathion only. Detection limits 0.05 - 1.0 µg/L (Guthion ~15 µg/L).

MATRIX: Water	**Preservative:** None, 4°C Effluent samples contain L- Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PST001	Influent-1	1	6/17-6/18	0900-0900		
MOA08PST002	Influent-2	1	↓	↓		
MOA08PST003	Effluent	3	↓	↓		

DATA REPORTS MUST INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/8 1630	[signature]	[signature]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1300	FEDEX	[signature]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

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1.9 6-19-00

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 625. Detection limits as per method.

MATRIX: Water | **Preservative:** None, 4°C Effluent samples contain L-Ascorbic Acid | **Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08SVL001	Influent	3	6/17-6/18	0900-0900		
MOA08SVL002	Effluent	3	↓	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1030	[illegible]	[illegible]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1300	FED EX	[illegible]	6/19/08 0400
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 ATTN: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8270C. **Report using EPA 625 analyte list.** Detection limits as per method. Please report in dry weight.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08SVL003	Sludge	1	6/18/8	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

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RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/8 1030	[signature]	[signature]	6/18/08 1030
RELINQUISHED BY:	**DATE AND TIME**	**TRANSPORTED BY:**	**RECEIVED BY:**	**DATE AND TIME**
[signature]	6/18/08 1300	FED EX	[signature]	6/19/08 0900
RELINQUISHED BY:	**DATE AND TIME**	**TRANSPORTED BY:**	**RECEIVED BY:**	**DATE AND TIME**

SAMPLED BY (NAME/SIGNATURE): _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01 and 516.02

Lot D8F200327

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 11, 2008

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Table of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	66

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- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Evaluation and/or Data Reports**
- **Chain-of-Custody**

CASE NARRATIVE
D8F200327

The following report contains the analytical results for thirteen samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received June 20, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 2.1°C.

Please note, the collection date listed on the chain of custody for sample MOA08VOA010 (Trip Blank) has a hand written date of 5/5/08. The sample was logged using the date and time of MOA08VOA009. Client was notified of this on June 20, 2008.

No other anomalies were observed.

Volatile Organic Compounds, Method 602

The RPD between the primary and confirmation columns exceeded 40% for Ethylbenzene in samples MOA08VOA004 and MOA08VOA007. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

MS/MSD analyses were performed on sampleMOA08VOA002. The MSD exhibited recoveries outside the control limits for Toluene. The MS was within QC Control limits. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

Total Metals – Method 200.8/245.1

Low levels of Chromium and Molybdenum are present in the method blank associated with QC batch 8176465. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

The CCV were above the upper control limit for Mercury in batch 8176268. Associated sample results are still valid because none of the target compounds were detected above the reporting limit.

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1

The CCV were above the upper control limit for Mercury in batch 8176275. Associated sample results are still valid because none of the target compounds were detected above the reporting limit.

No other anomalies were observed.

General Chemistry – Total Cyanide

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8F200327

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET004 06/19/08 10:00 010				
Silver - DISSOLVED	0.24 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.2 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	6.4	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	1.1 B	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.0	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.21 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.24 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	7.0 B	10	ug/L	MCAWW 200.8
Mercury	0.12 B	0.20	ug/L	MCAWW 245.1
Silver	2.2	1.0	ug/L	MCAWW 200.8
Arsenic	1.8 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.27 B	1.0	ug/L	MCAWW 200.8
Chromium	3.9 J	3.0	ug/L	MCAWW 200.8
Copper	55	2.0	ug/L	MCAWW 200.8
Molybdenum	4.6 J	2.0	ug/L	MCAWW 200.8
Nickel	3.9	2.0	ug/L	MCAWW 200.8
Lead	4.1	1.0	ug/L	MCAWW 200.8
Antimony	0.78 B	2.0	ug/L	MCAWW 200.8
Zinc	160	10	ug/L	MCAWW 200.8
MOA08MET005 06/19/08 10:00 011				
Silver - DISSOLVED	0.63 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	0.55 B	5.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.4 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	12	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	4.9	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.5	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.63 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.34 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	20	10	ug/L	MCAWW 200.8
Mercury	0.068 B	0.20	ug/L	MCAWW 245.1
Silver	1.4	1.0	ug/L	MCAWW 200.8
Arsenic	2.2 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.26 B	1.0	ug/L	MCAWW 200.8
Chromium	2.4 B,J	3.0	ug/L	MCAWW 200.8
Copper	35	2.0	ug/L	MCAWW 200.8
Molybdenum	4.6 J	2.0	ug/L	MCAWW 200.8
Nickel	2.4	2.0	ug/L	MCAWW 200.8
Lead	2.4	1.0	ug/L	MCAWW 200.8
Antimony	0.56 B	2.0	ug/L	MCAWW 200.8
Selenium	1.2 B	5.0	ug/L	MCAWW 200.8
Zinc	120	10	ug/L	MCAWW 200.8

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D8F200327

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08TCN011 06/19/08 10:00 012				
Total Cyanide	0.0025 B	0.010	mg/L	SM18 4500-CN E
MOA08TCN012 06/19/08 10:00 013				
Total Cyanide	0.0064 B	0.010	mg/L	SM18 4500-CN E

METHODS SUMMARY

D8F200327

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Purgeable Aromatics	CFR136A 602	CFR136A 602
Total cyanide	SM18 4500-CN E	SM18 4500-CN E

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

D8F200327

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 602	Brian Ream	000323
MCAWW 200.8	Thomas Lill	006929
MCAWW 200.8	Thomas Lill	6929
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	9582
SM18 4500-CN E	Ewa Kudla	001167

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

D8F200327

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQC8J	001	MOA08VOA001	06/17/08	14:15
KQC8K	002	MOA08VOA002	06/17/08	14:44
KQC8M	003	MOA08VOA003	06/17/08	14:44
KQC8N	004	MOA08VOA004	06/17/08	15:00
KQC8P	005	MOA08VOA005	06/18/08	14:54
KQC8Q	006	MOA08VOA006	06/18/08	15:12
KQC8R	007	MOA08VOA007	06/18/08	15:45
KQC8V	008	MOA08VOA009	06/18/08	14:54
KQC8W	009	MOA08VOA010	06/18/08	14:54
KQC81	010	MOA08MET004	06/19/08	10:00
KQC84	011	MOA08MET005	06/19/08	10:00
KQC85	012	MOA08TCN011	06/19/08	10:00
KQC86	013	MOA08TCN012	06/19/08	10:00

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET004

TOTAL Metals

Lot-Sample #...: D8F200327-010 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176268						
Mercury	**0.12 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/25/08**	**KQC811AQ**
		Dilution Factor: 1		Analysis Time..: 16:03	MDL.....: 0.027	
Prep Batch #...: 8176465						
Silver	**2.2**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AA**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.020	
Arsenic	**1.8 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AC**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQC811AD
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.15	
Cadmium	**0.27 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AE**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.040	
Chromium	**3.9 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AF**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.88	
Copper	**55**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AG**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.20	
Molybdenum	**4.6 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AH**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.040	
Nickel	**3.9**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AJ**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.28	
Lead	**4.1**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AP**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.10	
Antimony	**0.78 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC811AK**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQC811AL
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQC811AM
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET004

TOTAL Metals

Lot-Sample #...: D8F200327-010

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	160	10	ug/L	MCAWW 200.8	06/25-06/27/08	KQC811AN

Dilution Factor: 1 Analysis Time..: 17:15 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET004

DISSOLVED Metals

Lot-Sample #...: D8F200327-010
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQC811A7
		Dilution Factor: 1		Analysis Time..: 16:28	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.24 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811AR**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.020	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811AT
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811AU
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811AV
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.040	
Chromium	**1.2 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811AW**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.88	
Copper	**6.4**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811AX**
		Dilution Factor: 1		Analysis Time..: 20:05	MDL.....: 0.20	
Molybdenum	**1.1 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811A0**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.040	
Nickel	**2.0**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811A1**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.28	
Lead	**0.21 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811A6**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.10	
Antimony	**0.24 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC811A2**
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811A3
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811A4
		Dilution Factor: 1		Analysis Time..: 01:29	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET004

DISSOLVED Metals

Lot-Sample #...: D8F200327-010

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	7.0 B	10	ug/L	MCAWW 200.8	06/25-06/26/08	KQC811A5

Dilution Factor: 1 Analysis Time..: 01:29 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET005

TOTAL Metals

Lot-Sample #...: D8F200327-011
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176268						
Mercury	**0.068 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/25/08**	**KQC841A2**
		Dilution Factor: 1		Analysis Time..: 16:10	MDL.....: 0.027	
Prep Batch #...: 8176465						
Silver	**1.4**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AL**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.020	
Arsenic	**2.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AM**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQC841AN
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.15	
Cadmium	**0.26 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AP**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.040	
Chromium	**2.4 B,J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AQ**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.88	
Copper	**35**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AR**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.20	
Molybdenum	**4.6 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AT**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.040	
Nickel	**2.4**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AU**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.28	
Lead	**2.4**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841A1**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.10	
Antimony	**0.56 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AV**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.060	
Selenium	**1.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQC841AW**
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQC841AX
		Dilution Factor: 1		Analysis Time..: 17:19	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET005

TOTAL Metals

Lot-Sample #...: D8F200327-011

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	120	10	ug/L	MCAWW 200.8	06/25-06/27/08	KQC841A0

Dilution Factor: 1 Analysis Time..: 17:19 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET005

DISSOLVED Metals

Lot-Sample #...: D8F200327-011
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQC841AJ
		Dilution Factor: 1		Analysis Time..: 16:35	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.63 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841A3**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.020	
Arsenic	**0.55 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841A4**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC841A5
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC841A6
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.040	
Chromium	**1.4 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841A7**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.88	
Copper	**12**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841A8**
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.20	
Molybdenum	**4.9**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841AA**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.040	
Nickel	**2.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841AC**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.28	
Lead	**0.63 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841AH**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.10	
Antimony	**0.34 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841AD**
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC841AE
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQC841AF
		Dilution Factor: 1		Analysis Time..: 01:33	MDL.....: 0.029	

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET005

DISSOLVED Metals

Lot-Sample #...: D8F200327-011

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**20**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQC841AG**

Dilution Factor: 1 Analysis Time..: 01:33 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN011

General Chemistry

Lot-Sample #...: D8F200327-012 **Work Order #...:** KQC85 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0025 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**06/30/08**	**8183600**

Dilution Factor: 1 Analysis Time..: 14:00 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN012

General Chemistry

Lot-Sample #...: D8F200327-013 **Work Order #...:** KQC86 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0064 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**06/30/08**	**8183600**

Dilution Factor: 1 Analysis Time..: 14:00 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

D8F200327

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	CFR136A 602		8182204	8182115
002	WATER	CFR136A 602		8182204	8182115
003	WATER	CFR136A 602		8182204	8182115
004	WATER	CFR136A 602		8182204	8182115
005	WATER	CFR136A 602		8182204	8182115
006	WATER	CFR136A 602		8182204	8182115
007	WATER	CFR136A 602		8182204	8182115
008	WATER	CFR136A 602		8182204	8182115
009	WATER	CFR136A 602		8182204	8182115
010	WATER	MCAWW 245.1		8176268	8176181
	WATER	MCAWW 245.1		8176275	8176187
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350
011	WATER	MCAWW 245.1		8176268	8176181
	WATER	MCAWW 245.1		8176275	8176187
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350
012	WATER	SM18 4500-CN E		8183600	8183309
013	WATER	SM18 4500-CN E		8183600	8183309

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F240000-268 **Prep Batch #...:** 8176268						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQGXV1AA
		Dilution Factor: 1				
		Analysis Time..: 15:35				
MB Lot-Sample #: D8F240000-465 **Prep Batch #...:** 8176465						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AK
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AC
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AD
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AE
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Chromium	**1.0 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AF**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AG
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AP
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Molybdenum	**0.043 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AH**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AJ
		Dilution Factor: 1				
		Analysis Time..: 16:33				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AL
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AA
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AM
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AN
		Dilution Factor: 1				
		Analysis Time..: 16:33				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F240000-275 **Prep Batch #...:** 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQG031AA
		Dilution Factor: 1				
		Analysis Time..: 16:17				
MB Lot-Sample #: D8F240000-472 **Prep Batch #...:** 8176472						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AD
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AK
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AL
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AM
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Chromium	ND	3.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AN
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AP
		Dilution Factor: 1				
		Analysis Time..: 18:14				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AH
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AA
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AC
		Dilution Factor: 1				
		Analysis Time..: 00:40				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F200327

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AE
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AJ
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AF
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AG
		Dilution Factor: 1				
		Analysis Time..: 00:40				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-268 **Prep Batch #...:** 8176268					
Mercury	105	(90 - 110)	MCAWW 245.1	06/25/08	KQGXV1AC
		Dilution Factor: 1	Analysis Time..: 15:37		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465					
Silver	96	(90 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
		Dilution Factor: 1	Analysis Time..: 16:37		
Arsenic	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
		Dilution Factor: 1	Analysis Time..: 16:37		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
		Dilution Factor: 1	Analysis Time..: 16:37		
Cadmium	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
		Dilution Factor: 1	Analysis Time..: 16:37		
Chromium	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
		Dilution Factor: 1	Analysis Time..: 16:37		
Copper	97	(90 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
		Dilution Factor: 1	Analysis Time..: 16:37		
Molybdenum	94	(89 - 112)	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
		Dilution Factor: 1	Analysis Time..: 16:37		
Nickel	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
		Dilution Factor: 1	Analysis Time..: 16:37		
Antimony	95	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
		Dilution Factor: 1	Analysis Time..: 16:37		
Selenium	96	(85 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
		Dilution Factor: 1	Analysis Time..: 16:37		
Thallium	94	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
		Dilution Factor: 1	Analysis Time..: 16:37		
Zinc	100	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
		Dilution Factor: 1	Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A5

Dilution Factor: 1 Analysis Time..: 16:37

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-268 **Prep Batch #...:** 8176268							
Mercury	5.00	5.24	ug/L	105	MCAWW 245.1	06/25/08	KQGXV1AC
			Dilution Factor: 1		Analysis Time..: 15:37		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465							
Silver	40.0	38.3	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
			Dilution Factor: 1		Analysis Time..: 16:37		
Arsenic	40.0	38.6	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
			Dilution Factor: 1		Analysis Time..: 16:37		
Beryllium	40.0	36.5	ug/L	91	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
			Dilution Factor: 1		Analysis Time..: 16:37		
Cadmium	40.0	38.8	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
			Dilution Factor: 1		Analysis Time..: 16:37		
Chromium	40.0	38.0	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
			Dilution Factor: 1		Analysis Time..: 16:37		
Copper	40.0	38.9	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
			Dilution Factor: 1		Analysis Time..: 16:37		
Molybdenum	40.0	37.7	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
			Dilution Factor: 1		Analysis Time..: 16:37		
Nickel	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
			Dilution Factor: 1		Analysis Time..: 16:37		
Antimony	40.0	38.2	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
			Dilution Factor: 1		Analysis Time..: 16:37		
Selenium	40.0	38.6	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
			Dilution Factor: 1		Analysis Time..: 16:37		
Thallium	40.0	37.5	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
			Dilution Factor: 1		Analysis Time..: 16:37		
Zinc	40.0	40.0	ug/L	100	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
			Dilution Factor: 1		Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A5

Dilution Factor: 1 Analysis Time..: 16:37

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-275 **Prep Batch #...:** 8176275					
Mercury	105	(90 - 110)	MCAWW 245.1	06/25/08	KQG031AC
		Dilution Factor: 1	Analysis Time..: 16:19		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472					
Molybdenum	96	(89 - 112)	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
		Dilution Factor: 1	Analysis Time..: 00:44		
Nickel	87	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
		Dilution Factor: 1	Analysis Time..: 00:44		
Antimony	93	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
		Dilution Factor: 1	Analysis Time..: 00:44		
Selenium	102	(85 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
		Dilution Factor: 1	Analysis Time..: 00:44		
Thallium	93	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
		Dilution Factor: 1	Analysis Time..: 00:44		
Zinc	99	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
		Dilution Factor: 1	Analysis Time..: 00:44		
Lead	93	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
		Dilution Factor: 1	Analysis Time..: 00:44		
Silver	93	(90 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
		Dilution Factor: 1	Analysis Time..: 00:44		
Arsenic	90	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
		Dilution Factor: 1	Analysis Time..: 00:44		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
		Dilution Factor: 1	Analysis Time..: 00:44		
Cadmium	96	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
		Dilution Factor: 1	Analysis Time..: 00:44		
Chromium	88	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
		Dilution Factor: 1	Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	93	(90 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-275 **Prep Batch #...:** 8176275							
Mercury	5.00	5.27	ug/L	105	MCAWW 245.1	06/25/08	KQG031AC
			Dilution Factor: 1		Analysis Time..: 16:19		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472							
Molybdenum	40.0	38.5	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
			Dilution Factor: 1		Analysis Time..: 00:44		
Nickel	40.0	34.8	ug/L	87	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
			Dilution Factor: 1		Analysis Time..: 00:44		
Antimony	40.0	37.4	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
			Dilution Factor: 1		Analysis Time..: 00:44		
Selenium	40.0	40.9	ug/L	102	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
			Dilution Factor: 1		Analysis Time..: 00:44		
Thallium	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
			Dilution Factor: 1		Analysis Time..: 00:44		
Zinc	40.0	39.7	ug/L	99	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
			Dilution Factor: 1		Analysis Time..: 00:44		
Lead	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
			Dilution Factor: 1		Analysis Time..: 00:44		
Silver	40.0	37.2	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
			Dilution Factor: 1		Analysis Time..: 00:44		
Arsenic	40.0	36.0	ug/L	90	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
			Dilution Factor: 1		Analysis Time..: 00:44		
Beryllium	40.0	36.4	ug/L	91	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
			Dilution Factor: 1		Analysis Time..: 00:44		
Cadmium	40.0	38.2	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
			Dilution Factor: 1		Analysis Time..: 00:44		
Chromium	40.0	35.3	ug/L	88	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
			Dilution Factor: 1		Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F200327

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176268							
Mercury	103	(90 - 110)			MCAWW 245.1	06/25/08	KQC811A9
	98	(90 - 110)	5.7	(0-10)	MCAWW 245.1	06/25/08	KQC811CA

Dilution Factor: 1
Analysis Time..: 16:05

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176268									
Mercury									
	0.12	5.00	5.29	ug/L	103		MCAWW 245.1	06/25/08	KQC811A9
	0.12	5.00	5.00	ug/L	98	5.7	MCAWW 245.1	06/25/08	KQC811CA

Dilution Factor: 1
Analysis Time..: 16:05

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465							
Antimony	96	(80 - 117)			MCAWW 200.8	06/25-06/27/08	KQC841CT
	98	(80 - 117)	1.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CU
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Arsenic	101	(79 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CC
	98	(79 - 120)	3.1	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CD
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Beryllium	89	(76 - 126)			MCAWW 200.8	06/25-06/27/08	KQC841CE
	85	(76 - 126)	4.0	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CF
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Cadmium	97	(82 - 115)			MCAWW 200.8	06/25-06/27/08	KQC841CG
	100	(82 - 115)	2.6	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CH
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Chromium	92	(80 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CJ
	92	(80 - 124)	0.83	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CK
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/27/08	KQC841CL
	99	(82 - 114)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CM
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Lead	92	(79 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841C3
	92	(79 - 119)	0.50	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C4
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Molybdenum	99	(87 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CN
	100	(87 - 120)	1.3	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CP
		Dilution Factor: 1					
		Analysis Time..: 17:23					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	92	(76 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841CQ
	90	(76 - 119)	2.7	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CR
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Selenium	82	(64 - 134)			MCAWW 200.8	06/25-06/27/08	KQC841CV
	83	(64 - 134)	0.97	(0-35)	MCAWW 200.8	06/25-06/27/08	KQC841CW
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Silver	95	(20 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841A9
	97	(20 - 120)	2.5	(0-40)	MCAWW 200.8	06/25-06/27/08	KQC841CA
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Thallium	91	(77 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CX
	92	(77 - 124)	1.9	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C0
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Zinc	96	(72 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841C1
	110	(72 - 120)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C2
		Dilution Factor: 1					
		Analysis Time..: 17:23					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465									
Antimony									
	0.56	40.0	39.1	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841CT
	0.56	40.0	39.7	ug/L	98	1.4	MCAWW 200.8	06/25-06/27/08	KQC841CU
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Arsenic									
	2.2	40.0	42.7	ug/L	101		MCAWW 200.8	06/25-06/27/08	KQC841CC
	2.2	40.0	41.4	ug/L	98	3.1	MCAWW 200.8	06/25-06/27/08	KQC841CD
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Beryllium									
	ND	40.0	35.5	ug/L	89		MCAWW 200.8	06/25-06/27/08	KQC841CE
	ND	40.0	34.1	ug/L	85	4.0	MCAWW 200.8	06/25-06/27/08	KQC841CF
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Cadmium									
	0.26	40.0	39.2	ug/L	97		MCAWW 200.8	06/25-06/27/08	KQC841CG
	0.26	40.0	40.2	ug/L	100	2.6	MCAWW 200.8	06/25-06/27/08	KQC841CH
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Chromium									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CJ
	2.4	40.0	39.0	ug/L	92	0.83	MCAWW 200.8	06/25-06/27/08	KQC841CK
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Copper									
	35	40.0	72.0	ug/L	93		MCAWW 200.8	06/25-06/27/08	KQC841CL
	35	40.0	74.5	ug/L	99	3.4	MCAWW 200.8	06/25-06/27/08	KQC841CM
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Lead									
	2.4	40.0	39.1	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841C3
	2.4	40.0	39.3	ug/L	92	0.50	MCAWW 200.8	06/25-06/27/08	KQC841C4
			Dilution Factor: 1						
			Analysis Time..: 17:23						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	44.1	ug/L	99		MCAWW 200.8	06/25-06/27/08	KQC841CN
	4.6	40.0	44.7	ug/L	100	1.3	MCAWW 200.8	06/25-06/27/08	KQC841CF
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Nickel									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CQ
	2.4	40.0	38.3	ug/L	90	2.7	MCAWW 200.8	06/25-06/27/08	KQC841CR
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Selenium									
	1.2	40.0	34.1	ug/L	82		MCAWW 200.8	06/25-06/27/08	KQC841CV
	1.2	40.0	34.4	ug/L	83	0.97	MCAWW 200.8	06/25-06/27/08	KQC841CW
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Silver									
	1.4	40.0	39.3	ug/L	95		MCAWW 200.8	06/25-06/27/08	KQC841A9
	1.4	40.0	40.3	ug/L	97	2.5	MCAWW 200.8	06/25-06/27/08	KQC841CA
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Thallium									
	ND	40.0	36.2	ug/L	91		MCAWW 200.8	06/25-06/27/08	KQC841CX
	ND	40.0	36.9	ug/L	92	1.9	MCAWW 200.8	06/25-06/27/08	KQC841C0
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Zinc									
	120	40.0	157	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841C1
	120	40.0	163	ug/L	110	3.4	MCAWW 200.8	06/25-06/27/08	KQC841C2
			Dilution Factor: 1						
			Analysis Time..: 17:23						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176275							
Mercury	107	(90 - 110)			MCAWW 245.1	06/25/08	KQC811CC
	108	(90 - 110)	0.29	(0-10)	MCAWW 245.1	06/25/08	KQC811CD

Dilution Factor: 1
Analysis Time..: 16:31

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176275									
Mercury									
	ND	5.00	5.38	ug/L	107		MCAWW 245.1	06/25/08	KQC811CC
	ND	5.00	5.40	ug/L	108	0.29	MCAWW 245.1	06/25/08	KQC811CD

Dilution Factor: 1
Analysis Time..: 16:31

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472							
Antimony	101	(80 - 117)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	97	(80 - 117)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Arsenic	103	(79 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	103	(79 - 120)	0.05	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Beryllium	101	(76 - 126)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	96	(76 - 126)	5.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Cadmium	106	(82 - 115)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	102	(82 - 115)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Chromium	98	(80 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	91	(80 - 124)	6.4	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	103	(82 - 114)	7.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
		Dilution Factor: 1					
		Analysis Time..: 19:49					
Lead	102	(79 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	97	(79 - 119)	5.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Molybdenum	107	(87 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1A9
	103	(87 - 120)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
		Dilution Factor: 1					
		Analysis Time..: 01:14					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	94	(76 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	92	(76 - 119)	2.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Selenium	93	(64 - 134)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	81	(64 - 134)	13	(0-35)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Silver	101	(20 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	96	(20 - 120)	5.3	(0-40)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Thallium	101	(77 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	98	(77 - 124)	2.9	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Zinc	101	(72 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	96	(72 - 120)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
		Dilution Factor: 1					
		Analysis Time..: 01:14					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472									
Antimony									
	0.30	40.0	40.6	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	0.30	40.0	38.9	ug/L	97	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Arsenic									
	ND	40.0	41.7	ug/L	103		MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	ND	40.0	41.7	ug/L	103	0.05	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Beryllium									
	ND	40.0	40.5	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	ND	40.0	38.3	ug/L	96	5.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Cadmium									
	0.21	40.0	42.7	ug/L	106		MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	0.21	40.0	41.2	ug/L	102	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Chromium									
	1.3	40.0	40.3	ug/L	98		MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	1.3	40.0	37.8	ug/L	91	6.4	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Copper									
	13	40.0	50.7	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	13	40.0	54.7	ug/L	103	7.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
			Dilution Factor: 1						
			Analysis Time..: 19:49						
Lead									
	0.54	40.0	41.5	ug/L	102		MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	0.54	40.0	39.4	ug/L	97	5.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
			Dilution Factor: 1						
			Analysis Time..: 01:14						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F200327 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	47.6	ug/L	107		MCAWW 200.8	06/25-06/26/08	KQDLQ1AS
	4.6	40.0	46.0	ug/L	103	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Nickel									
	2.0	40.0	39.6	ug/L	94		MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	2.0	40.0	38.8	ug/L	92	2.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Selenium									
	ND	40.0	38.0	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	ND	40.0	33.2	ug/L	81	13	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Silver									
	0.71	40.0	41.2	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	0.71	40.0	39.0	ug/L	96	5.3	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Thallium									
	ND	40.0	40.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	ND	40.0	39.3	ug/L	98	2.9	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Zinc									
	9.0	40.0	49.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	9.0	40.0	47.4	ug/L	96	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
			Dilution Factor: 1						
			Analysis Time..: 01:14						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8F200327 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KQX711AA		MB Lot-Sample #:	D8G010000-600	
	ND	0.010	mg/L	SM18 4500-CN E	06/30/08	8183600
		Dilution Factor: 1				
		Analysis Time..: 14:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8F200327 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KQX711AC-LCS/KQX711AD-LCSD				LCS Lot-Sample#: D8G010000-600	
	102	(90 - 110)			SM18 4500-CN E	06/30/08	8183600
	102	(90 - 110)	0.78	(0-10)	SM18 4500-CN E	06/30/08	8183600

Dilution Factor: 1 Analysis Time..: 14:00

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8F200327 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#:KQX711AC-LCS/KQX711AD-LCSD			LCS Lot-Sample#: D8G010000-600		
	0.100	0.102	mg/L	102		SM18 4500-CN E	06/30/08	8183600
	0.100	0.102	mg/L	102	0.78	SM18 4500-CN E	06/30/08	8183600

Dilution Factor: 1 Analysis Time..: 14:00

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F200327
Date Sampled...: 06/23/08 09:06 **Date Received..:** 06/23/08

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide							
		WO#:	KQFL61AD-MS/KQFL61AE-MSD			MS Lot-Sample #:	D8F230179-001
	104	(90 - 110)			SM18 4500-CN E	06/30/08	8183598
	99	(90 - 110)	4.2	(0-10)	SM18 4500-CN E	06/30/08	8183598

Dilution Factor: 1
Analysis Time..: 14:00

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8F200327
Date Sampled...: 06/23/08 09:06 **Date Received..:** 06/23/08

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KQFL61AD-MS/KQFL61AE-MSD				MS Lot-Sample #: D8F230179-001		
	ND	0.100	0.106	mg/L	104		SM18 4500-CN	06/30/08	8183598
	ND	0.100	0.101	mg/L	99	4.2	SM18 4500-CN	06/30/08	8183598

Dilution Factor: 1
Analysis Time..: 14:00

NOTE(S):

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

2.1°c
6/20/08 TM

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:
TestAmerica
4955 Yarrow St.
Arvada, CO 80002
(303) 736-0100
Attn: Mike Phillips

FROM:
Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501
Attn: Tim Mayers
(907)276-6178

REQUIRED COMPLETION DATE: 30 days

P.O. #: AK08-1004

KLI Proj. #: 516.02

ANALYSIS TYPE: EPA 602. Detection limit 0.5 µg/L.

MATRIX: Water

Preservative: HCl, 4°C. Station F1 samples contain L- Ascorbic Acid

Type of Container: 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOA001	F1-1S	3	6/17/08	1415		
MOA08VOA002	F1-2S	3	6/17/08	1444		
MOA08VOA003	F1-2S	3	6/17/08	1444		
MOA08VOA004	F1-3S	3	6/17/08	~~1444~~ 1500		
MOA08VOA005	C1-1S	6	6/18/08	1454		
MOA08VOA006	C1-2S	3	6/18/08	1512		
MOA08VOA007	C1-3S	3	6/18/08	1545		
MOA08VOA009	C-STATION	3	6/18/08	1454		
MOA08VOA010	TRIP BLANK	3	5/5/08	NA		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DAT3E OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/19/08 1255	FEDEX	[signature]	6/20/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 ATTN: Mike Phillips (303) 736-0100	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total and Dissolved Metals: (By EPA 200.8/245.1) Ag, As, Be, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Tl, Zn, Hg

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08MET004	Influent	1	6/18-19/08	1000-1000		
MOA08MET005	Effluent	1	6/18-19/08	1000-1000		

Please split samples for separate total and dissolved metals analysis.
Please filter and then preserve samples with HNO_3 upon receipt at laboratory.

DATA REPORTS MUST INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1025	[illegible]	[illegible]	6/19/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1200	FED EX	[illegible]	6/20/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 Attn: Mike Phillips (303) 736-0100	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907) 276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total Cyanide (SM 4500-CN E Mod)

MATRIX: Water	**Preservative:** NaOH, 4°C Effluent samples contain L- Ascorbic Acid	**Type of Container:** 500 ml HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08TCN011	Influent	1	6/18-19/08	1000-1600		
MOA08TCN012	Effluent	1	6/18-19/08	1000-1000		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/19/08 1028			6/19/08 1036
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/19/08 1200	FED Ex		6/20/08 09 00
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8F210115

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 11, 2008

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4955 Yarrow Street Arvada, CO 80002 **tel** 303.736.0100 **fax** 303.431.7171 **www.testamericainc.com**

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Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	50

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- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Evaluation and/or Data Reports**
- **Chain-of-Custody**

CASE NARRATIVE
D8F210115

The following report contains the analytical results for four samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received June 21, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 2.9°C.

No anomalies were observed.

Total Metals – Method 200.8/245.1

Low levels of Chromium and Molybdenum are present in the method blank associated with QC batch 8176465. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

The CCV were above the upper control limit for Mercury in batch 8176268. Associated sample results are still valid because none of the target compounds were detected above the reporting limit.

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1

The CCV were above the upper control limit for Mercury in batch 8176275. Associated sample results are still valid because none of the target compounds were detected above the reporting limit.

No other anomalies were observed.

General Chemistry – Total Cyanide

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8F210115

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET006 06/20/08 10:00 001				
Silver - DISSOLVED	0.33 B	1.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.085 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.2 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	7.5	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	1.4 B	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	1.9 B	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.25 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.23 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	8.5 B	10	ug/L	MCAWW 200.8
Mercury	0.19 B	0.20	ug/L	MCAWW 245.1
Silver	2.0	1.0	ug/L	MCAWW 200.8
Arsenic	2.2 B	5.0	ug/L	MCAWW 200.8
Cadmium	1.8	1.0	ug/L	MCAWW 200.8
Chromium	5.3 J	3.0	ug/L	MCAWW 200.8
Copper	56	2.0	ug/L	MCAWW 200.8
Molybdenum	4.5 J	2.0	ug/L	MCAWW 200.8
Nickel	4.7	2.0	ug/L	MCAWW 200.8
Lead	4.2	1.0	ug/L	MCAWW 200.8
Antimony	0.70 B	2.0	ug/L	MCAWW 200.8
Zinc	170	10	ug/L	MCAWW 200.8
MOA08MET007 06/20/08 10:00 002				
Silver - DISSOLVED	0.71 B	1.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.21 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	1.3 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	13	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	4.6	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.0	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.54 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.30 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	9.0 B	10	ug/L	MCAWW 200.8
Mercury	0.059 B	0.20	ug/L	MCAWW 245.1
Silver	1.6	1.0	ug/L	MCAWW 200.8
Arsenic	2.4 B	5.0	ug/L	MCAWW 200.8
Cadmium	4.9	1.0	ug/L	MCAWW 200.8
Chromium	2.9 B,J	3.0	ug/L	MCAWW 200.8
Copper	37	2.0	ug/L	MCAWW 200.8
Molybdenum	4.8 J	2.0	ug/L	MCAWW 200.8
Nickel	3.1	2.0	ug/L	MCAWW 200.8
Lead	2.1	1.0	ug/L	MCAWW 200.8
Antimony	0.56 B	2.0	ug/L	MCAWW 200.8
Zinc	110	10	ug/L	MCAWW 200.8

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D8F210115

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08TCN013 06/20/08 10:00 003				
Total Cyanide	0.0032 B	0.010	mg/L	SM18 4500-CN E
MOA08TCN014 06/20/08 10:00 004				
Total Cyanide	0.0078 B	0.010	mg/L	SM18 4500-CN E

METHODS SUMMARY

D8F210115

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Total cyanide	SM18 4500-CN E	SM18 4500-CN E

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

D8F210115

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 200.8	Thomas Lill	006929
MCAWW 200.8	Thomas Lill	6929
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	9582
SM18 4500-CN E	Ewa Kudla	001167

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

D8F210115

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQDLP	001	MOA08MET006	06/20/08	10:00
KQDLQ	002	MOA08MET007	06/20/08	10:00
KQDLV	003	MOA08TCN013	06/20/08	10:00
KQDLX	004	MOA08TCN014	06/20/08	10:00

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET006

TOTAL Metals

Lot-Sample #...: D8F210115-001 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176268						
Mercury	**0.19 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/25/08**	**KQDLP1AQ**
		Dilution Factor: 1		Analysis Time..: 15:42	MDL.....: 0.027	
Prep Batch #...: 8176465						
Silver	**2.0**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AA**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.020	
Arsenic	**2.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AC**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLP1AD
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.15	
Cadmium	**1.8**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AE**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.040	
Chromium	**5.3 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AF**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.88	
Copper	**56**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AG**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.20	
Molybdenum	**4.5 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AH**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.040	
Nickel	**4.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AJ**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.28	
Lead	**4.2**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AP**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.10	
Antimony	**0.70 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AK**
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLP1AL
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLP1AM
		Dilution Factor: 1		Analysis Time..: 16:52	MDL.....: 0.029	

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET006

TOTAL Metals

Lot-Sample #...: D8F210115-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**170**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLP1AN**

Dilution Factor: 1 Analysis Time..: 16:52 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET006

DISSOLVED Metals

Lot-Sample #...: D8F210115-001 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQDLP1A7
		Dilution Factor: 1		Analysis Time..: 16:24	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.33 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1AR**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.020	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLP1AT
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLP1AU
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.15	
Cadmium	**0.085 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1AV**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.040	
Chromium	**1.2 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1AW**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.88	
Copper	**7.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1AX**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 0.20	
Molybdenum	**1.4 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1A0**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.040	
Nickel	**1.9 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1A1**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.28	
Lead	**0.25 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1A6**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.10	
Antimony	**0.23 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1A2**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLP1A3
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLP1A4
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 0.029	

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET006

DISSOLVED Metals

Lot-Sample #...: D8F210115-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**8.5 B**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLP1A5**
		Dilution Factor: 1		Analysis Time..: 00:59	MDL.....: 2.0	

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET007

TOTAL Metals

Lot-Sample #...: D8F210115-002 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176268						
Mercury	**0.059 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**06/25/08**	**KQDLQ1A2**
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.027	
Prep Batch #...: 8176465						
Silver	**1.6**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AL**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.020	
Arsenic	**2.4 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AM**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLQ1AN
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.15	
Cadmium	**4.9**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AP**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.040	
Chromium	**2.9 B,J**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AQ**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.88	
Copper	**37**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AR**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.20	
Molybdenum	**4.8 J**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AT**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.040	
Nickel	**3.1**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AU**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.28	
Lead	**2.1**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1A1**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.10	
Antimony	**0.56 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1AV**
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLQ1AW
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQDLQ1AX
		Dilution Factor: 1		Analysis Time..: 16:56	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET007

TOTAL Metals

Lot-Sample #...: D8F210115-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**110**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQDLQ1A0**

Dilution Factor: 1 Analysis Time..: 16:56 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET007

DISSOLVED Metals

Lot-Sample #...: D8F210115-002 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQDLQ1AJ
		Dilution Factor: 1		Analysis Time..: 16:26	MDL.....: 0.027	
Prep Batch #...: 8176472						
Silver	**0.71 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1A3**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.020	
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLQ1A4
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLQ1A5
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.15	
Cadmium	**0.21 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1A6**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.040	
Chromium	**1.3 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1A7**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.88	
Copper	**13**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1A8**
		Dilution Factor: 1		Analysis Time..: 18:37	MDL.....: 0.20	
Molybdenum	**4.6**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1AA**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.040	
Nickel	**2.0**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1AC**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.28	
Lead	**0.54 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1AH**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.10	
Antimony	**0.30 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1AD**
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLQ1AE
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQDLQ1AF
		Dilution Factor: 1		Analysis Time..: 01:03	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET007

DISSOLVED Metals

Lot-Sample #...: D8F210115-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**9.0 B**	**10**	**ug/L**	**MCAWW 200.8**	**06/25-06/26/08**	**KQDLQ1AG**

Dilution Factor: 1 Analysis Time..: 01:03 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN013

General Chemistry

Lot-Sample #...: D8F210115-003 **Work Order #...:** KQDLV **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0032 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**07/02/08**	**8185430**

Dilution Factor: 1 Analysis Time..: 14:00 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN014

General Chemistry

Lot-Sample #...: D8F210115-004 **Work Order #...:** KQDLX **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0078 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**07/02/08**	**8185430**

Dilution Factor: 1 Analysis Time..: 14:00 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

D8F210115

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 245.1		8176268	8176181
	WATER	MCAWW 245.1		8176275	8176187
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350
002	WATER	MCAWW 245.1		8176268	8176181
	WATER	MCAWW 245.1		8176275	8176187
	WATER	MCAWW 200.8		8176465	8176349
	WATER	MCAWW 200.8		8176472	8176350
003	WATER	SM18 4500-CN E		8185430	8185254
004	WATER	SM18 4500-CN E		8185430	8185254

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F240000-268 **Prep Batch #...:** 8176268						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQGXV1AA
		Dilution Factor: 1				
		Analysis Time..: 15:35				
MB Lot-Sample #: D8F240000-465 **Prep Batch #...:** 8176465						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AK
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AC
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AD
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AE
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Chromium	**1.0 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AF**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AG
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AP
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Molybdenum	**0.043 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**06/25-06/27/08**	**KQHQ11AH**
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AJ
		Dilution Factor: 1				
		Analysis Time..: 16:33				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AL
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AA
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AM
		Dilution Factor: 1				
		Analysis Time..: 16:33				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/27/08	KQHQ11AN
		Dilution Factor: 1				
		Analysis Time..: 16:33				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8F240000-275 **Prep Batch #...:** 8176275						
Mercury	ND	0.20	ug/L	MCAWW 245.1	06/25/08	KQG031AA
		Dilution Factor: 1				
		Analysis Time..: 16:17				
MB Lot-Sample #: D8F240000-472 **Prep Batch #...:** 8176472						
Antimony	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AD
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AK
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AL
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AM
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Chromium	ND	3.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AN
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Copper	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AP
		Dilution Factor: 1				
		Analysis Time..: 18:14				
Lead	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AH
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AA
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Nickel	ND	2.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AC
		Dilution Factor: 1				
		Analysis Time..: 00:40				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AE
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Silver	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AJ
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Thallium	ND	1.0	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AF
		Dilution Factor: 1				
		Analysis Time..: 00:40				
Zinc	ND	10	ug/L	MCAWW 200.8	06/25-06/26/08	KQHQ71AG
		Dilution Factor: 1				
		Analysis Time..: 00:40				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-268 **Prep Batch #...:** 8176268					
Mercury	105	(90 - 110)	MCAWW 245.1	06/25/08	KQGXV1AC
		Dilution Factor: 1	Analysis Time..: 15:37		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465					
Silver	96	(90 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
		Dilution Factor: 1	Analysis Time..: 16:37		
Arsenic	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
		Dilution Factor: 1	Analysis Time..: 16:37		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
		Dilution Factor: 1	Analysis Time..: 16:37		
Cadmium	97	(89 - 111)	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
		Dilution Factor: 1	Analysis Time..: 16:37		
Chromium	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
		Dilution Factor: 1	Analysis Time..: 16:37		
Copper	97	(90 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
		Dilution Factor: 1	Analysis Time..: 16:37		
Molybdenum	94	(89 - 112)	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
		Dilution Factor: 1	Analysis Time..: 16:37		
Nickel	95	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
		Dilution Factor: 1	Analysis Time..: 16:37		
Antimony	95	(85 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
		Dilution Factor: 1	Analysis Time..: 16:37		
Selenium	96	(85 - 114)	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
		Dilution Factor: 1	Analysis Time..: 16:37		
Thallium	94	(86 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
		Dilution Factor: 1	Analysis Time..: 16:37		
Zinc	100	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
		Dilution Factor: 1	Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	06/25-06/27/08	KQHQ11A5

Dilution Factor: 1 Analysis Time..: 16:37

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-268 **Prep Batch #...:** 8176268							
Mercury	5.00	5.24	ug/L	105	MCAWW 245.1	06/25/08	KQGXV1AC
			Dilution Factor: 1		Analysis Time..: 15:37		
LCS Lot-Sample#: D8F240000-465 **Prep Batch #...:** 8176465							
Silver	40.0	38.3	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11AQ
			Dilution Factor: 1		Analysis Time..: 16:37		
Arsenic	40.0	38.6	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AR
			Dilution Factor: 1		Analysis Time..: 16:37		
Beryllium	40.0	36.5	ug/L	91	MCAWW 200.8	06/25-06/27/08	KQHQ11AT
			Dilution Factor: 1		Analysis Time..: 16:37		
Cadmium	40.0	38.8	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AU
			Dilution Factor: 1		Analysis Time..: 16:37		
Chromium	40.0	38.0	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11AV
			Dilution Factor: 1		Analysis Time..: 16:37		
Copper	40.0	38.9	ug/L	97	MCAWW 200.8	06/25-06/27/08	KQHQ11AW
			Dilution Factor: 1		Analysis Time..: 16:37		
Molybdenum	40.0	37.7	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11AX
			Dilution Factor: 1		Analysis Time..: 16:37		
Nickel	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A0
			Dilution Factor: 1		Analysis Time..: 16:37		
Antimony	40.0	38.2	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A1
			Dilution Factor: 1		Analysis Time..: 16:37		
Selenium	40.0	38.6	ug/L	96	MCAWW 200.8	06/25-06/27/08	KQHQ11A2
			Dilution Factor: 1		Analysis Time..: 16:37		
Thallium	40.0	37.5	ug/L	94	MCAWW 200.8	06/25-06/27/08	KQHQ11A3
			Dilution Factor: 1		Analysis Time..: 16:37		
Zinc	40.0	40.0	ug/L	100	MCAWW 200.8	06/25-06/27/08	KQHQ11A4
			Dilution Factor: 1		Analysis Time..: 16:37		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.8	ug/L	95	MCAWW 200.8	06/25-06/27/08	KQHQ11A5

Dilution Factor: 1 Analysis Time..: 16:37

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-275 **Prep Batch #...:** 8176275					
Mercury	105	(90 - 110)	MCAWW 245.1	06/25/08	KQG031AC
		Dilution Factor: 1	Analysis Time..: 16:19		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472					
Molybdenum	96	(89 - 112)	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
		Dilution Factor: 1	Analysis Time..: 00:44		
Nickel	87	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
		Dilution Factor: 1	Analysis Time..: 00:44		
Antimony	93	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
		Dilution Factor: 1	Analysis Time..: 00:44		
Selenium	102	(85 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
		Dilution Factor: 1	Analysis Time..: 00:44		
Thallium	93	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
		Dilution Factor: 1	Analysis Time..: 00:44		
Zinc	99	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
		Dilution Factor: 1	Analysis Time..: 00:44		
Lead	93	(88 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
		Dilution Factor: 1	Analysis Time..: 00:44		
Silver	93	(90 - 114)	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
		Dilution Factor: 1	Analysis Time..: 00:44		
Arsenic	90	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
		Dilution Factor: 1	Analysis Time..: 00:44		
Beryllium	91	(85 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
		Dilution Factor: 1	Analysis Time..: 00:44		
Cadmium	96	(89 - 111)	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
		Dilution Factor: 1	Analysis Time..: 00:44		
Chromium	88	(86 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
		Dilution Factor: 1	Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	93	(90 - 115)	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8F240000-275 **Prep Batch #...:** 8176275							
Mercury	5.00	5.27	ug/L	105	MCAWW 245.1	06/25/08	KQG031AC
			Dilution Factor: 1		Analysis Time..: 16:19		
LCS Lot-Sample#: D8F240000-472 **Prep Batch #...:** 8176472							
Molybdenum	40.0	38.5	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71AQ
			Dilution Factor: 1		Analysis Time..: 00:44		
Nickel	40.0	34.8	ug/L	87	MCAWW 200.8	06/25-06/26/08	KQHQ71AR
			Dilution Factor: 1		Analysis Time..: 00:44		
Antimony	40.0	37.4	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AT
			Dilution Factor: 1		Analysis Time..: 00:44		
Selenium	40.0	40.9	ug/L	102	MCAWW 200.8	06/25-06/26/08	KQHQ71AU
			Dilution Factor: 1		Analysis Time..: 00:44		
Thallium	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AV
			Dilution Factor: 1		Analysis Time..: 00:44		
Zinc	40.0	39.7	ug/L	99	MCAWW 200.8	06/25-06/26/08	KQHQ71AW
			Dilution Factor: 1		Analysis Time..: 00:44		
Lead	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71AX
			Dilution Factor: 1		Analysis Time..: 00:44		
Silver	40.0	37.2	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A0
			Dilution Factor: 1		Analysis Time..: 00:44		
Arsenic	40.0	36.0	ug/L	90	MCAWW 200.8	06/25-06/26/08	KQHQ71A1
			Dilution Factor: 1		Analysis Time..: 00:44		
Beryllium	40.0	36.4	ug/L	91	MCAWW 200.8	06/25-06/26/08	KQHQ71A2
			Dilution Factor: 1		Analysis Time..: 00:44		
Cadmium	40.0	38.2	ug/L	96	MCAWW 200.8	06/25-06/26/08	KQHQ71A3
			Dilution Factor: 1		Analysis Time..: 00:44		
Chromium	40.0	35.3	ug/L	88	MCAWW 200.8	06/25-06/26/08	KQHQ71A4
			Dilution Factor: 1		Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	40.0	37.3	ug/L	93	MCAWW 200.8	06/25-06/26/08	KQHQ71A5

Dilution Factor: 1 Analysis Time..: 18:18

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176268							
Mercury	103	(90 - 110)			MCAWW 245.1	06/25/08	KQC811A9
	98	(90 - 110)	5.7	(0-10)	MCAWW 245.1	06/25/08	KQC811CA

Dilution Factor: 1
Analysis Time..: 16:05

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176268									
Mercury									
	0.12	5.00	5.29	ug/L	103		MCAWW 245.1	06/25/08	KQC811A9
	0.12	5.00	5.00	ug/L	98	5.7	MCAWW 245.1	06/25/08	KQC811CA

Dilution Factor: 1
Analysis Time..: 16:05

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465							
Antimony	96	(80 - 117)			MCAWW 200.8	06/25-06/27/08	KQC841CT
	98	(80 - 117)	1.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CU
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Arsenic	101	(79 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CC
	98	(79 - 120)	3.1	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CD
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Beryllium	89	(76 - 126)			MCAWW 200.8	06/25-06/27/08	KQC841CE
	85	(76 - 126)	4.0	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CF
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Cadmium	97	(82 - 115)			MCAWW 200.8	06/25-06/27/08	KQC841CG
	100	(82 - 115)	2.6	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CH
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Chromium	92	(80 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CJ
	92	(80 - 124)	0.83	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CK
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/27/08	KQC841CL
	99	(82 - 114)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CM
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Lead	92	(79 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841C3
	92	(79 - 119)	0.50	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C4
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Molybdenum	99	(87 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841CN
	100	(87 - 120)	1.3	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CP
		Dilution Factor: 1					
		Analysis Time..: 17:23					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	92	(76 - 119)			MCAWW 200.8	06/25-06/27/08	KQC841CQ
	90	(76 - 119)	2.7	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841CR
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Selenium	82	(64 - 134)			MCAWW 200.8	06/25-06/27/08	KQC841CV
	83	(64 - 134)	0.97	(0-35)	MCAWW 200.8	06/25-06/27/08	KQC841CW
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Silver	95	(20 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841A9
	97	(20 - 120)	2.5	(0-40)	MCAWW 200.8	06/25-06/27/08	KQC841CA
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Thallium	91	(77 - 124)			MCAWW 200.8	06/25-06/27/08	KQC841CX
	92	(77 - 124)	1.9	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C0
		Dilution Factor: 1					
		Analysis Time..: 17:23					
Zinc	96	(72 - 120)			MCAWW 200.8	06/25-06/27/08	KQC841C1
	110	(72 - 120)	3.4	(0-30)	MCAWW 200.8	06/25-06/27/08	KQC841C2
		Dilution Factor: 1					
		Analysis Time..: 17:23					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-011 **Prep Batch #...:** 8176465									
Antimony									
	0.56	40.0	39.1	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841CT
	0.56	40.0	39.7	ug/L	98	1.4	MCAWW 200.8	06/25-06/27/08	KQC841CU
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Arsenic									
	2.2	40.0	42.7	ug/L	101		MCAWW 200.8	06/25-06/27/08	KQC841CC
	2.2	40.0	41.4	ug/L	98	3.1	MCAWW 200.8	06/25-06/27/08	KQC841CD
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Beryllium									
	ND	40.0	35.5	ug/L	89		MCAWW 200.8	06/25-06/27/08	KQC841CE
	ND	40.0	34.1	ug/L	85	4.0	MCAWW 200.8	06/25-06/27/08	KQC841CF
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Cadmium									
	0.26	40.0	39.2	ug/L	97		MCAWW 200.8	06/25-06/27/08	KQC841CG
	0.26	40.0	40.2	ug/L	100	2.6	MCAWW 200.8	06/25-06/27/08	KQC841CH
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Chromium									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CJ
	2.4	40.0	39.0	ug/L	92	0.83	MCAWW 200.8	06/25-06/27/08	KQC841CK
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Copper									
	35	40.0	72.0	ug/L	93		MCAWW 200.8	06/25-06/27/08	KQC841CL
	35	40.0	74.5	ug/L	99	3.4	MCAWW 200.8	06/25-06/27/08	KQC841CM
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Lead									
	2.4	40.0	39.1	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841C3
	2.4	40.0	39.3	ug/L	92	0.50	MCAWW 200.8	06/25-06/27/08	KQC841C4
			Dilution Factor: 1						
			Analysis Time..: 17:23						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	44.1	ug/L	99		MCAWW 200.8	06/25-06/27/08	KQC841CN
	4.6	40.0	44.7	ug/L	100	1.3	MCAWW 200.8	06/25-06/27/08	KQC841CP
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Nickel									
	2.4	40.0	39.4	ug/L	92		MCAWW 200.8	06/25-06/27/08	KQC841CQ
	2.4	40.0	38.3	ug/L	90	2.7	MCAWW 200.8	06/25-06/27/08	KQC841CR
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Selenium									
	1.2	40.0	34.1	ug/L	82		MCAWW 200.8	06/25-06/27/08	KQC841CV
	1.2	40.0	34.4	ug/L	83	0.97	MCAWW 200.8	06/25-06/27/08	KQC841CW
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Silver									
	1.4	40.0	39.3	ug/L	95		MCAWW 200.8	06/25-06/27/08	KQC841A9
	1.4	40.0	40.3	ug/L	97	2.5	MCAWW 200.8	06/25-06/27/08	KQC841CA
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Thallium									
	ND	40.0	36.2	ug/L	91		MCAWW 200.8	06/25-06/27/08	KQC841CX
	ND	40.0	36.9	ug/L	92	1.9	MCAWW 200.8	06/25-06/27/08	KQC841C0
			Dilution Factor: 1						
			Analysis Time..: 17:23						
Zinc									
	120	40.0	157	ug/L	96		MCAWW 200.8	06/25-06/27/08	KQC841C1
	120	40.0	163	ug/L	110	3.4	MCAWW 200.8	06/25-06/27/08	KQC841C2
			Dilution Factor: 1						
			Analysis Time..: 17:23						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176275							
Mercury	107	(90 - 110)			MCAWW 245.1	06/25/08	KQC811CC
	108	(90 - 110)	0.29	(0-10)	MCAWW 245.1	06/25/08	KQC811CD
		Dilution Factor: 1					
		Analysis Time..: 16:31					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/19/08 10:00 **Date Received..:** 06/20/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F200327-010 **Prep Batch #...:** 8176275									
Mercury									
	ND	5.00	5.38	ug/L	107		MCAWW 245.1	06/25/08	KQC811CC
	ND	5.00	5.40	ug/L	108	0.29	MCAWW 245.1	06/25/08	KQC811CD

Dilution Factor: 1
Analysis Time..: 16:31

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472							
Antimony	101	(80 - 117)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	97	(80 - 117)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Arsenic	103	(79 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	103	(79 - 120)	0.05	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Beryllium	101	(76 - 126)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	96	(76 - 126)	5.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Cadmium	106	(82 - 115)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	102	(82 - 115)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Chromium	98	(80 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	91	(80 - 124)	6.4	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Copper	93	(82 - 114)			MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	103	(82 - 114)	7.6	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
		Dilution Factor: 1					
		Analysis Time..: 19:49					
Lead	102	(79 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	97	(79 - 119)	5.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Molybdenum	107	(87 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1A9
	103	(87 - 120)	3.5	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
		Dilution Factor: 1					
		Analysis Time..: 01:14					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	94	(76 - 119)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	92	(76 - 119)	2.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Selenium	93	(64 - 134)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	81	(64 - 134)	13	(0-35)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Silver	101	(20 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	96	(20 - 120)	5.3	(0-40)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Thallium	101	(77 - 124)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	98	(77 - 124)	2.9	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
		Dilution Factor: 1					
		Analysis Time..: 01:14					
Zinc	101	(72 - 120)			MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	96	(72 - 120)	4.2	(0-30)	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
		Dilution Factor: 1					
		Analysis Time..: 01:14					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F210115-002 **Prep Batch #...:** 8176472									
Antimony									
	0.30	40.0	40.6	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CE
	0.30	40.0	38.9	ug/L	97	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CF
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Arsenic									
	ND	40.0	41.7	ug/L	103		MCAWW 200.8	06/25-06/26/08	KQDLQ1CT
	ND	40.0	41.7	ug/L	103	0.05	MCAWW 200.8	06/25-06/26/08	KQDLQ1CU
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Beryllium									
	ND	40.0	40.5	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CV
	ND	40.0	38.3	ug/L	96	5.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1CW
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Cadmium									
	0.21	40.0	42.7	ug/L	106		MCAWW 200.8	06/25-06/26/08	KQDLQ1CX
	0.21	40.0	41.2	ug/L	102	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1C0
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Chromium									
	1.3	40.0	40.3	ug/L	98		MCAWW 200.8	06/25-06/26/08	KQDLQ1C1
	1.3	40.0	37.8	ug/L	91	6.4	MCAWW 200.8	06/25-06/26/08	KQDLQ1C2
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Copper									
	13	40.0	50.7	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1C3
	13	40.0	54.7	ug/L	103	7.6	MCAWW 200.8	06/25-06/26/08	KQDLQ1C4
			Dilution Factor: 1						
			Analysis Time..: 19:49						
Lead									
	0.54	40.0	41.5	ug/L	102		MCAWW 200.8	06/25-06/26/08	KQDLQ1CN
	0.54	40.0	39.4	ug/L	97	5.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CP
			Dilution Factor: 1						
			Analysis Time..: 01:14						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/20/08 10:00 **Date Received..:** 06/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.6	40.0	47.6	ug/L	107		MCAWW 200.8	06/25-06/26/08	KQDLQ1A9
	4.6	40.0	46.0	ug/L	103	3.5	MCAWW 200.8	06/25-06/26/08	KQDLQ1CA
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Nickel									
	2.0	40.0	39.6	ug/L	94		MCAWW 200.8	06/25-06/26/08	KQDLQ1CC
	2.0	40.0	38.8	ug/L	92	2.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CD
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Selenium									
	ND	40.0	38.0	ug/L	93		MCAWW 200.8	06/25-06/26/08	KQDLQ1CG
	ND	40.0	33.2	ug/L	81	13	MCAWW 200.8	06/25-06/26/08	KQDLQ1CH
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Silver									
	0.71	40.0	41.2	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CQ
	0.71	40.0	39.0	ug/L	96	5.3	MCAWW 200.8	06/25-06/26/08	KQDLQ1CR
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Thallium									
	ND	40.0	40.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CJ
	ND	40.0	39.3	ug/L	98	2.9	MCAWW 200.8	06/25-06/26/08	KQDLQ1CK
			Dilution Factor: 1						
			Analysis Time..: 01:14						
Zinc									
	9.0	40.0	49.4	ug/L	101		MCAWW 200.8	06/25-06/26/08	KQDLQ1CL
	9.0	40.0	47.4	ug/L	96	4.2	MCAWW 200.8	06/25-06/26/08	KQDLQ1CM
			Dilution Factor: 1						
			Analysis Time..: 01:14						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8F210115 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KQ39C1AA		MB Lot-Sample #:	D8G030000-430	
	ND	0.010	mg/L	SM18 4500-CN E	07/02/08	8185430
		Dilution Factor: 1				
		Analysis Time..: 14:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8F210115 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KQ39C1AC-LCS/KQ39C1AD-LCSD			LCS Lot-Sample#: D8G030000-430		
	100	(90 - 110)			SM18 4500-CN E	07/02/08	8185430
	100	(90 - 110)	0.50	(0-10)	SM18 4500-CN E	07/02/08	8185430

Dilution Factor: 1 Analysis Time..: 14:00

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8F210115 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KQ39C1AC-LCS/KQ39C1AD-LCSD LCS Lot-Sample#: D8G030000-430						
	0.100	0.0996	mg/L	100		SM18 4500-CN E	07/02/08	8185430
	0.100	0.100	mg/L	100	0.50	SM18 4500-CN E	07/02/08	8185430

Dilution Factor: 1 Analysis Time..: 14:00

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/23/08 09:02 **Date Received..:** 06/25/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: KQKT41AC-MS/KQKT41AD-MSD				MS Lot-Sample #: D8F250308-013	
	102	(90 - 110)			SM18 4500-CN E	07/02/08	8185428
	103	(90 - 110)	0.19	(0-10)	SM18 4500-CN E	07/02/08	8185428

Dilution Factor: 1
Analysis Time..: 14:00

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8F210115 **Matrix.....:** WATER
Date Sampled...: 06/23/08 09:02 **Date Received..:** 06/25/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#: KQKT41AC-MS/KQKT41AD-MSD				MS Lot-Sample #: D8F250308-013		
	ND	0.100	0.102	mg/L	102		SM18 4500-CN	07/02/08	8185428
	ND	0.100	0.103	mg/L	103	0.19	SM18 4500-CN	07/02/08	8185428
			Dilution Factor: 1						
			Analysis Time..: 14:00						

NOTE(S):

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

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 ATTN: Mike Phillips (303) 736-0100 Z.9 AG ER2 6/21/08	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total and Dissolved Metals: (By EPA 200.8/245.1) Ag, As, Be, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Tl, Zn, Hg

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08MET006	Influent	1	6/20/8	1000		
MOA08MET007	Effluent	1	6/20/8	1020		

Please split samples for separate total and dissolved metals analysis.
Please filter and then preserve samples with HNO_3 upon receipt at laboratory.

DATA REPORTS MUST INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/20/8 1035	[signature]	[signature]	6/20/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/20/08 1200	FEDEX	[signature]	6/21/08 840
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 Attn: Mike Phillips (303) 736-0100	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907) 276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1004	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total Cyanide (SM 4500-CN E Mod)

MATRIX: Water	**Preservative:** NaOH, 4°C Effluent samples contain L- Ascorbic Acid	**Type of Container:** 500 ml HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08TCN013	Influent	1	6/20/8	1000		
MOA08TCN014	Effluent	1	6/20/8	1000		

DATA REPORTS MUST INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/20/8 1085	[illegible]	[illegible]	6/20/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/20/08 1360	FEDEX	[illegible]	6/21/08 840
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8F190302

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 11, 2008

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4955 Yarrow Street Arvada, CO 80002 **tel** 303.736.0100 **fax** 303.431.7171 **www.testamericainc.com**

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- **Analytical Results**
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- **QC Evaluation and/or Data Reports**
- **Chain-of-Custody**

CASE NARRATIVE
D8F190302

The following report contains the analytical results for three samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received June 19, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 3.8°C.

The samples in this report for the Method 8280A TCDD analyses were subcontracted to TestAmerica West Sacramento; 880 Riverside Parkway, West Sacramento, California 95605.

No anomalies were observed.

2,3,7,8-TCDD, EPA Method 8280A

The method required MS/MSDs could not be performed for the samples in batch 8178093 due to insufficient sample volume submitted.

No other anomalies were observed.

Percent Moisture, ASTM D2216-90

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8F190302

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08DXN003 06/18/08 06:00 003				
Percent Moisture	69	0.10	%	ASTM D 2216-90

METHODS SUMMARY

D8F190302

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dioxins/Furans, HRGC/LRMS (8280A)	SW846 8280A	SW846 8280A
Method for Determination of Water Content of Soil	ASTM D 2216-90	ASTM D2216-90

References:

ASTM Annual Book Of ASTM Standards.

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

METHOD / ANALYST SUMMARY

D8F190302

ANALYTICAL METHOD	ANALYST	ANALYST ID
ASTM D 2216-90	Lisa L. Hernandez	000080
SW846 8280A	Mark Onishi	001984

References:

ASTM Annual Book Of ASTM Standards.

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

SAMPLE SUMMARY

D8F190302

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KP85J	001	MOA08DXN001	06/18/08	09:00
KP85N	002	MOA08DXN002	06/18/08	09:00
KP85R	003	MOA08DXN003	06/18/08	06:00

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN001

Trace Level Organic Compounds

Lot-Sample #...: D8F190302-001 **Work Order #...:** KP85J1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178100 **Analysis Time..:** 14:50
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.16	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	63	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	92	(25 - 150)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN002

Trace Level Organic Compounds

Lot-Sample #...: D8F190302-002 **Work Order #...:** KP85N1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 09:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178100 **Analysis Time..:** 15:38
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.13	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	89	(25 - 150)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN003

Trace Level Organic Compounds

Lot-Sample #...: D8F190302-003 **Work Order #...:** KP85R1AA **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178093 **Analysis Time..:** 20:24
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.23	ng/g	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	79	(25 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN003

General Chemistry

Lot-Sample #...: D8F190302-003 **Work Order #...:** KP85R **Matrix.....:** SOLID
Date Sampled...: 06/18/08 06:00 **Date Received..:** 06/19/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**69**	**0.10**	**%**	**ASTM D 2216-90**	**06/25-06/26/08**	**8177157**

Dilution Factor: 1 Analysis Time..: 08:11 MDL.....: 0.10

QC DATA ASSOCIATION SUMMARY

D8F190302

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8280A		8178100	
002	WATER	SW846 8280A		8178100	
003	SOLID	ASTM D 2216-90		8177157	8177105
	SOLID	SW846 8280A		8178093	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLG91AA **Matrix.....:** SOLID
MB Lot-Sample #: G8F260000-093

Prep Date.....: 06/24/08 **Analysis Time..:** 18:49
Analysis Date..: 06/26/08 **Prep Batch #...:** 8178093
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.0059	ng/g	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	100	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	94	(25 - 150)

NOTE(S):

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

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLJF1AA **Matrix.....:** WATER
MB Lot-Sample #: G8F260000-100

Prep Date.....: 06/24/08 **Analysis Time..:** 13:14
Analysis Date..: 06/26/08 **Prep Batch #...:** 8178100
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.084	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	69	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	92	(25 - 150)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLG91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G8F260000-093
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178093 **Analysis Time..:** 19:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	**103**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8-PeCDD	**98**	**(65 - 140)**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**101**	**(64 - 134)**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**101**	**(67 - 135)**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**103**	**(57 - 144)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**101**	**(66 - 133)**	**SW846 8280A**
OCDD	**103**	**(61 - 135)**	**SW846 8280A**
2,3,7,8-TCDF	**100**	**(70 - 130)**	**SW846 8280A**
1,2,3,7,8-PeCDF	**104**	**(65 - 149)**	**SW846 8280A**
2,3,4,7,8-PeCDF	**106**	**(62 - 147)**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**96**	**(59 - 147)**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**95**	**(54 - 150)**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**99**	**(55 - 149)**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**104**	**(52 - 149)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**95**	**(66 - 136)**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**102**	**(65 - 138)**	**SW846 8280A**
OCDF	**112**	**(62 - 135)**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	108	(25 - 150)
13C-2,3,7,8-TCDF	99	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	98	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	105	(25 - 150)
13C-OCDD	99	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	97	(25 - 150)

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

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLG91AC **Matrix.....:** SOLID
LCS Lot-Sample#: G8F260000-093
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178093 **Analysis Time..:** 19:36
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	**2.50**	**2.58**	**ng/g**	**103**	**SW846 8280A**
1,2,3,7,8-PeCDD	**6.25**	**6.14**	**ng/g**	**98**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**6.25**	**6.32**	**ng/g**	**101**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**6.25**	**6.33**	**ng/g**	**101**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**6.25**	**6.42**	**ng/g**	**103**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**6.25**	**6.31**	**ng/g**	**101**	**SW846 8280A**
OCDD	**12.5**	**12.8**	**ng/g**	**103**	**SW846 8280A**
2,3,7,8-TCDF	**2.50**	**2.51**	**ng/g**	**100**	**SW846 8280A**
1,2,3,7,8-PeCDF	**6.25**	**6.51**	**ng/g**	**104**	**SW846 8280A**
2,3,4,7,8-PeCDF	**6.25**	**6.66**	**ng/g**	**106**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**6.25**	**5.99**	**ng/g**	**96**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**6.25**	**5.95**	**ng/g**	**95**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**6.25**	**6.17**	**ng/g**	**99**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**6.25**	**5.95**	**ng/g**	**95**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**6.25**	**6.40**	**ng/g**	**102**	**SW846 8280A**
OCDF	**12.5**	**14.0**	**ng/g**	**112**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	108	(25 - 150)
13C-2,3,7,8-TCDF	99	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	98	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	105	(25 - 150)
13C-OCDD	99	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	97	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLJF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G8F260000-100
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178100 **Analysis Time..:** 14:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	**98**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8-PeCDD	**103**	**(68 - 140)**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**102**	**(70 - 130)**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**102**	**(48 - 158)**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**98**	**(71 - 132)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**100**	**(71 - 134)**	**SW846 8280A**
OCDD	**101**	**(72 - 132)**	**SW846 8280A**
2,3,7,8-TCDF	**100**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8-PeCDF	**122**	**(67 - 140)**	**SW846 8280A**
2,3,4,7,8-PeCDF	**126**	**(59 - 142)**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**94**	**(50 - 160)**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**91**	**(56 - 152)**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**95**	**(62 - 153)**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**101**	**(67 - 145)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**92**	**(71 - 135)**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**100**	**(72 - 141)**	**SW846 8280A**
OCDF	**109**	**(72 - 135)**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	85	(25 - 150)

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

Trace Level Organic Compounds

Client Lot #...: D8F190302 **Work Order #...:** KQLJF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G8F260000-100
Prep Date.....: 06/24/08 **Analysis Date..:** 06/26/08
Prep Batch #...: 8178100 **Analysis Time..:** 14:02
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	**25.0**	**24.5**	**ng/L**	**98**	**SW846 8280A**
1,2,3,7,8-PeCDD	**62.5**	**64.4**	**ng/L**	**103**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**62.5**	**63.5**	**ng/L**	**102**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**62.5**	**64.0**	**ng/L**	**102**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**62.5**	**61.3**	**ng/L**	**98**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**62.5**	**62.7**	**ng/L**	**100**	**SW846 8280A**
OCDD	**125**	**127**	**ng/L**	**101**	**SW846 8280A**
2,3,7,8-TCDF	**25.0**	**25.0**	**ng/L**	**100**	**SW846 8280A**
1,2,3,7,8-PeCDF	**62.5**	**76.4**	**ng/L**	**122**	**SW846 8280A**
2,3,4,7,8-PeCDF	**62.5**	**78.6**	**ng/L**	**126**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**62.5**	**58.6**	**ng/L**	**94**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**62.5**	**57.0**	**ng/L**	**91**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**62.5**	**59.4**	**ng/L**	**95**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**62.5**	**63.2**	**ng/L**	**101**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**62.5**	**57.7**	**ng/L**	**92**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**62.5**	**62.4**	**ng/L**	**100**	**SW846 8280A**
OCDF	**125**	**136**	**ng/L**	**109**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	85	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8F190302 **Work Order #...:** KPX3W-SMP KPX3W-DUP **Matrix.....:** SOLID

Date Sampled...: 06/04/08 09:51 **Date Received..:** 06/13/08

% Moisture.....: 39

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	G8F130316-001	
	39	38	%	1.3	(0-20)	ASTM D 2216-90	06/25-06/26/08	8177157

Dilution Factor: 1 Analysis Time..: 08:06

D8F190302

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:
TestAmerica
880 Riverside Parkway
West Sacramento, CA 95605
(916) 374-4362
Attn: Jill Kellman

FROM:
Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501
Attn: Tim Mayers
(907)276-6178

REQUIRED COMPLETION DATE: 30 days

P.O. #: AK08-1004

KLI Proj. #: 516.01

ANALYSIS TYPE: EPA 8280A for TCDD. Detection limits as per method.

MATRIX: Water

Preservative: None, 4°C
Effluent samples contain L- Ascorbic Acid

Type of Container: 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08DXN001	Influent	2	6/17-6/18	0900-0900		
MOA08DXN002	Effluent	2	↓	↓		

NOTE: Please contact Mike Phillips in Aravda, Co to log these samples with other samples they are analyzing for this project. Thank you.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/18/08 1030			6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/18/08 1300	FED EX		6-19-08 1330
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

MPLED BY (NAME/SIGNATURE):

cts\MOA\Moa08\Field_08_Tim\COCs\O-G_ASB-SVLs-PESs-MET-DXNsDRY08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
TestAmerica 880 Riverside Parkway West Sacramento, CA 95605 (916) 374-4362 Attn: Jill Kellman	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8280A for TCDD. Detection limits as per method. Please report in dry weight.

MATRIX: Sludge | **Preservative:** None, 4°C | **Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08DXN003	Sludge	1	6/18/08	0600		

NOTE: Please contact Mike Phillips in Aravda, Co to log these samples with other samples they are analyzing for this project. Thank you.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1030	[signature]	[signature]	6/18/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1300	FED EX	[signature]	6-19-08 1330
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\O-G_ASB-SVLs-PESs-MET-DXNsDRY08COC.wpd

APPENDIX A

Toxic Pollutant and Pesticide Monitoring, June Sampling

A2 Asbestos

Solar Environmental Services, Inc. and EMSL Analytical, Inc.

JUNE SAMPLING, ASBESTOS, SES AND EMSL SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08ASB001	INFLUENT	SAMPLE
MOA08ASB002	EFFLUENT	SAMPLE
MOA08ASB003	SLUDGE	SAMPLE

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4960 Email: westmontasblab@EMSL.com

Attn: **Grace Torrijos**
Solar Environmental Services, Inc.
7401 Meadow Street
Anchorage, AK 99507

Fax: (907) 349-7944 Phone: (907) 349-7705
Project: **KINNETIC-MOD 516.01**

Customer ID:	SOLA50
Customer PO:	1854 06300J
Received:	07/02/08 9:25 AM
EMSL Order:	040816461
EMSL Proj:	
Analysis Date:	7/11/2008
Report Date:	7/11/2008

Determination of Asbestos Structures over 10um in Length in Waste Water Performed by the EPA 100.2 Method

Sample ID	Sample Prep Date	# Fibers Asbestos	# Fibers Non-Asbestos	Type(s) Of Asbestos	Analytical Sensitivity (MFL)	Confidence Limits	Concentration Of Asbestos Fibers (MFL)	Comments
MOA08ASB001 *040816461-0001*	7/2/2008	0	0		100.00	0.00-370.00	<100.00	
MOA08ASB002 *040816461-0002*	7/2/2008	0	0		100.00	0.00-370.00	<100.00	

Analyst(s)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Solar Environmental Services, Inc.

7401 Meadow Street
Anchorage, AK 99507
Home Page: www.solar-environmental.com

Phone: (907) 349-7705
Fax: (907) 349-7944
E-mail: sesenvir@alaska.net

CERTIFICATE OF ANALYSIS

CLIENT:	Kinnetic Laboratories, Inc.	**CLIENT ORDER #:**	194019
ATTN:	Tim Mayers 1102 West 7th Avenue Anchorage, Alaska 99501	**PROJECT NAME:**	516.01
		PROJECT #:	AK08-1006
		REPORT #:	PLM 1855 070208
		REPORT DATE:	July 11, 2008
		COLLECTED BY:	Client
		DATE SAMPLED:	June 18, 2008
		DATE RECEIVED:	June 19, 2008
		DATE ANALYZED:	July 12, 2008
		ANALYZED BY:	EMSL
PAGE:	1of 1		

ASBESTOS QUALITATIVE DUST ANALYSIS SUMMARY

POLARIZED LIGHT MICROSCOPY (PLM) WITH DISPERSION STAINING

Lab.#	Client#	Location/ Description (color)	Asbestos Present	Notes
040816805-001	MOA08ASB003	Sludge (Gray)	None Detected	

End of Report

Test report relates only to the items tested and must not be used by client to claim product endorsement by NVLAP or any Agency of the U.S. Government. Test Report must not be reproduced except in full without the approval of SES and subject to SES general terms and conditions. Small fibers may be missed by PLM Method due to resolution limitations of the optical microscope. Therefore, None Detected results cannot be guaranteed. Electron Microscopy is recommended for confirmation. This is not covered by NVLAP.

REVIEWED AND APPROVED BY: Gracita O. Torrijos, Chemist – I.H.

Date: 7/17/08

FORM# SES 1031-REVISED 08/07/96

AIHA – AAR – PAT Certified

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Solar Environmental Services 7401 Meadow Street Anchorage, AK 99507 Attn: Grace Torrijos (907)349-7705	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1006	**KLI Proj. #:** 516.01

ANALYSIS TYPE: ASBESTOS TEM. Method detection limit to be determined.

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08ASB001	Influent	1	6/17-6/18	0900-0900		
MOA08ASB002	Effluent	1	↓	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/18/8 1030			6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	6/19/08 1215			6/19/08 1215
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\O-G_ASB-SVLs-PESs-MET-DXNsDRY08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Solar Environmental Services 7401 Meadow Street Anchorage, AK 99507 Attn: Grace Torrijos (907)349-7705	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1006	**KLI Proj. #:** 516.01

ANALYSIS TYPE: ASBESTOS PLM. Method detection limit to be determined.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08ASB003	Sludge	1	6/18/0	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1030	[illegible]	[illegible]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1215	[illegible]	[illegible]	6/19/08 1215
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

APPENDIX A

Toxic Pollutant and Pesticide Monitoring, June Sampling

A3 Enterococci

Spectra Laboratories

JUNE SAMPLING, ENTEROCOCCI, SPECTRA LABORATORIES SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08ENT001	EFFLUENT REP-1	SAMPLE
MOA08ENT002	EFFLUENT REP-2	SAMPLE

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/19/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

P.O.#: AK08-1005
Project: 516.01/Enterococci
Sample Matrix: Water
Date Sampled: 06/17/2008
Date Received: 06/18/2008
Spectra Project: 2008060351

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08ENT001/Rep1	1	Entercocci by MPN	8	MPN/100ml	SM 9230B
MOA08ENT001/Rep2	2	Entercocci by MPN	13	MPN/100ml	SM 9230B
MOA08ENT002/Rep1	3	Entercocci by MPN	2	MPN/100ml	SM 9230B
MOA08ENT002/Rep2	4	Entercocci by MPN	< 2	MPN/100ml	SM 9230B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/snb

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1005	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Enterococci by MPN (SM 9230B)

MATRIX: Water	**Preservative:** 4°C Effluent samples contain $Na_2S_2O_3$	**Type of Container:** 125-mL Bac-T bottles

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08ENT001	Effluent-1	2	6/17/8	1206		
MOA08ENT002	Effluent-2	2	↓	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/8 1535	[illegible]	[illegible]	6/17/08 1555
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/17/08 2015	Gold Star AK	[illegible]	6/18/08 [illegible]
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

APPENDIX B

Toxic Pollutant and Pesticide Monitoring, August Sampling

B1 Oil & Grease, Cyanide, Metals, Priority Pollutants, Dioxin, Pesticides, and Hydrocarbons

TestAmerica Laboratories, Inc.

AUGUST SAMPLING, OIL&GREASE, CYANIDE AND METALS
TESTAMERICA SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08O&G003	INFLUENT	SAMPLE
MOA08O&G004	EFFLUENT	SAMPLE
MOA08TCN015	INFLUENT	SAMPLE
MOA08TCN016	EFFLUENT	SAMPLE
MOA08TCN017	INFLUENT	SAMPLE
MOA08TCN018	EFFLUENT	SAMPLE
MOA08TCN019	INFLUENT	SAMPLE
MOA08TCN020	EFFLUENT	SAMPLE
MOA08MET008	INFLUENT	SAMPLE
MOA08MET009	EFFLUENT	SAMPLE
MOA08MET010	SLUDGE	SAMPLE
MOA08MET011	INFLUENT	SAMPLE
MOA08MET012	EFFLUENT	SAMPLE
MOA08MET013	INFLUENT	SAMPLE
MOA08MET014	EFFLUENT	SAMPLE

AUGUST SAMPLING, PRIORITY POLLUTANTS, DIOXIN, PESTICIDES, AND HYDROCARBONS, TESTAMERICA SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08VOP020 - 027	INFLUENT	SAMPLE (COMPOSITE)
MOA08VOP028 - 035 *	EFFLUENT	SAMPLE (COMPOSITE)
MOA08VOP036	C-STATION	FIELD BLANK
MOA08VOP037	TRIP BLANK	TRIP BLANK
MOA08VOP038	SLUDGE	SAMPLE
MOA08DXN004	INFLUENT	SAMPLE
MOA08DXN005	EFFLUENT	SAMPLE
MOA08DXN006	SLUDGE	SAMPLE
MOA08SVL004	INFLUENT	SAMPLE
MOA08SVL005	EFFLUENT	SAMPLE
MOA08SVL006	SLUDGE	SAMPLE
MOA08PES005	INFLUENT	SAMPLE
MOA08PES006	EFFLUENT	SAMPLE
MOA08PES007	SLUDGE	SAMPLE
MOA08PST004	INFLUENT	SAMPLE
MOA08PST005	EFFLUENT	SAMPLE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8H140359

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

September 4, 2008

This report shall not be reproduced except in full, without the written approval of the laboratory

Table of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *(The **Report Cover** page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*	235

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Chain-of-Custody**

CASE NARRATIVE
D8H140359

The following report contains the analytical results for twenty-three samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received August 14, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at cooler temperatures of 2.7°C, 4.8°C, 2.8°C and 2.8°C. Please note, there were no custody seals on the cooler when it arrived. The client was notified on August 15, 2008.

The samples for the Method 8280A TCDD analyses were subcontracted to TestAmerica West Sacramento; 880 Riverside Parkway, West Sacramento, California 95605
The samples for the Method 8280A TCDD analyses were received at the laboratory in good condition at a cooler temperature of 5.2°C.

No other anomalies were observed.

GC/MS Volatiles– Method 624/8260B
Surrogate 1,2-Dichloroethane-d4 for method 624 was recovered above the QC limits in sample MOA08VOP036 and MOA08VOP037. This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations for constituents associated with this surrogate, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

Sample MOA08VOP038 was analyzed at a dilution due to high concentrations of target compounds. Reporting limits have been adjusted relative to the dilution required.

Low levels of Methylene Chloride are present in the method blank associated with QC batches 8233335 and 8240472. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in

the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Acrolein was recovered outside the QC limits, biased high, in the Initial Calibration Verification (ICV) standard for batch 8240472 and batch 8233335. This is an indicator that data may be biased high. As no detectable concentrations of Acrolein are present in the associated samples, corrective action is deemed unnecessary.The laboratory has been unable to find an acceptable second source for acrolein. The laboratory has tested various standards, and has been unable to locate standards that will verify each other. In addition, vendors will not certify their standards for this compound due to the fact that it is know to easily polymerize.

2-Chloroethyl vinyl ether was recovered outside the QC limits, biased low, in the Initial Calibration Verification (ICV) standard in batch 8240472. This is an indicator that data may be biased low. This compound is a known poor performer and still meets the criteria for Method 624. As no detectable concentrations of 2-Chloroethyl vinyl ether are present in the associated samples, corrective action is deemed unnecessary.

The LCS for method 624 exhibited a percent recovery above the QC limits for Acrolein. This is an indicator that data may be biased high. As no detectable concentrations are present in the associated samples, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

Laboratory generated MS/MSD analysis data have been provided in batch 8233335. The MS/MSD for method 624 exhibited spike compound recoveries outside the QC limits for Acrolein and 2-Chloroethyl vinyl ether. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided in batch 8240472. The MS/MSD for method 624 exhibited spike compound recoveries outside the QC limits for Acrolein. All of the samples were non-detect; therefore, corrective action is deemed unnecessary.

Laboratory generated MS/MSD analysis data have been provided in batch 8240472. The MS/MSD for method 624 exhibited RPD recoveries outside the QC limits for Acetone. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Low levels of Methylene Chloride, 1,2-Dichlorobenzene, and 1,3-Dichlorobenzene are present in the method blank associated with QC batch 8231462. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Laboratory generated MS/MSD analysis data have been provided in batch 8231462. The MS/MSD for method 8260B exhibited spike compound recoveries outside the QC limits for 1,3-Dichlorobenzene, Ethylbenzene, and Tetrachloroethene. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles– Method 625/8270C

Samples MOA08SVL004, MOA08SVL005, and MOA08SVL006 were analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 625 could not be calculated for samples MOA08SVL004 and MOA08SVL005, because the extract was diluted beyond the ability to quantitate a recovery.

The surrogate recovery for method 8270 could not be calculated for sample MOA08SVL006, because the extract was diluted beyond the ability to quantitate a recovery.

Laboratory generated MS analysis data have been provided in batch 8232166. The MS for method 625 exhibited spike compound recoveries outside the QC limits for 3,3'-Dichlorobenzene and Benzidine. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

The method required MS/MSD could not be performed for batch 8228143, due to insufficient sample volume submitted. The acceptable LCS analyte recoveries provide evidence that the laboratory is performing the method within acceptable guidelines.

Low levels of bis(2-Ethylhexyl) phthalate are present in the method blank associated with QC batch 8232471. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

No other anomalies were observed.

GC Semivolatiles– Method 608/8081A/8082

Surrogate Decachlorobiphenyl for method 608 was recovered above the QC limits in sample MOA08PES005. This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations for constituents associated with this surrogate, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

The RPD between the primary and confirmation columns exceeded 40% for alpha-BHC and beta-BHC in sample MOA08PES006. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

The RPD between the primary and confirmation columns exceeded 40% for Endosulfan sulfate in sample MOA08PES007. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

Surrogate Decachlorobiphenyl for method 8081A was recovered below the QC limits in samples MOA08PES007. This anomaly is due to obvious matrix interferences; therefore, corrective action is deemed unnecessary. Sample data should be considered biased low.

MS/MSD analyses were performed on sample MOA08PES006. The MS/MSD for method 625 exhibited spike compound recoveries outside the QC limits for 4,4'-DDE, Dieldrin, gamma-chlordane. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.
The LCS/LCSD for method 8081A exhibited RPD data outside the QC limits for delta-BHC and Endosulfan sulfate. The individual LCS and LCSD recoveries were acceptable; however the LCS was recovered at the low end of the recovery limit range and the LCSD was recovered at the high end of the recovery limit range, causing the RPD to be out of control. The acceptable LCS/LCSD analyte recoveries indicate that the laboratory performed the method within acceptable guidelines; therefore, corrective action is deemed unnecessary.

Duplicate LCSs were prepared in batch 8234123. Recoveries for one of the pair were below lower control limits for Endrin Aldehyde. Because the LCS or LCSD was within control limits and associated samples were ND, corrective action was not taken.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8234123 exhibited %Difference (%D) values out of range for the following:
Primary Column: Heptachlor, 4,4'-DDD, Endosulfan II, Endrin aldehyde, Endosulfan sulfate
Secondary Column: Heptachlor and Endrin Aldehyde.
Sample MOA08PES007 included a hit for Endosulfan Sulfate, which was reported from the secondary column where it was in control. All other sample results were non-detect. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

Surrogate Tetrachloro-m-xylene for method 8082 was recovered below the QC limits in the sample MOA08PES007 MS/MSD analyses. This anomaly is due to obvious matrix interferences; therefore, corrective action is deemed unnecessary. Sample data should be considered biased low.

No other anomalies were observed.

GC Semivolatiles– Method 614/8141A

Sample MOA08PES007 was analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 8141A could not be calculated for sample MOA08PES007, because the extract was diluted beyond the ability to quantitate a recovery.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8231470 exhibited %Difference (%D) values out of range for Azinphos-methyl on the confirmation column. The overall mean %D is within control limits and associated samples were non-detect; therefore, method criteria have been met and corrective action is deemed unnecessary.

The LCS for method 8141A exhibited a percent recovery above the QC limits for Dichlorvos. This is an indicator that data may be biased high. As no detectable concentrations are present in the associated samples, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

The Continuing Calibration Verification (CCV) standard(s) associated with samples in batch 8229097 exhibited %Difference (%D) values out of range for the following:
Primary Column: Mevinphos, Naled/Sulfotepp, Dimethoate, Methyl Parathion, Malathion, Parathion, Tetrachlorvinphos, EPN, Famphur, Azinphos-methyl, and Coumaphos
Confirmation Column: Mevinphos, Naled, Methyl parathion, Tetrachlorvinphos, EPN, Azinphos-methyl, and Coumaphos
The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the laboratory generated MS/MSD in batch 8229097, because the sample was diluted beyond the ability to quantitate recoveries.

No other anomalies were observed.

2,3,7,8-TCDD, EPA Method 8280A

The method required MS/MSDs could not be performed for the samples in batch 8240475 or 8240473 due to insufficient sample volume submitted.

No other anomalies were observed.

Total Metals – Method 200.8/245.1/6020/7471A

The Serial dilution performed on sample MOA08MET010 indicates that physical and chemical interferences are present for Nickel in analytical batch 8239129. Results in the analytical report have been flagged with an "L".

Low levels of Chromium and Zinc are present in the method blank associated with QC batch 8231167. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Low levels of Selenium are present in the method blank associated with QC batch 8239129. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Percent recoveries and RPD data could not be calculated on sample MOA08MET010 Zinc MS/MSD in batch 8239129, due to the sample concentration reading greater than four times the spike amount.

The MS/MSD analysis performed on sample MOA08MET010 data have been provided in batch 8239129. The MS/MSD for method 6020 exhibited spike recoveries outside the QC limits for Antimony and Copper. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1

No anomalies were observed.

General Chemistry – Various

Low levels of Oil and Grease are present in the method blank associated with QC batch 8234347. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

The MS/MSD analysis performed on sample MOA08MET010 data have been provided in batch 8240523. The MS/MSD for Total Cyanide exhibited spike recoveries outside the QC limits for. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08VOP020-27 08/13/08 05:50 001				
Xylenes (total)	2.1 J	10	ug/L	CFR136A 624
Chloroform	2.2 J	5.0	ug/L	CFR136A 624
1,4-Dichlorobenzene	0.92 J	5.0	ug/L	CFR136A 624
Methylene chloride	6.1 B	5.0	ug/L	CFR136A 624
Tetrachloroethene	0.92 J	5.0	ug/L	CFR136A 624
Toluene	4.5 J	5.0	ug/L	CFR136A 624
MOA08VOP028-35 08/13/08 06:00 002				
Xylenes (total)	2.6 J	10	ug/L	CFR136A 624
Chloroform	3.0 J	5.0	ug/L	CFR136A 624
1,4-Dichlorobenzene	0.96 J	5.0	ug/L	CFR136A 624
Methylene chloride	7.7 B	5.0	ug/L	CFR136A 624
Toluene	6.4	5.0	ug/L	CFR136A 624
MOA08PES006 08/13/08 07:00 006				
alpha-BHC	0.0082	0.050	ug/L	CFR136A 608
	Qualifiers: J,COL			
beta-BHC	0.036	0.050	ug/L	CFR136A 608
	Qualifiers: J,COL			
MOA08SVL006 08/13/08 06:00 007				
bis(2-Ethylhexyl) phthalate	20000 J,B	25000	ug/kg	SW846 8270C
Percent Moisture	69	0.10	%	MCAWW 160.3 MOD
MOA08PES007 08/13/08 06:00 008				
Endosulfan sulfate	8.7 COL	7.0	ug/kg	SW846 8081A
Percent Moisture	76	0.10	%	MCAWW 160.3 MOD
MOA08MET010 08/13/08 06:00 009				
Silver	7100	340	ug/kg	SW846 6020
Arsenic	5400	2000	ug/kg	SW846 6020
Beryllium	140 B	340	ug/kg	SW846 6020
Cadmium	1800	340	ug/kg	SW846 6020
Chromium	13000	680	ug/kg	SW846 6020
Copper	240000	850	ug/kg	SW846 6020
Molybdenum	5600	680	ug/kg	SW846 6020
Nickel	12000 L	510	ug/kg	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET010 08/13/08 06:00 009				
Lead	21000	510	ug/kg	SW846 6020
Antimony	1500	680	ug/kg	SW846 6020
Selenium	3800 J	1700	ug/kg	SW846 6020
Thallium	71 B	340	ug/kg	SW846 6020
Zinc	690000	3400	ug/kg	SW846 6020
Mercury	620	58	ug/kg	SW846 7471A
Total Cyanide	0.42 B	1.7	mg/kg	SW846 9010B/9012A
Percent Solids	29	0.10	%	SM18 2540B
Percent Moisture	71	0.10	%	MCAWW 160.3 MOD
MOA08VOP038 08/13/08 06:00 010				
1,2-Dichlorobenzene	14 J,B	69	ug/kg	SW846 8260B
1,4-Dichlorobenzene	63 J	69	ug/kg	SW846 8260B
Ethylbenzene	21 J	69	ug/kg	SW846 8260B
Methylene chloride	21 J,B	69	ug/kg	SW846 8260B
Tetrachloroethene	41 J	69	ug/kg	SW846 8260B
Toluene	490	69	ug/kg	SW846 8260B
Xylenes (total)	110	69	ug/kg	SW846 8260B
Percent Moisture	64	0.10	%	MCAWW 160.3 MOD
MOA08MET008 08/13/08 07:00 011				
Silver - DISSOLVED	0.31 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	0.57 B	5.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.67 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	3.0	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	7.9	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	1.2 B	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.8	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.24 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.21 B	2.0	ug/L	MCAWW 200.8
Selenium - DISSOLVED	2.1 B	5.0	ug/L	MCAWW 200.8
Thallium - DISSOLVED	0.036 B	1.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	14	10	ug/L	MCAWW 200.8
Mercury	0.11 B	0.20	ug/L	MCAWW 245.1
Silver	1.8	1.0	ug/L	MCAWW 200.8
Arsenic	2.1 B	5.0	ug/L	MCAWW 200.8
Cadmium	6.8	1.0	ug/L	MCAWW 200.8
Chromium	3.9 J	3.0	ug/L	MCAWW 200.8
Copper	60	2.0	ug/L	MCAWW 200.8
Molybdenum	4.5	2.0	ug/L	MCAWW 200.8
Nickel	4.2	2.0	ug/L	MCAWW 200.8

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EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET008 08/13/08 07:00 011				
Lead	4.0	1.0	ug/L	MCAWW 200.8
Antimony	0.48 B	2.0	ug/L	MCAWW 200.8
Selenium	1.6 B	5.0	ug/L	MCAWW 200.8
Zinc	170 J	10	ug/L	MCAWW 200.8
MOA08MET009 08/13/08 07:00 012				
Silver - DISSOLVED	0.59 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	2.2 B	5.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	3.5	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	15	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	4.2	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.8	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.64 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.33 B	2.0	ug/L	MCAWW 200.8
Selenium - DISSOLVED	2.5 B	5.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	27	10	ug/L	MCAWW 200.8
Mercury	0.041 B	0.20	ug/L	MCAWW 245.1
Silver	1.4	1.0	ug/L	MCAWW 200.8
Arsenic	2.2 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.60 B	1.0	ug/L	MCAWW 200.8
Chromium	2.2 B,J	3.0	ug/L	MCAWW 200.8
Copper	37	2.0	ug/L	MCAWW 200.8
Molybdenum	4.5	2.0	ug/L	MCAWW 200.8
Nickel	3.2	2.0	ug/L	MCAWW 200.8
Lead	2.3	1.0	ug/L	MCAWW 200.8
Antimony	0.47 B	2.0	ug/L	MCAWW 200.8
Zinc	110 J	10	ug/L	MCAWW 200.8
MOA08TCN016 08/13/08 07:00 014				
Total Cyanide	0.0069 B	0.010	mg/L	SM18 4500-CN E
MOA08SVL004 08/13/08 07:00 015				
Diethyl phthalate	8.1 J	200	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	26 J	100	ug/L	CFR136A 625
Phenol	30 J	100	ug/L	CFR136A 625

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EXECUTIVE SUMMARY - Detection Highlights

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PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08SVL005 08/13/08 07:00 016				
Diethyl phthalate	7.8 J	200	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	14 J	100	ug/L	CFR136A 625
Phenol	25 J	100	ug/L	CFR136A 625
MOA08O&G003 08/13/08 07:00 017				
HEM (Oil and Grease)	50 J	5.0	mg/L	CFR136A 1664A HEM
MOA08O&G004 08/13/08 07:00 018				
HEM (Oil and Grease)	32 J	5.0	mg/L	CFR136A 1664A HEM
MOA08DXN006 08/13/08 06:00 023				
Percent Moisture	71	0.10	%	ASTM D 2216-90

METHODS SUMMARY

D8H140359

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Base/Neutrals and Acids	CFR136A 625	CFR136A 625
Dioxins/Furans, HRGC/LRMS (8280A)	SW846 8280A	SW846 8280A
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Method for Determination of Water Content of Soil	ASTM D 2216-90	ASTM D2216-90
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	CFR136A 1664
Organochlorine Pesticides	SW846 8081A	SW846 3550B
Organochlorine Pesticides and PCBs	CFR136A 608	CFR136A 608
Organophosphorous Compounds by GC	SW846 8141A	
Organophosphorus Pests. by GC	MCAWW 614	MCAWW 614
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Purgeables	CFR136A 624	CFR136A 624
PCBs by SW-846 8082	SW846 8082	SW846 3550B/366
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Total cyanide	SM18 4500-CN E	SM18 4500-CN E
Total Cyanide	SW846 9010B/901	SW846 9010B
Total Solids	SM18 2540B	SM18 2540 B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

ASTM — Annual Book Of ASTM Standards.

CFR136A — "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 — "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

METHOD / ANALYST SUMMARY

D8H140359

ANALYTICAL METHOD	ANALYST	ANALYST ID
ASTM D 2216-90		892
CFR136A 1664A HEM	Erica Arteaga	005682
CFR136A 608	Karla Vasquez	010205
CFR136A 608	Teresa L. Williams	002510
CFR136A 624	Jon Laviolette	006191
CFR136A 625	Daniel Kiekel	011370
MCAWW 160.3 MOD	Erica Arteaga	005682
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	9582
MCAWW 614	Teresa L. Williams	002510
SM18 2540B	Erica Arteaga	005682
SM18 4500-CN E	Eva Jonska-Muteba	004988
SW846 6020	Thomas Lill	006929
SW846 7471A	Christopher Grisdale	9582
SW846 8081A	Karla Vasquez	010205
SW846 8082	Teresa L. Williams	002510
SW846 8141A	Teresa L. Williams	002510
SW846 8260B	Dan Appelhans	001008
SW846 8270C	Mike G. Hoffman	001880
SW846 8280A	Mark Onishi	001984
SW846 9010B/9012A	Ewa Kudla	001167

References:

ASTM Annual Book Of ASTM Standards.

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

SAMPLE SUMMARY

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WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KT6R7	001	MOA08VOP020-27	08/13/08	05:50
KT6TC	002	MOA08VOP028-35	08/13/08	06:00
KT6TD	003	MOA08VOP036	08/13/08	09:35
KT6TE	004	MOA08VOP037	08/13/08	
KT6TF	005	MOA08PES005	08/13/08	07:00
KT6TG	006	MOA08PES006	08/13/08	07:00
KT6TH	007	MOA08SVL006	08/13/08	06:00
KT6TJ	008	MOA08PES007	08/13/08	06:00
KT6TK	009	MOA08MET010	08/13/08	06:00
KT6TL	010	MOA08VOP038	08/13/08	06:00
KT6TM	011	MOA08MET008	08/13/08	07:00
KT6TN	012	MOA08MET009	08/13/08	07:00
KT6TP	013	MOA08TCN015	08/13/08	07:00
KT6TQ	014	MOA08TCN016	08/13/08	07:00
KT6TR	015	MOA08SVL004	08/13/08	07:00
KT6T0	016	MOA08SVL005	08/13/08	07:00
KT6T1	017	MOA08O&G003	08/13/08	07:00
KT6T3	018	MOA08O&G004	08/13/08	07:00
KT6T4	019	MOA08PST004	08/13/08	07:00
KT6T7	020	MOA08PST005	08/13/08	07:00
KT6T9	021	MOA08DXN004	08/13/08	07:00
KT6VE	022	MOA08DXN005	08/13/08	07:00
KT6VG	023	MOA08DXN006	08/13/08	06:00

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP020-27

GC/MS Volatiles

Lot-Sample #...: D8H140359-001 **Work Order #...:** KT6R71AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 05:50 **Date Received..:** 08/14/08
Prep Date.....: 08/26/08 **Analysis Date..:** 08/27/08
Prep Batch #...: 8240472 **Analysis Time..:** 00:24
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	**2.1 J**	**10**	**ug/L**	**1.4**
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	**2.2 J**	**5.0**	**ug/L**	**1.1**
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	**0.92 J**	**5.0**	**ug/L**	**0.56**
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	**6.1 B**	**5.0**	**ug/L**	**0.58**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	**0.92 J**	**5.0**	**ug/L**	**0.72**
Toluene	**4.5 J**	**5.0**	**ug/L**	**0.92**
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(73 - 122)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	93	(80 - 120)

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.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP028-35

GC/MS Volatiles

Lot-Sample #...: D8H140359-002 **Work Order #...:** KT6TC1AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/26/08 **Analysis Date..:** 08/27/08
Prep Batch #...: 8240472 **Analysis Time..:** 00:46
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	**2.6 J**	**10**	**ug/L**	**1.4**
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	**3.0 J**	**5.0**	**ug/L**	**1.1**
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	**0.96 J**	**5.0**	**ug/L**	**0.56**
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	**7.7 B**	**5.0**	**ug/L**	**0.58**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	**6.4**	**5.0**	**ug/L**	**0.92**
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(73 - 122)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	100	(80 - 120)

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.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP036

GC/MS Volatiles

Lot-Sample #...: D8H140359-003 **Work Order #...:** KT6TD1AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 09:35 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8233335 **Analysis Time..:** 03:55
Dilution Factor: 1

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	10	ug/L	1.4
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	ND	5.0	ug/L	1.1
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	ND	5.0	ug/L	0.58
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	ND	5.0	ug/L	0.92
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	141 *	(73 - 122)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	102	(80 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP037

GC/MS Volatiles

Lot-Sample #...: D8H140359-004
Date Sampled...: 08/13/08
Prep Date.....: 08/19/08
Prep Batch #...: 8233335
Dilution Factor: 1

Work Order #...: KT6TE1AA
Date Received..: 08/14/08
Analysis Date..: 08/20/08
Analysis Time..: 04:18

Matrix.....: WATER

Method.....: CFR136A 624

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Xylenes (total)	ND	10	ug/L	1.4
Benzene	ND	5.0	ug/L	0.68
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	0.48
Bromomethane	ND	10	ug/L	0.47
Carbon tetrachloride	ND	5.0	ug/L	0.56
Chlorobenzene	ND	5.0	ug/L	0.70
Chloroethane	ND	10	ug/L	2.0
Chloroform	ND	5.0	ug/L	1.1
Chloromethane	ND	10	ug/L	0.89
Dibromochloromethane	ND	5.0	ug/L	0.71
1,2-Dichlorobenzene	ND	5.0	ug/L	1.3
1,3-Dichlorobenzene	ND	5.0	ug/L	0.55
1,4-Dichlorobenzene	ND	5.0	ug/L	0.56
1,1-Dichloroethane	ND	5.0	ug/L	1.0
1,2-Dichloroethane	ND	5.0	ug/L	0.66
1,1-Dichloroethene	ND	5.0	ug/L	1.0
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.71
1,2-Dichloropropane	ND	5.0	ug/L	0.86
cis-1,3-Dichloropropene	ND	5.0	ug/L	2.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.66
Ethylbenzene	ND	5.0	ug/L	0.60
Methylene chloride	ND	5.0	ug/L	0.58
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	1.2
Tetrachloroethene	ND	5.0	ug/L	0.72
Toluene	ND	5.0	ug/L	0.92
1,1,1-Trichloroethane	ND	5.0	ug/L	1.1
1,1,2-Trichloroethane	ND	5.0	ug/L	1.2
Trichloroethene	ND	5.0	ug/L	0.95
Trichlorofluoromethane	ND	10	ug/L	3.9
Vinyl chloride	ND	10	ug/L	1.3
2-Chloroethyl vinyl ether	ND	5.0	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	143 *	(73 - 122)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	105	(80 - 120)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP038

GC/MS Volatiles

Lot-Sample #...: D8H140359-010 **Work Order #...:** KT6TL1AC **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/15/08 **Analysis Date..:** 08/15/08
Prep Batch #...: 8231462 **Analysis Time..:** 17:24
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Chloroethyl vinyl ether	ND	690	ug/kg	69
Benzene	ND	69	ug/kg	6.5
Bromodichloromethane	ND	69	ug/kg	3.1
Bromoform	ND	69	ug/kg	3.2
Bromomethane	ND	140	ug/kg	6.9
Carbon tetrachloride	ND	69	ug/kg	8.8
Chlorobenzene	ND	69	ug/kg	7.5
Chloroethane	ND	140	ug/kg	12
Chloroform	ND	140	ug/kg	4.0
Chloromethane	ND	140	ug/kg	11
1,2-Dichlorobenzene	**14 J,B**	**69**	**ug/kg**	**6.2**
1,3-Dichlorobenzene	ND	69	ug/kg	6.7
1,4-Dichlorobenzene	**63 J**	**69**	**ug/kg**	**11**
1,1-Dichloroethane	ND	69	ug/kg	2.9
1,2-Dichloroethane	ND	69	ug/kg	9.7
1,1-Dichloroethene	ND	69	ug/kg	8.2
trans-1,2-Dichloroethene	ND	35	ug/kg	5.4
1,2-Dichloropropane	ND	69	ug/kg	7.6
cis-1,3-Dichloropropene	ND	69	ug/kg	18
trans-1,3-Dichloropropene	ND	69	ug/kg	9.3
Ethylbenzene	**21 J**	**69**	**ug/kg**	**9.3**
Methylene chloride	**21 J,B**	**69**	**ug/kg**	**10**
1,1,2,2-Tetrachloroethane	ND	69	ug/kg	8.5
Tetrachloroethene	**41 J**	**69**	**ug/kg**	**8.2**
Toluene	**490**	**69**	**ug/kg**	**9.6**
1,1,1-Trichloroethane	ND	69	ug/kg	7.2
1,1,2-Trichloroethane	ND	69	ug/kg	12
Trichloroethene	ND	69	ug/kg	3.2
Trichlorofluoromethane	ND	140	ug/kg	14
Vinyl chloride	ND	69	ug/kg	19
Xylenes (total)	**110**	**69**	**ug/kg**	**8.5**
Dibromochloromethane	ND	69	ug/kg	7.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(10 - 179)
1,2-Dichloroethane-d4	99	(60 - 143)
4-Bromofluorobenzene	97	(59 - 129)
Toluene-d8	104	(68 - 134)

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP038

GC/MS Volatiles

Lot-Sample #...: D8H140359-010 **Work Order #...:** KT6TL1AC **Matrix.....:** SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL004

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-015 **Work Order #...:** KT6TR1AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/15/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8228143 **Analysis Time..:** 14:51
Dilution Factor: 10

Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(a)pyrene	ND	100	ug/L	3.1
Benzo(b)fluoranthene	ND	100	ug/L	5.3
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(k)fluoranthene	ND	100	ug/L	4.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	200	ug/L	10
bis(2-Chloroethoxy) methane	ND	100	ug/L	9.7
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	2.8
4-Chloro-3-methylphenol	ND	200	ug/L	9.0
2-Chloronaphthalene	ND	100	ug/L	2.6
2-Chlorophenol	ND	100	ug/L	20
4-Chlorophenyl phenyl ether	ND	100	ug/L	2.7
Chrysene	ND	100	ug/L	5.4
Dibenz(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	200	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.3
1,3-Dichlorobenzene	ND	100	ug/L	3.0
1,4-Dichlorobenzene	ND	100	ug/L	3.2
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	6.4
Diethyl phthalate	**8.1 J**	**200**	**ug/L**	**3.8**
2,4-Dimethylphenol	ND	100	ug/L	5.8
Dimethyl phthalate	ND	200	ug/L	2.1
2-Methyl-4,6-dinitro-phenol	ND	600	ug/L	40
2,4-Dinitrophenol	ND	600	ug/L	100
2,4-Dinitrotoluene	ND	200	ug/L	2.2
2,6-Dinitrotoluene	ND	200	ug/L	3.2

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL004

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-015 **Work Order #...:** KT6TR1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-octyl phthalate	ND	200	ug/L	3.5
bis(2-Ethylhexyl) phthalate	**26 J**	**100**	**ug/L**	**5.6**
Fluoranthene	ND	200	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	ND	100	ug/L	2.9
Nitrobenzene	ND	200	ug/L	8.1
2-Nitrophenol	ND	200	ug/L	3.9
4-Nitrophenol	ND	500	ug/L	12
N-Nitrosodi-n-propyl-amine	ND	200	ug/L	3.5
Pentachlorophenol	ND	600	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**30 J**	**100**	**ug/L**	**20**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	2.8
2,4,6-Trichloro-phenol	ND	200	ug/L	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL005

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-016 **Work Order #...:** KT6T01AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8232166 **Analysis Time..:** 14:51
Dilution Factor: 10

Method.....: CFR136A 625

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	100	ug/L	2.8
Acenaphthylene	ND	100	ug/L	4.9
Anthracene	ND	100	ug/L	4.2
Benzo(a)anthracene	ND	100	ug/L	3.5
Benzo(a)pyrene	ND	100	ug/L	3.1
Benzo(b)fluoranthene	ND	100	ug/L	5.3
Benzo(ghi)perylene	ND	100	ug/L	5.0
Benzo(k)fluoranthene	ND	100	ug/L	4.6
4-Bromophenyl phenyl ether	ND	100	ug/L	4.3
Butyl benzyl phthalate	ND	200	ug/L	10
bis(2-Chloroethoxy) methane	ND	100	ug/L	9.7
bis(2-Chloroethyl)-ether	ND	100	ug/L	4.1
bis(2-Chloroisopropyl) ether	ND	100	ug/L	2.8
4-Chloro-3-methylphenol	ND	200	ug/L	9.0
2-Chloronaphthalene	ND	100	ug/L	2.6
2-Chlorophenol	ND	100	ug/L	20
4-Chlorophenyl phenyl ether	ND	100	ug/L	2.7
Chrysene	ND	100	ug/L	5.4
Dibenz(a,h)anthracene	ND	100	ug/L	5.1
Di-n-butyl phthalate	ND	200	ug/L	12
1,2-Dichlorobenzene	ND	100	ug/L	2.3
1,3-Dichlorobenzene	ND	100	ug/L	3.0
1,4-Dichlorobenzene	ND	100	ug/L	3.2
3,3'-Dichlorobenzidine	ND	500	ug/L	20
2,4-Dichlorophenol	ND	100	ug/L	6.4
Diethyl phthalate	**7.8 J**	**200**	**ug/L**	**3.8**
2,4-Dimethylphenol	ND	100	ug/L	5.8
Dimethyl phthalate	ND	200	ug/L	2.1
2-Methyl-4,6-dinitro-phenol	ND	600	ug/L	40
2,4-Dinitrophenol	ND	600	ug/L	100
2,4-Dinitrotoluene	ND	200	ug/L	2.2
2,6-Dinitrotoluene	ND	200	ug/L	3.2

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL005

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-016 **Work Order #...:** KT6T01AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-octyl phthalate	ND	200	ug/L	3.5
bis(2-Ethylhexyl) phthalate	**14 J**	**100**	**ug/L**	**5.6**
Fluoranthene	ND	200	ug/L	2.0
Fluorene	ND	100	ug/L	3.1
Hexachlorobenzene	ND	100	ug/L	6.6
Hexachlorobutadiene	ND	100	ug/L	5.1
Hexachloroethane	ND	100	ug/L	4.6
Indeno(1,2,3-cd)pyrene	ND	100	ug/L	6.5
Isophorone	ND	100	ug/L	2.1
Naphthalene	ND	100	ug/L	2.9
Nitrobenzene	ND	200	ug/L	8.1
2-Nitrophenol	ND	200	ug/L	3.9
4-Nitrophenol	ND	500	ug/L	12
N-Nitrosodi-n-propyl-amine	ND	200	ug/L	3.5
Pentachlorophenol	ND	600	ug/L	200
Phenanthrene	ND	100	ug/L	2.6
Phenol	**25 J**	**100**	**ug/L**	**20**
Pyrene	ND	100	ug/L	3.7
1,2,4-Trichloro-benzene	ND	100	ug/L	2.8
2,4,6-Trichloro-phenol	ND	200	ug/L	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(49 - 120)
Phenol-d5	NC,DIL	(54 - 120)
Nitrobenzene-d5	NC,DIL	(56 - 120)
2-Fluorobiphenyl	NC,DIL	(52 - 120)
2,4,6-Tribromophenol	NC,DIL	(56 - 120)
Terphenyl-d14	NC,DIL	(50 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL006

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-007 **Work Order #...:** KT6TH2AC **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8232471 **Analysis Time..:** 17:53
Dilution Factor: 24

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Isophorone	ND	25000	ug/kg	1300
1,2-Dichlorobenzene	ND	25000	ug/kg	1700
1,2,4-Trichloro-benzene	ND	25000	ug/kg	2100
1,3-Dichlorobenzene	ND	25000	ug/kg	920
1,4-Dichlorobenzene	ND	25000	ug/kg	1000
Acenaphthene	ND	25000	ug/kg	790
Acenaphthylene	ND	25000	ug/kg	1300
Anthracene	ND	25000	ug/kg	1300
Benzo(a)anthracene	ND	25000	ug/kg	1500
Benzo(b)fluoranthene	ND	25000	ug/kg	2000
Benzo(k)fluoranthene	ND	25000	ug/kg	3100
Benzo(ghi)perylene	ND	25000	ug/kg	1200
Benzo(a)pyrene	ND	25000	ug/kg	1500
bis(2-Chloroethoxy) methane	ND	25000	ug/kg	1800
bis(2-Chloroethyl)-ether	ND	25000	ug/kg	1300
bis(2-Ethylhexyl) phthalate	**20000 J,B**	**25000**	**ug/kg**	**3500**
4-Bromophenyl phenyl ether	ND	25000	ug/kg	1500
Butyl benzyl phthalate	ND	25000	ug/kg	3300
4-Chloro-3-methylphenol	ND	25000	ug/kg	5000
2-Chloronaphthalene	ND	25000	ug/kg	760
2-Chlorophenol	ND	25000	ug/kg	1600
4-Chlorophenyl phenyl ether	ND	25000	ug/kg	1600
Chrysene	ND	25000	ug/kg	2100
Dibenz(a,h)anthracene	ND	25000	ug/kg	1500
Di-n-butyl phthalate	ND	25000	ug/kg	2200
3,3'-Dichlorobenzidine	ND	50000	ug/kg	6900
2,4-Dichlorophenol	ND	25000	ug/kg	760
Diethyl phthalate	ND	50000	ug/kg	2000
2,4-Dimethylphenol	ND	25000	ug/kg	5000
Dimethyl phthalate	ND	25000	ug/kg	1800
4,6-Dinitro-2-methylphenol	ND	120000	ug/kg	25000

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL006

GC/MS Semivolatiles

Lot-Sample #...: D8H140359-007 **Work Order #...:** KT6TH2AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dinitrophenol	ND	120000	ug/kg	25000
2,4-Dinitrotoluene	ND	25000	ug/kg	5000
2,6-Dinitrotoluene	ND	25000	ug/kg	2100
Di-n-octyl phthalate	ND	25000	ug/kg	1100
Fluoranthene	ND	25000	ug/kg	2800
Fluorene	ND	25000	ug/kg	1400
Hexachlorobenzene	ND	25000	ug/kg	2200
Hexachloroethane	ND	25000	ug/kg	1600
Indeno(1,2,3-cd)pyrene	ND	25000	ug/kg	1700
Naphthalene	ND	25000	ug/kg	2400
Nitrobenzene	ND	25000	ug/kg	1700
2-Nitrophenol	ND	25000	ug/kg	760
4-Nitrophenol	ND	120000	ug/kg	7400
N-Nitrosodi-n-propyl-amine	ND	25000	ug/kg	2400
Pentachlorophenol	ND	120000	ug/kg	25000
Phenanthrene	ND	25000	ug/kg	1300
Phenol	ND	25000	ug/kg	1400
Pyrene	ND	25000	ug/kg	920
2,4,6-Trichloro-phenol	ND	25000	ug/kg	760
bis(2-Chloroisopropyl) ether	ND	25000	ug/kg	1800
Hexachlorobutadiene	ND	25000	ug/kg	760

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(34 - 120)
Phenol-d5	NC,DIL	(37 - 120)
Nitrobenzene-d5	NC,DIL	(36 - 120)
2-Fluorobiphenyl	NC,DIL	(36 - 120)
2,4,6-Tribromophenol	NC,DIL	(30 - 120)
Terphenyl-d14	NC,DIL	(28 - 120)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES005

GC Semivolatiles

Lot-Sample #...: D8H140359-005 **Work Order #...:** KT6TF1AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8231472 **Analysis Time..:** 03:57
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
Chlordane (technical)	ND	0.50	ug/L	0.14
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.10	ug/L	0.0077
4,4'-DDE	ND	0.10	ug/L	0.0075
4,4'-DDT	ND	0.10	ug/L	0.015
Dieldrin	ND	0.10	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.10	ug/L	0.0070
Endosulfan sulfate	ND	0.10	ug/L	0.0057
Endrin	ND	0.10	ug/L	0.0079
Endrin aldehyde	ND	0.10	ug/L	0.0088
Endrin ketone	ND	0.10	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	ND	0.50	ug/L	0.013
Mirex	ND	0.050	ug/L	0.0027

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	52	(52 - 117)
Decachlorobiphenyl	46	(32 - 144)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES005

GC Semivolatiles

Lot-Sample #...: D8H140359-005 **Work Order #...:** KT6TF2AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8231472 **Analysis Time..:** 16:50
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(52 - 117)
Decachlorobiphenyl	23 *	(32 - 144)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES006

GC Semivolatiles

Lot-Sample #...: D8H140359-006 **Work Order #...:** KT6TG1AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8231472 **Analysis Time..:** 04:14
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	**0.0082 J,COL**	**0.050**	**ug/L**	**0.0053**
beta-BHC	**0.036 J,COL**	**0.050**	**ug/L**	**0.0087**
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
Chlordane (technical)	ND	0.50	ug/L	0.14
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.10	ug/L	0.0077
4,4'-DDE	ND	0.10	ug/L	0.0075
4,4'-DDT	ND	0.10	ug/L	0.015
Dieldrin	ND	0.10	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.10	ug/L	0.0070
Endosulfan sulfate	ND	0.10	ug/L	0.0057
Endrin	ND	0.10	ug/L	0.0079
Endrin aldehyde	ND	0.10	ug/L	0.0088
Endrin ketone	ND	0.10	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	ND	0.50	ug/L	0.013
Mirex	ND	0.050	ug/L	0.0027

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(52 - 117)
Decachlorobiphenyl	61	(32 - 144)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES006

GC Semivolatiles

Lot-Sample #...: D8H140359-006 **Work Order #...:** KT6TG2AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8231472 **Analysis Time..:** 17:12
Dilution Factor: 1

Method.....: CFR136A 608

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.12
Aroclor 1221	ND	2.0	ug/L	0.21
Aroclor 1232	ND	1.0	ug/L	0.17
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.092
Aroclor 1254	ND	1.0	ug/L	0.11
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(52 - 117)
Decachlorobiphenyl	41	(32 - 144)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PST004

GC Semivolatiles

Lot-Sample #...: D8H140359-019 **Work Order #...:** KT6T41AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8231470 **Analysis Time..:** 15:19
Dilution Factor: 1

Method.....: MCAWW 614

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.17
Demeton (total)	ND	1.0	ug/L	0.21
Malathion	ND	1.2	ug/L	0.13
Methyl parathion	ND	4.0	ug/L	0.14
Ethyl parathion	ND	1.0	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	73	(49 - 171)
Triphenyl phosphate	87	(60 - 154)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PST005

GC Semivolatiles

Lot-Sample #...:	D8H140359-020	**Work Order #...:**	KT6T71AA	**Matrix.....:**	WATER
Date Sampled...:	08/13/08 07:00	**Date Received..:**	08/14/08		
Prep Date.....:	08/18/08	**Analysis Date..:**	08/20/08		
Prep Batch #...:	8231470	**Analysis Time..:**	15:44		
Dilution Factor:	1				
		Method.....:	MCAWW 614		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.17
Demeton (total)	ND	1.0	ug/L	0.21
Malathion	ND	1.2	ug/L	0.13
Methyl parathion	ND	4.0	ug/L	0.14
Ethyl parathion	ND	1.0	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	65	(49 - 171)
Triphenyl phosphate	93	(60 - 154)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES007

GC Semivolatiles

Lot-Sample #...: D8H140359-008 **Work Order #...:** KT6TJ1AD **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/21/08 **Analysis Date..:** 08/25/08
Prep Batch #...: 8234123 **Analysis Time..:** 15:04
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Mirex	ND	7.0	ug/kg	1.1
Aldrin	ND	7.0	ug/kg	1.0
alpha-BHC	ND	7.0	ug/kg	0.88
beta-BHC	ND	7.0	ug/kg	1.2
delta-BHC	ND	7.0	ug/kg	0.69
gamma-BHC (Lindane)	ND	7.0	ug/kg	0.59
Chlordane (technical)	ND	100	ug/kg	32
alpha-Chlordane	ND	7.0	ug/kg	1.3
gamma-Chlordane	ND	7.0	ug/kg	1.1
4,4'-DDD	ND	7.0	ug/kg	2.3
4,4'-DDE	ND	7.0	ug/kg	0.98
4,4'-DDT	ND	7.0	ug/kg	2.4
Dieldrin	ND	7.0	ug/kg	0.87
Endosulfan I	ND	7.0	ug/kg	0.73
Endosulfan II	ND	7.0	ug/kg	1.2
Endosulfan sulfate	**8.7 COL**	**7.0**	**ug/kg**	**1.1**
Endrin	ND	7.0	ug/kg	1.3
Endrin aldehyde	ND	7.0	ug/kg	0.88
Endrin ketone	ND	7.0	ug/kg	0.88
Heptachlor	ND	7.0	ug/kg	0.88
Heptachlor epoxide	ND	7.0	ug/kg	1.8
Methoxychlor	ND	14	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	43	(43 - 124)
Decachlorobiphenyl	0.0 *	(51 - 132)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES007

GC Semivolatiles

Lot-Sample #...: D8H140359-008 **Work Order #...:** KT6TJ1AE **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8232130 **Analysis Time..:** 20:30
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	140	ug/kg	21
Aroclor 1221	ND	190	ug/kg	64
Aroclor 1232	ND	140	ug/kg	21
Aroclor 1242	ND	140	ug/kg	38
Aroclor 1248	ND	140	ug/kg	23
Aroclor 1254	ND	140	ug/kg	23
Aroclor 1260	ND	140	ug/kg	11

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(53 - 132)
Decachlorobiphenyl	58	(38 - 162)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES007

GC Semivolatiles

Lot-Sample #...: D8H140359-008 **Work Order #...:** KT6TJ1AA **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/16/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8229097 **Analysis Time..:** 10:28
Dilution Factor: 40

Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2100	ug/kg	580
Demeton (total)	ND	6400	ug/kg	1200
Malathion	ND	2500	ug/kg	770
Ethyl parathion	ND	3000	ug/kg	870
Methyl parathion	ND	3300	ug/kg	1100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN004

Trace Level Organic Compounds

Lot-Sample #...: D8H140359-021 **Work Order #...:** KT6T92AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/27/08 **Analysis Date..:** 08/29/08
Prep Batch #...: 8240475 **Analysis Time..:** 01:41
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.37	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	59	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	86	(25 - 150)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN005

Trace Level Organic Compounds

Lot-Sample #...: D8H140359-022 **Work Order #...:** KT6VE2AA **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/27/08 **Analysis Date..:** 08/29/08
Prep Batch #...: 8240475 **Analysis Time..:** 02:28
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.23	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN006

Trace Level Organic Compounds

Lot-Sample #...: D8H140359-023 **Work Order #...:** KT6VG1AC **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/26/08 **Analysis Date..:** 08/28/08
Prep Batch #...: 8240473 **Analysis Time..:** 13:36
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.061	ng/g	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	89	(25 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET010

TOTAL Metals

Lot-Sample #...: D8H140359-009 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8227503						
Mercury	**620**	**58**	**ug/kg**	**SW846 7471A**	**08/15/08**	**KT6TK1AE**
		Dilution Factor: 1		Analysis Time..: 11:05	MDL.....: 19	
Prep Batch #...: 8239129						
Silver	**7100**	**340**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AU**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 69	
Arsenic	**5400**	**2000**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AF**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 170	
Beryllium	**140 B**	**340**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AG**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 76	
Cadmium	**1800**	**340**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AH**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 32	
Chromium	**13000**	**680**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AJ**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 260	
Copper	**240000**	**850**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AK**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 240	
Molybdenum	**5600**	**680**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AL**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 60	
Nickel	**12000 L**	**510**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AM**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 86	
Lead	**21000**	**510**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AN**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 62	
Antimony	**1500**	**680**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AP**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 48	
Selenium	**3800 J**	**1700**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AQ**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 450	
Thallium	**71 B**	**340**	**ug/kg**	**SW846 6020**	**08/28/08**	**KT6TK1AR**
		Dilution Factor: 1		Analysis Time..: 20:27	MDL.....: 12	

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET010

TOTAL Metals

Lot-Sample #...: D8H140359-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	690000	3400	ug/kg	SW846 6020	08/28/08	KT6TK1AT

Dilution Factor: 1 Analysis Time..: 20:27 MDL.....: 1100

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET008

TOTAL Metals

Lot-Sample #...: D8H140359-011 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	**0.11 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**08/18/08**	**KT6TM1AQ**
		Dilution Factor: 1		Analysis Time..: 22:48	MDL.....: 0.027	
Prep Batch #...: 8231167						
Silver	**1.8**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AA**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.020	
Arsenic	**2.1 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AC**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TM1AD
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.15	
Cadmium	**6.8**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AE**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.040	
Chromium	**3.9 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AF**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.88	
Copper	**60**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AG**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.20	
Molybdenum	**4.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AH**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.040	
Nickel	**4.2**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AJ**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.28	
Lead	**4.0**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AP**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.10	
Antimony	**0.48 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AK**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.060	
Selenium	**1.6 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TM1AL**
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TM1AM
		Dilution Factor: 1		Analysis Time..: 02:27	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET008

TOTAL Metals

Lot-Sample #...: D8H140359-011

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	170 J	10	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TM1AN

Dilution Factor: 1 Analysis Time..: 02:27 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET008

DISSOLVED Metals

Lot-Sample #...: D8H140359-011 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT6TM1A7
		Dilution Factor: 1		Analysis Time..: 22:18	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.31 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1AR**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.020	
Arsenic	**0.57 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1AT**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT6TM1AU
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.15	
Cadmium	**0.67 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1AV**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.040	
Chromium	**3.0**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1AW**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.88	
Copper	**7.9**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1AX**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.20	
Molybdenum	**1.2 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A0**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.040	
Nickel	**2.8**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A1**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.28	
Lead	**0.24 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A6**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.10	
Antimony	**0.21 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A2**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.060	
Selenium	**2.1 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A3**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 1.0	
Thallium	**0.036 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A4**
		Dilution Factor: 1		Analysis Time..: 03:42	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET008

DISSOLVED Metals

Lot-Sample #...: D8H140359-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**14**	**10**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TM1A5**

Dilution Factor: 1 Analysis Time..: 03:42 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET009

TOTAL Metals

Lot-Sample #...: D8H140359-012 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	**0.041 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**08/18/08**	**KT6TN1A2**
		Dilution Factor: 1		Analysis Time..: 22:55	MDL.....: 0.027	
Prep Batch #...: 8231167						
Silver	**1.4**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AL**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.020	
Arsenic	**2.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AM**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TN1AN
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.15	
Cadmium	**0.60 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AP**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.040	
Chromium	**2.2 B,J**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AQ**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.88	
Copper	**37**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AR**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.20	
Molybdenum	**4.5**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AT**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.040	
Nickel	**3.2**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AU**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.28	
Lead	**2.3**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1A1**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.10	
Antimony	**0.47 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT6TN1AV**
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TN1AW
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TN1AX
		Dilution Factor: 1		Analysis Time..: 02:31	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET009

TOTAL Metals

Lot-Sample #...: D8H140359-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	110 J	10	ug/L	MCAWW 200.8	08/18-08/22/08	KT6TN1A0

Dilution Factor: 1 Analysis Time..: 02:31 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET009

DISSOLVED Metals

Lot-Sample #...: D8H140359-012 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT6TN1AJ
		Dilution Factor: 1		Analysis Time..: 22:25	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.59 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1A3**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.020	
Arsenic	**2.2 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1A4**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT6TN1A5
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT6TN1A6
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.040	
Chromium	**3.5**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1A7**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.88	
Copper	**15**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1A8**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.20	
Molybdenum	**4.2**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AA**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.040	
Nickel	**2.8**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AC**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.28	
Lead	**0.64 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AH**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.10	
Antimony	**0.33 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AD**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.060	
Selenium	**2.5 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AE**
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT6TN1AF
		Dilution Factor: 1		Analysis Time..: 03:46	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET009

DISSOLVED Metals

Lot-Sample #...: D8H140359-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**27**	**10**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT6TN1AG**

Dilution Factor: 1 Analysis Time..: 03:46 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08SVL006

General Chemistry

Lot-Sample #...: D8H140359-007 **Work Order #...:** KT6TH **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**69**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/26/08**	**8239228**

Dilution Factor: 1 Analysis Time..: 13:00 MDL.....: 0.0

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08PES007

General Chemistry

Lot-Sample #...: D8H140359-008 **Work Order #...:** KT6TJ **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**76**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/21/08**	**8234413**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET010

General Chemistry

Lot-Sample #...: D8H140359-009 **Work Order #...:** KT6TK **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**71**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/26/08**	**8239228**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0	
Percent Solids	**29**	**0.10**	**%**	**SM18 2540B**	**08/28/08**	**8242163**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	
Total Cyanide	**0.42 B**	**1.7**	**mg/kg**	**SW846 9010B/9012A**	**08/27/08**	**8240523**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.35	

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOP038

General Chemistry

Lot-Sample #...: D8H140359-010 **Work Order #...:** KT6TL **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**64**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/21/08**	**8234413**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN015

General Chemistry

Lot-Sample #...: D8H140359-013 **Work Order #...:** KT6TP **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1		Analysis Time..: 13:20	MDL.....: 0.0024	

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN016

General Chemistry

Lot-Sample #...: D8H140359-014 **Work Order #...:** KT6TQ **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0069 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**08/20/08**	**8233389**

Dilution Factor: 1 Analysis Time..: 13:20 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08O&G003

General Chemistry

Lot-Sample #...: D8H140359-017 **Work Order #...:** KT6T1 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)	**50 J**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**08/21/08**	**8234347**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.4	

NOTE(S):

RL Reporting Limit

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08O&G004

General Chemistry

Lot-Sample #...: D8H140359-018 **Work Order #...:** KT6T3 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)	**32 J**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**08/21/08**	**8234347**

Dilution Factor: 1 Analysis Time..: 09:00 MDL.....: 1.4

NOTE(S):

RL Reporting Limit

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08DXN006

General Chemistry

Lot-Sample #...: D8H140359-023 **Work Order #...:** KT6VG **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**71**	**0.10**	**%**	**ASTM D 2216-90**	**08/21-08/22/08**	**8234310**
		Dilution Factor: 1		Analysis Time..: 11:05	MDL.....: 0.10	

QC DATA ASSOCIATION SUMMARY

D8H140359

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	CFR136A 624		8240472	8240327
002	WATER	CFR136A 624		8240472	8240327
003	WATER	CFR136A 624		8233335	8233221
004	WATER	CFR136A 624		8233335	8233221
005	WATER	CFR136A 608		8231472	8231274
006	WATER	CFR136A 608		8231472	8231274
007	SOLID	SW846 8270C		8232471	8232315
	SOLID	MCAWW 160.3 MOD		8239228	8240134
008	SOLID	SW846 8141A		8229097	8229073
	SOLID	SW846 8082		8232130	8232076
	SOLID	SW846 8081A		8234123	8234083
	SOLID	MCAWW 160.3 MOD		8234413	8235145
009	SOLID	SW846 9010B/9012A		8240523	8240340
	SOLID	SW846 6020		8239129	8239086
	SOLID	SM18 2540B		8242163	8242128
	SOLID	SW846 7471A		8227503	8227308
	SOLID	MCAWW 160.3 MOD		8239228	8240134
010	SOLID	SW846 8260B		8231462	8232294
	SOLID	MCAWW 160.3 MOD		8234413	8235145
011	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8231167	8231091
	WATER	MCAWW 200.8		8232304	8232205
012	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8231167	8231091
	WATER	MCAWW 200.8		8232304	8232205
013	WATER	SM18 4500-CN E		8233389	8234081

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QC DATA ASSOCIATION SUMMARY

D8H140359

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
014	WATER	SM18 4500-CN E		8233389	8234081
015	WATER	CFR136A 625		8228143	8228093
016	WATER	CFR136A 625		8232166	8232097
017	WATER	CFR136A 1664A HEM		8234347	8234232
018	WATER	CFR136A 1664A HEM		8234347	8234232
019	WATER	MCAWW 614		8231470	8231272
020	WATER	MCAWW 614		8231470	8231272
021	WATER	SW846 8280A		8240475	
022	WATER	SW846 8280A		8240475	
023	SOLID	ASTM D 2216-90		8234310	8234189
	SOLID	SW846 8280A		8240473	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVGJL1AA **Matrix.....:** WATER
MB Lot-Sample #: D8H200000-335

Prep Date.....: 08/19/08 **Analysis Time..:** 21:25
Analysis Date..: 08/19/08 **Prep Batch #...:** 8233335
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	10	ug/L	CFR136A 624
Benzene	ND	5.0	ug/L	CFR136A 624
Bromodichloromethane	ND	5.0	ug/L	CFR136A 624
Bromoform	ND	5.0	ug/L	CFR136A 624
Bromomethane	ND	10	ug/L	CFR136A 624
Carbon tetrachloride	ND	5.0	ug/L	CFR136A 624
Chlorobenzene	ND	5.0	ug/L	CFR136A 624
Chloroethane	ND	10	ug/L	CFR136A 624
Chloroform	ND	5.0	ug/L	CFR136A 624
Chloromethane	ND	10	ug/L	CFR136A 624
Dibromochloromethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,3-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,4-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	5.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	5.0	ug/L	CFR136A 624
1,2-Dichloropropane	ND	5.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
Ethylbenzene	ND	5.0	ug/L	CFR136A 624
Methylene chloride	**1.6 J**	**5.0**	**ug/L**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	CFR136A 624
Tetrachloroethene	ND	5.0	ug/L	CFR136A 624
Toluene	ND	5.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	5.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	5.0	ug/L	CFR136A 624
Trichloroethene	ND	5.0	ug/L	CFR136A 624
Trichlorofluoromethane	ND	10	ug/L	CFR136A 624
Vinyl chloride	ND	10	ug/L	CFR136A 624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(73 - 122)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	99	(80 - 120)

NOTE(S):

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVGJL1AA **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AA **Matrix.....:** WATER
MB Lot-Sample #: D8H270000-472

Prep Date.....: 08/26/08 **Analysis Time..:** 21:09
Analysis Date..: 08/26/08 **Prep Batch #...:** 8240472
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Xylenes (total)	ND	10	ug/L	CFR136A 624
Benzene	ND	5.0	ug/L	CFR136A 624
Bromodichloromethane	ND	5.0	ug/L	CFR136A 624
Bromoform	ND	5.0	ug/L	CFR136A 624
Bromomethane	ND	10	ug/L	CFR136A 624
Carbon tetrachloride	ND	5.0	ug/L	CFR136A 624
Chlorobenzene	ND	5.0	ug/L	CFR136A 624
Chloroethane	ND	10	ug/L	CFR136A 624
Chloroform	ND	5.0	ug/L	CFR136A 624
Chloromethane	ND	10	ug/L	CFR136A 624
Dibromochloromethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,3-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,4-Dichlorobenzene	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,2-Dichloroethane	ND	5.0	ug/L	CFR136A 624
1,1-Dichloroethene	ND	5.0	ug/L	CFR136A 624
trans-1,2-Dichloroethene	ND	5.0	ug/L	CFR136A 624
1,2-Dichloropropane	ND	5.0	ug/L	CFR136A 624
cis-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
trans-1,3-Dichloropropene	ND	5.0	ug/L	CFR136A 624
Ethylbenzene	ND	5.0	ug/L	CFR136A 624
Methylene chloride	**3.2 J**	**5.0**	**ug/L**	**CFR136A 624**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	CFR136A 624
Tetrachloroethene	ND	5.0	ug/L	CFR136A 624
Toluene	ND	5.0	ug/L	CFR136A 624
1,1,1-Trichloroethane	ND	5.0	ug/L	CFR136A 624
1,1,2-Trichloroethane	ND	5.0	ug/L	CFR136A 624
Trichloroethene	ND	5.0	ug/L	CFR136A 624
Trichlorofluoromethane	ND	10	ug/L	CFR136A 624
Vinyl chloride	ND	10	ug/L	CFR136A 624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(73 - 122)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	95	(80 - 120)

NOTE(S):

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AA **Matrix.....:** WATER

NOTE(S):

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 Work Order #...: KVGJL1AC Matrix.....: WATER
LCS Lot-Sample#: D8H200000-335
Prep Date.....: 08/19/08 Analysis Date..: 08/19/08
Prep Batch #...: 8233335 Analysis Time..: 20:42
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Xylenes (total)	86	(50 - 150)	CFR136A 624
Benzene	86	(37 - 151)	CFR136A 624
Bromodichloromethane	86	(35 - 155)	CFR136A 624
Bromoform	80	(45 - 169)	CFR136A 624
Bromomethane	102	(10 - 242)	CFR136A 624
Carbon tetrachloride	88	(70 - 140)	CFR136A 624
Chlorobenzene	86	(37 - 160)	CFR136A 624
Chloroethane	101	(14 - 230)	CFR136A 624
Chloroform	87	(51 - 138)	CFR136A 624
Chloromethane	95	(10 - 273)	CFR136A 624
Dibromochloromethane	84	(53 - 149)	CFR136A 624
1,2-Dichlorobenzene	85	(18 - 190)	CFR136A 624
1,3-Dichlorobenzene	87	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	87	(18 - 190)	CFR136A 624
1,1-Dichloroethane	90	(59 - 155)	CFR136A 624
1,2-Dichloroethane	90	(49 - 155)	CFR136A 624
1,1-Dichloroethene	86	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	87	(54 - 156)	CFR136A 624
1,2-Dichloropropane	87	(10 - 210)	CFR136A 624
Acrolein	166	(39 - 188)	CFR136A 624
cis-1,3-Dichloropropene	82	(10 - 227)	CFR136A 624
Acrylonitrile	88	(48 - 149)	CFR136A 624
trans-1,3-Dichloropropene	83	(17 - 183)	CFR136A 624
Ethylbenzene	86	(37 - 162)	CFR136A 624
Methylene chloride	87	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	87	(46 - 157)	CFR136A 624
Tetrachloroethene	85	(64 - 148)	CFR136A 624
Toluene	87	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	90	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	84	(52 - 150)	CFR136A 624
Trichloroethene	87	(71 - 157)	CFR136A 624
Trichlorofluoromethane	92	(17 - 181)	CFR136A 624
Vinyl chloride	96	(10 - 251)	CFR136A 624
2-Chloroethyl vinyl ether	72	(10 - 305)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVGJL1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H200000-335

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dioxane	**99**	**(25 - 141)**	**CFR136A 624**
Hexane	**70**	**(69 - 143)**	**CFR136A 624**
Acetone	**75**	**(42 - 170)**	**CFR136A 624**
1,3-Dichloropropene (total)	**83**	**(17 - 183)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(73 - 122)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	102	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVGJL1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H200000-335
Prep Date.....: 08/19/08 **Analysis Date..:** 08/19/08
Prep Batch #...: 8233335 **Analysis Time..:** 20:42
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Xylenes (total)	60.0	51.4	ug/L	86	CFR136A 624
Benzene	20.0	17.2	ug/L	86	CFR136A 624
Bromodichloromethane	20.0	17.2	ug/L	86	CFR136A 624
Bromoform	20.0	16.1	ug/L	80	CFR136A 624
Bromomethane	20.0	20.4	ug/L	102	CFR136A 624
Carbon tetrachloride	20.0	17.6	ug/L	88	CFR136A 624
Chlorobenzene	20.0	17.3	ug/L	86	CFR136A 624
Chloroethane	20.0	20.2	ug/L	101	CFR136A 624
Chloroform	20.0	17.5	ug/L	87	CFR136A 624
Chloromethane	20.0	19.1	ug/L	95	CFR136A 624
Dibromochloromethane	20.0	16.9	ug/L	84	CFR136A 624
1,2-Dichlorobenzene	20.0	17.0	ug/L	85	CFR136A 624
1,3-Dichlorobenzene	20.0	17.3	ug/L	87	CFR136A 624
1,4-Dichlorobenzene	20.0	17.4	ug/L	87	CFR136A 624
1,1-Dichloroethane	20.0	18.0	ug/L	90	CFR136A 624
1,2-Dichloroethane	20.0	18.0	ug/L	90	CFR136A 624
1,1-Dichloroethene	20.0	17.2	ug/L	86	CFR136A 624
trans-1,2-Dichloroethene	20.0	17.3	ug/L	87	CFR136A 624
1,2-Dichloropropane	20.0	17.4	ug/L	87	CFR136A 624
Acrolein	200	332	ug/L	166	CFR136A 624
cis-1,3-Dichloropropene	20.0	16.4	ug/L	82	CFR136A 624
Acrylonitrile	200	176	ug/L	88	CFR136A 624
trans-1,3-Dichloropropene	20.0	16.6	ug/L	83	CFR136A 624
Ethylbenzene	20.0	17.1	ug/L	86	CFR136A 624
Methylene chloride	20.0	17.3	ug/L	87	CFR136A 624
1,1,2,2-Tetrachloroethane	20.0	17.3	ug/L	87	CFR136A 624
Tetrachloroethene	20.0	17.0	ug/L	85	CFR136A 624
Toluene	20.0	17.4	ug/L	87	CFR136A 624
1,1,1-Trichloroethane	20.0	18.1	ug/L	90	CFR136A 624
1,1,2-Trichloroethane	20.0	16.8	ug/L	84	CFR136A 624
Trichloroethene	20.0	17.5	ug/L	87	CFR136A 624
Trichlorofluoromethane	20.0	18.3	ug/L	92	CFR136A 624
Vinyl chloride	20.0	19.2	ug/L	96	CFR136A 624
2-Chloroethyl vinyl ether	20.0	14.4	ug/L	72	CFR136A 624

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVGJL1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H200000-335

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dioxane	**1000**	**990**	**ug/L**	**99**	**CFR136A 624**
Hexane	**20.0**	**14.1**	**ug/L**	**70**	**CFR136A 624**
Acetone	**80.0**	**59.9**	**ug/L**	**75**	**CFR136A 624**
1,3-Dichloropropene (total)	**40.0**	**33.1**	**ug/L**	**83**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	105	(73 - 122)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	102	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H270000-472
Prep Date.....: 08/26/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8240472 **Analysis Time..:** 21:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Xylenes (total)	114	(50 - 150)	CFR136A 624
Benzene	102	(37 - 151)	CFR136A 624
Bromodichloromethane	93	(35 - 155)	CFR136A 624
Bromoform	105	(45 - 169)	CFR136A 624
Bromomethane	79	(10 - 242)	CFR136A 624
Carbon tetrachloride	97	(70 - 140)	CFR136A 624
Chlorobenzene	109	(37 - 160)	CFR136A 624
Chloroethane	79	(14 - 230)	CFR136A 624
Chloroform	94	(51 - 138)	CFR136A 624
Chloromethane	76	(10 - 273)	CFR136A 624
Dibromochloromethane	99	(53 - 149)	CFR136A 624
1,2-Dichlorobenzene	114	(18 - 190)	CFR136A 624
1,3-Dichlorobenzene	114	(59 - 156)	CFR136A 624
1,4-Dichlorobenzene	106	(18 - 190)	CFR136A 624
1,1-Dichloroethane	95	(59 - 155)	CFR136A 624
1,2-Dichloroethane	97	(49 - 155)	CFR136A 624
1,1-Dichloroethene	111	(10 - 234)	CFR136A 624
trans-1,2-Dichloroethene	99	(54 - 156)	CFR136A 624
1,2-Dichloropropane	95	(10 - 210)	CFR136A 624
Acrolein	206 a	(39 - 188)	CFR136A 624
cis-1,3-Dichloropropene	96	(10 - 227)	CFR136A 624
Acrylonitrile	92	(48 - 149)	CFR136A 624
trans-1,3-Dichloropropene	105	(17 - 183)	CFR136A 624
Ethylbenzene	110	(37 - 162)	CFR136A 624
Methylene chloride	86	(10 - 221)	CFR136A 624
1,1,2,2-Tetrachloroethane	92	(46 - 157)	CFR136A 624
Tetrachloroethene	112	(64 - 148)	CFR136A 624
Toluene	107	(47 - 150)	CFR136A 624
1,1,1-Trichloroethane	95	(52 - 162)	CFR136A 624
1,1,2-Trichloroethane	106	(52 - 150)	CFR136A 624
Trichloroethene	96	(71 - 157)	CFR136A 624
Trichlorofluoromethane	87	(17 - 181)	CFR136A 624
Vinyl chloride	83	(10 - 251)	CFR136A 624
2-Chloroethyl vinyl ether	51	(10 - 305)	CFR136A 624

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H270000-472

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dioxane	**85**	**(25 - 141)**	**CFR136A 624**
Hexane	**91**	**(69 - 143)**	**CFR136A 624**
Acetone	**82**	**(42 - 170)**	**CFR136A 624**
1,3-Dichloropropene (total)	**101**	**(17 - 183)**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(73 - 122)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	104	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H270000-472
Prep Date.....: 08/26/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8240472 **Analysis Time..:** 21:31
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Xylenes (total)	60.0	68.6	ug/L	114	CFR136A 624
Benzene	20.0	20.3	ug/L	102	CFR136A 624
Bromodichloromethane	20.0	18.5	ug/L	93	CFR136A 624
Bromoform	20.0	21.0	ug/L	105	CFR136A 624
Bromomethane	20.0	15.7	ug/L	79	CFR136A 624
Carbon tetrachloride	20.0	19.5	ug/L	97	CFR136A 624
Chlorobenzene	20.0	21.9	ug/L	109	CFR136A 624
Chloroethane	20.0	15.8	ug/L	79	CFR136A 624
Chloroform	20.0	18.7	ug/L	94	CFR136A 624
Chloromethane	20.0	15.3	ug/L	76	CFR136A 624
Dibromochloromethane	20.0	19.8	ug/L	99	CFR136A 624
1,2-Dichlorobenzene	20.0	22.7	ug/L	114	CFR136A 624
1,3-Dichlorobenzene	20.0	22.9	ug/L	114	CFR136A 624
1,4-Dichlorobenzene	20.0	21.2	ug/L	106	CFR136A 624
1,1-Dichloroethane	20.0	18.9	ug/L	95	CFR136A 624
1,2-Dichloroethane	20.0	19.4	ug/L	97	CFR136A 624
1,1-Dichloroethene	20.0	22.2	ug/L	111	CFR136A 624
trans-1,2-Dichloroethene	20.0	19.9	ug/L	99	CFR136A 624
1,2-Dichloropropane	20.0	19.0	ug/L	95	CFR136A 624
Acrolein	200	412 a	ug/L	206	CFR136A 624
cis-1,3-Dichloropropene	20.0	19.1	ug/L	96	CFR136A 624
Acrylonitrile	200	184	ug/L	92	CFR136A 624
trans-1,3-Dichloropropene	20.0	21.1	ug/L	105	CFR136A 624
Ethylbenzene	20.0	22.0	ug/L	110	CFR136A 624
Methylene chloride	20.0	17.2	ug/L	86	CFR136A 624
1,1,2,2-Tetrachloroethane	20.0	18.3	ug/L	92	CFR136A 624
Tetrachloroethene	20.0	22.4	ug/L	112	CFR136A 624
Toluene	20.0	21.4	ug/L	107	CFR136A 624
1,1,1-Trichloroethane	20.0	19.1	ug/L	95	CFR136A 624
1,1,2-Trichloroethane	20.0	21.3	ug/L	106	CFR136A 624
Trichloroethene	20.0	19.2	ug/L	96	CFR136A 624
Trichlorofluoromethane	20.0	17.4	ug/L	87	CFR136A 624
Vinyl chloride	20.0	16.5	ug/L	83	CFR136A 624
2-Chloroethyl vinyl ether	20.0	10.1	ug/L	51	CFR136A 624

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVWXM1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H270000-472

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dioxane	**1000**	**848**	**ug/L**	**85**	**CFR136A 624**
Hexane	**20.0**	**18.2**	**ug/L**	**91**	**CFR136A 624**
Acetone	**80.0**	**65.8**	**ug/L**	**82**	**CFR136A 624**
1,3-Dichloropropene (total)	**40.0**	**40.2**	**ug/L**	**101**	**CFR136A 624**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	86	(73 - 122)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	104	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD
Date Sampled...: 08/13/08 04:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8233335 **Analysis Time..:** 00:24
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Xylenes (total)	100	(50 - 150)			CFR136A 624
	95	(50 - 150)	5.6	(0-30)	CFR136A 624
Benzene	126	(37 - 151)			CFR136A 624
	119	(37 - 151)	5.8	(0-30)	CFR136A 624
Bromodichloromethane	125	(35 - 155)			CFR136A 624
	120	(35 - 155)	4.2	(0-30)	CFR136A 624
Bromoform	101	(45 - 169)			CFR136A 624
	101	(45 - 169)	0.54	(0-30)	CFR136A 624
Bromomethane	117	(10 - 242)			CFR136A 624
	120	(10 - 242)	2.9	(0-30)	CFR136A 624
Carbon tetrachloride	138	(70 - 140)			CFR136A 624
	129	(70 - 140)	6.8	(0-30)	CFR136A 624
Chlorobenzene	104	(37 - 160)			CFR136A 624
	99	(37 - 160)	4.3	(0-30)	CFR136A 624
Chloroethane	115	(14 - 230)			CFR136A 624
	118	(14 - 230)	2.2	(0-30)	CFR136A 624
Chloroform	138	(51 - 138)			CFR136A 624
	130	(51 - 138)	6.3	(0-30)	CFR136A 624
Chloromethane	110	(10 - 273)			CFR136A 624
	112	(10 - 273)	1.6	(0-30)	CFR136A 624
Dibromochloromethane	105	(53 - 149)			CFR136A 624
	102	(53 - 149)	3.0	(0-30)	CFR136A 624
1,2-Dichlorobenzene	101	(18 - 190)			CFR136A 624
	94	(18 - 190)	6.9	(0-30)	CFR136A 624
1,3-Dichlorobenzene	100	(59 - 156)			CFR136A 624
	96	(59 - 156)	3.8	(0-30)	CFR136A 624
1,4-Dichlorobenzene	101	(18 - 190)			CFR136A 624
	97	(18 - 190)	4.2	(0-30)	CFR136A 624
1,1-Dichloroethane	131	(59 - 155)			CFR136A 624
	124	(59 - 155)	5.3	(0-30)	CFR136A 624
1,2-Dichloroethane	148	(49 - 155)			CFR136A 624
	141	(49 - 155)	5.0	(0-30)	CFR136A 624
1,1-Dichloroethene	123	(10 - 234)			CFR136A 624
	115	(10 - 234)	6.7	(0-30)	CFR136A 624
trans-1,2-Dichloroethene	125	(54 - 156)			CFR136A 624
	118	(54 - 156)	6.5	(0-30)	CFR136A 624
1,2-Dichloropropane	116	(10 - 210)			CFR136A 624
	111	(10 - 210)	4.0	(0-30)	CFR136A 624
Acrolein	193 a	(39 - 188)			CFR136A 624
	199 a	(39 - 188)	3.3	(0-30)	CFR136A 624

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	98	(10 - 227)			CFR136A 624
	94	(10 - 227)	4.1	(0-30)	CFR136A 624
Acrylonitrile	104	(48 - 149)			CFR136A 624
	110	(48 - 149)	5.7	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	96	(17 - 183)			CFR136A 624
	91	(17 - 183)	5.5	(0-30)	CFR136A 624
Ethylbenzene	97	(37 - 162)			CFR136A 624
	92	(37 - 162)	5.8	(0-30)	CFR136A 624
Methylene chloride	117	(10 - 221)			CFR136A 624
	107	(10 - 221)	8.4	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	93	(46 - 157)			CFR136A 624
	92	(46 - 157)	1.4	(0-30)	CFR136A 624
Tetrachloroethene	101	(64 - 148)			CFR136A 624
	95	(64 - 148)	5.9	(0-30)	CFR136A 624
Toluene	96	(47 - 150)			CFR136A 624
	91	(47 - 150)	5.5	(0-30)	CFR136A 624
1,1,1-Trichloroethane	135	(52 - 162)			CFR136A 624
	128	(52 - 162)	5.5	(0-30)	CFR136A 624
1,1,2-Trichloroethane	101	(52 - 150)			CFR136A 624
	96	(52 - 150)	5.1	(0-30)	CFR136A 624
Trichloroethene	110	(71 - 157)			CFR136A 624
	105	(71 - 157)	4.6	(0-30)	CFR136A 624
Trichlorofluoromethane	110	(17 - 181)			CFR136A 624
	112	(17 - 181)	2.4	(0-30)	CFR136A 624
Vinyl chloride	107	(10 - 251)			CFR136A 624
	106	(10 - 251)	0.83	(0-30)	CFR136A 624
2-Chloroethyl vinyl ether	0.0 a	(10 - 305)			CFR136A 624
	0.0 a	(10 - 305)	0.0	(0-45)	CFR136A 624
1,4-Dioxane	86	(25 - 141)			CFR136A 624
	89	(25 - 141)	2.6	(0-20)	CFR136A 624
Hexane	82	(69 - 143)			CFR136A 624
	83	(69 - 143)	1.6	(0-20)	CFR136A 624
Acetone	166	(42 - 170)			CFR136A 624
	163	(42 - 170)	1.5	(0-20)	CFR136A 624
1,3-Dichloropropene (total)	97	(17 - 183)			CFR136A 624
	92	(17 - 183)	4.8	(0-30)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	152 *	(73 - 122)
	149 *	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	113	(79 - 119)
	109	(79 - 119)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)

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 Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD
Date Sampled...: 08/13/08 04:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8233335 **Analysis Time..:** 00:24
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Xylenes (total)	ND	60.0	60.0	ug/L	100		CFR136A 624
	ND	60.0	56.8	ug/L	95	5.6	CFR136A 624
Benzene	ND	20.0	25.2	ug/L	126		CFR136A 624
	ND	20.0	23.8	ug/L	119	5.8	CFR136A 624
Bromodichloromethane	ND	20.0	25.1	ug/L	125		CFR136A 624
	ND	20.0	24.0	ug/L	120	4.2	CFR136A 624
Bromoform	ND	20.0	20.3	ug/L	101		CFR136A 624
	ND	20.0	20.2	ug/L	101	0.54	CFR136A 624
Bromomethane	ND	20.0	23.4	ug/L	117		CFR136A 624
	ND	20.0	24.1	ug/L	120	2.9	CFR136A 624
Carbon tetrachloride	ND	20.0	27.6	ug/L	138		CFR136A 624
	ND	20.0	25.8	ug/L	129	6.8	CFR136A 624
Chlorobenzene	ND	20.0	20.7	ug/L	104		CFR136A 624
	ND	20.0	19.9	ug/L	99	4.3	CFR136A 624
Chloroethane	ND	20.0	23.0	ug/L	115		CFR136A 624
	ND	20.0	23.5	ug/L	118	2.2	CFR136A 624
Chloroform	ND	20.0	27.7	ug/L	138		CFR136A 624
	ND	20.0	26.0	ug/L	130	6.3	CFR136A 624
Chloromethane	ND	20.0	22.0	ug/L	110		CFR136A 624
	ND	20.0	22.4	ug/L	112	1.6	CFR136A 624
Dibromochloromethane	ND	20.0	21.0	ug/L	105		CFR136A 624
	ND	20.0	20.3	ug/L	102	3.0	CFR136A 624
1,2-Dichlorobenzene	ND	20.0	20.2	ug/L	101		CFR136A 624
	ND	20.0	18.9	ug/L	94	6.9	CFR136A 624
1,3-Dichlorobenzene	ND	20.0	20.0	ug/L	100		CFR136A 624
	ND	20.0	19.2	ug/L	96	3.8	CFR136A 624
1,4-Dichlorobenzene	ND	20.0	20.1	ug/L	101		CFR136A 624
	ND	20.0	19.3	ug/L	97	4.2	CFR136A 624
1,1-Dichloroethane	ND	20.0	26.3	ug/L	131		CFR136A 624
	ND	20.0	24.9	ug/L	124	5.3	CFR136A 624
1,2-Dichloroethane	ND	20.0	29.7	ug/L	148		CFR136A 624
	ND	20.0	28.2	ug/L	141	5.0	CFR136A 624
1,1-Dichloroethene	ND	20.0	24.6	ug/L	123		CFR136A 624
	ND	20.0	23.0	ug/L	115	6.7	CFR136A 624
trans-1,2-Dichloroethene	ND	20.0	25.1	ug/L	125		CFR136A 624
	ND	20.0	23.5	ug/L	118	6.5	CFR136A 624
1,2-Dichloropropane	ND	20.0	23.1	ug/L	116		CFR136A 624
	ND	20.0	22.2	ug/L	111	4.0	CFR136A 624
Acrolein	ND	200	385	ug/L	193 a		CFR136A 624
	ND	200	398	ug/L	199 a	3.3	CFR136A 624

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	20.0	19.6	ug/L	98		CFR136A 624
	ND	20.0	18.8	ug/L	94	4.1	CFR136A 624
Acrylonitrile	ND	200	207	ug/L	104		CFR136A 624
	ND	200	220	ug/L	110	5.7	CFR136A 624
trans-1,3-Dichloropropene	ND	20.0	19.2	ug/L	96		CFR136A 624
	ND	20.0	18.1	ug/L	91	5.5	CFR136A 624
Ethylbenzene	ND	20.0	19.4	ug/L	97		CFR136A 624
	ND	20.0	18.3	ug/L	92	5.8	CFR136A 624
Methylene chloride	1.2	20.0	24.6	ug/L	117		CFR136A 624
	1.2	20.0	22.6	ug/L	107	8.4	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	20.0	18.6	ug/L	93		CFR136A 624
	ND	20.0	18.4	ug/L	92	1.4	CFR136A 624
Tetrachloroethene	ND	20.0	20.2	ug/L	101		CFR136A 624
	ND	20.0	19.0	ug/L	95	5.9	CFR136A 624
Toluene	ND	20.0	19.2	ug/L	96		CFR136A 624
	ND	20.0	18.2	ug/L	91	5.5	CFR136A 624
1,1,1-Trichloroethane	ND	20.0	27.0	ug/L	135		CFR136A 624
	ND	20.0	25.5	ug/L	128	5.5	CFR136A 624
1,1,2-Trichloroethane	ND	20.0	20.2	ug/L	101		CFR136A 624
	ND	20.0	19.2	ug/L	96	5.1	CFR136A 624
Trichloroethene	ND	20.0	22.0	ug/L	110		CFR136A 624
	ND	20.0	21.0	ug/L	105	4.6	CFR136A 624
Trichlorofluoromethane	ND	20.0	21.9	ug/L	110		CFR136A 624
	ND	20.0	22.4	ug/L	112	2.4	CFR136A 624
Vinyl chloride	ND	20.0	21.4	ug/L	107		CFR136A 624
	ND	20.0	21.3	ug/L	106	0.83	CFR136A 624
2-Chloroethyl vinyl ether	ND	20.0	0.0	ug/L	0.0 a		CFR136A 624
	ND	20.0	0.0	ug/L	0.0 a	0.0	CFR136A 624
1,4-Dioxane	ND	1000	864	ug/L	86		CFR136A 624
	ND	1000	887	ug/L	89	2.6	CFR136A 624
Hexane	ND	20.0	16.3	ug/L	82		CFR136A 624
	ND	20.0	16.6	ug/L	83	1.6	CFR136A 624
Acetone	21	40.0	87.2	ug/L	166		CFR136A 624
	21	40.0	85.8	ug/L	163	1.5	CFR136A 624
1,3-Dichloropropene (total)	ND	40.0	38.7	ug/L	97		CFR136A 624
	ND	40.0	36.9	ug/L	92	4.8	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	152 *	(73 - 122)
	149 *	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6D51AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-003 KT6D51AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	113	(79 - 119)
	109	(79 - 119)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)

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 EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD
Date Sampled...: 08/20/08 08:00 **Date Received..:** 08/21/08
Prep Date.....: 08/26/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8240472 **Analysis Time..:** 22:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Xylenes (total)	105	(50 - 150)			CFR136A 624
	101	(50 - 150)	3.2	(0-30)	CFR136A 624
Benzene	102	(37 - 151)			CFR136A 624
	98	(37 - 151)	4.1	(0-30)	CFR136A 624
Bromodichloromethane	96	(35 - 155)			CFR136A 624
	92	(35 - 155)	4.8	(0-30)	CFR136A 624
Bromoform	105	(45 - 169)			CFR136A 624
	99	(45 - 169)	6.0	(0-30)	CFR136A 624
Bromomethane	81	(10 - 242)			CFR136A 624
	76	(10 - 242)	6.9	(0-30)	CFR136A 624
Carbon tetrachloride	94	(70 - 140)			CFR136A 624
	91	(70 - 140)	4.2	(0-30)	CFR136A 624
Chlorobenzene	105	(37 - 160)			CFR136A 624
	101	(37 - 160)	4.0	(0-30)	CFR136A 624
Chloroethane	84	(14 - 230)			CFR136A 624
	77	(14 - 230)	7.5	(0-30)	CFR136A 624
Chloroform	97	(51 - 138)			CFR136A 624
	91	(51 - 138)	6.7	(0-30)	CFR136A 624
Chloromethane	80	(10 - 273)			CFR136A 624
	72	(10 - 273)	11	(0-30)	CFR136A 624
Dibromochloromethane	102	(53 - 149)			CFR136A 624
	98	(53 - 149)	4.0	(0-30)	CFR136A 624
1,2-Dichlorobenzene	109	(18 - 190)			CFR136A 624
	102	(18 - 190)	5.9	(0-30)	CFR136A 624
1,3-Dichlorobenzene	107	(59 - 156)			CFR136A 624
	97	(59 - 156)	9.6	(0-30)	CFR136A 624
1,4-Dichlorobenzene	106	(18 - 190)			CFR136A 624
	103	(18 - 190)	3.0	(0-30)	CFR136A 624
1,1-Dichloroethane	89	(59 - 155)			CFR136A 624
	95	(59 - 155)	6.0	(0-30)	CFR136A 624
1,2-Dichloroethane	103	(49 - 155)			CFR136A 624
	96	(49 - 155)	7.0	(0-30)	CFR136A 624
1,1-Dichloroethene	109	(10 - 234)			CFR136A 624
	105	(10 - 234)	4.2	(0-30)	CFR136A 624
trans-1,2-Dichloroethene	98	(54 - 156)			CFR136A 624
	97	(54 - 156)	0.99	(0-30)	CFR136A 624
1,2-Dichloropropane	101	(10 - 210)			CFR136A 624
	94	(10 - 210)	6.9	(0-30)	CFR136A 624
Acrolein	226 a	(39 - 188)			CFR136A 624
	215 a	(39 - 188)	4.9	(0-30)	CFR136A 624

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	101	(10 - 227)			CFR136A 624
	94	(10 - 227)	7.7	(0-30)	CFR136A 624
Acrylonitrile	96	(48 - 149)			CFR136A 624
	98	(48 - 149)	2.0	(0-30)	CFR136A 624
trans-1,3-Dichloropropene	102	(17 - 183)			CFR136A 624
	98	(17 - 183)	3.6	(0-30)	CFR136A 624
Ethylbenzene	104	(37 - 162)			CFR136A 624
	101	(37 - 162)	3.0	(0-30)	CFR136A 624
Methylene chloride	76	(10 - 221)			CFR136A 624
	81	(10 - 221)	5.7	(0-30)	CFR136A 624
1,1,2,2-Tetrachloroethane	97	(46 - 157)			CFR136A 624
	92	(46 - 157)	4.3	(0-30)	CFR136A 624
Tetrachloroethene	104	(64 - 148)			CFR136A 624
	102	(64 - 148)	2.6	(0-30)	CFR136A 624
Toluene	103	(47 - 150)			CFR136A 624
	100	(47 - 150)	3.3	(0-30)	CFR136A 624
1,1,1-Trichloroethane	99	(52 - 162)			CFR136A 624
	90	(52 - 162)	10	(0-30)	CFR136A 624
1,1,2-Trichloroethane	108	(52 - 150)			CFR136A 624
	104	(52 - 150)	3.2	(0-30)	CFR136A 624
Trichloroethene	98	(71 - 157)			CFR136A 624
	89	(71 - 157)	10	(0-30)	CFR136A 624
Trichlorofluoromethane	84	(17 - 181)			CFR136A 624
	77	(17 - 181)	8.7	(0-30)	CFR136A 624
Vinyl chloride	80	(10 - 251)			CFR136A 624
	73	(10 - 251)	9.5	(0-30)	CFR136A 624
2-Chloroethyl vinyl ether	58	(10 - 305)			CFR136A 624
	50	(10 - 305)	13	(0-45)	CFR136A 624
1,4-Dioxane	87	(25 - 141)			CFR136A 624
	87	(25 - 141)	0.08	(0-20)	CFR136A 624
Hexane	86	(69 - 143)			CFR136A 624
	87	(69 - 143)	1.4	(0-20)	CFR136A 624
Acetone	133	(42 - 170)			CFR136A 624
	90 p	(42 - 170)	39	(0-20)	CFR136A 624
1,3-Dichloropropene (total)	102	(17 - 183)			CFR136A 624
	96	(17 - 183)	5.6	(0-30)	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(73 - 122)
	89	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	98	(79 - 119)
	104	(79 - 119)
Toluene-d8	99	(80 - 120)
	100	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD
Date Sampled...: 08/20/08 08:00 **Date Received..:** 08/21/08
Prep Date.....: 08/26/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8240472 **Analysis Time..:** 22:57
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Xylenes (total)	ND	60.0	62.7	ug/L	105		CFR136A 624
	ND	60.0	60.7	ug/L	101	3.2	CFR136A 624
Benzene	ND	20.0	20.4	ug/L	102		CFR136A 624
	ND	20.0	19.5	ug/L	98	4.1	CFR136A 624
Bromodichloromethane	ND	20.0	19.3	ug/L	96		CFR136A 624
	ND	20.0	18.4	ug/L	92	4.8	CFR136A 624
Bromoform	ND	20.0	21.1	ug/L	105		CFR136A 624
	ND	20.0	19.8	ug/L	99	6.0	CFR136A 624
Bromomethane	ND	20.0	16.2	ug/L	81		CFR136A 624
	ND	20.0	15.1	ug/L	76	6.9	CFR136A 624
Carbon tetrachloride	ND	20.0	18.9	ug/L	94		CFR136A 624
	ND	20.0	18.1	ug/L	91	4.2	CFR136A 624
Chlorobenzene	ND	20.0	21.0	ug/L	105		CFR136A 624
	ND	20.0	20.2	ug/L	101	4.0	CFR136A 624
Chloroethane	ND	20.0	16.7	ug/L	84		CFR136A 624
	ND	20.0	15.5	ug/L	77	7.5	CFR136A 624
Chloroform	ND	20.0	19.4	ug/L	97		CFR136A 624
	ND	20.0	18.1	ug/L	91	6.7	CFR136A 624
Chloromethane	ND	20.0	16.0	ug/L	80		CFR136A 624
	ND	20.0	14.3	ug/L	72	11	CFR136A 624
Dibromochloromethane	ND	20.0	20.4	ug/L	102		CFR136A 624
	ND	20.0	19.6	ug/L	98	4.0	CFR136A 624
1,2-Dichlorobenzene	ND	20.0	21.7	ug/L	109		CFR136A 624
	ND	20.0	20.5	ug/L	102	5.9	CFR136A 624
1,3-Dichlorobenzene	ND	20.0	21.4	ug/L	107		CFR136A 624
	ND	20.0	19.4	ug/L	97	9.6	CFR136A 624
1,4-Dichlorobenzene	ND	20.0	21.1	ug/L	106		CFR136A 624
	ND	20.0	20.5	ug/L	103	3.0	CFR136A 624
1,1-Dichloroethane	ND	20.0	17.9	ug/L	89		CFR136A 624
	ND	20.0	19.0	ug/L	95	6.0	CFR136A 624
1,2-Dichloroethane	ND	20.0	20.5	ug/L	103		CFR136A 624
	ND	20.0	19.1	ug/L	96	7.0	CFR136A 624
1,1-Dichloroethene	ND	20.0	21.8	ug/L	109		CFR136A 624
	ND	20.0	20.9	ug/L	105	4.2	CFR136A 624
trans-1,2-Dichloroethene	ND	20.0	19.6	ug/L	98		CFR136A 624
	ND	20.0	19.4	ug/L	97	0.99	CFR136A 624
1,2-Dichloropropane	ND	20.0	20.1	ug/L	101		CFR136A 624
	ND	20.0	18.8	ug/L	94	6.9	CFR136A 624
Acrolein	ND	200	452	ug/L	226 a		CFR136A 624
	ND	200	430	ug/L	215 a	4.9	CFR136A 624

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
cis-1,3-Dichloropropene	ND	20.0	20.2	ug/L	101		CFR136A 624
	ND	20.0	18.7	ug/L	94	7.7	CFR136A 624
Acrylonitrile	ND	200	192	ug/L	96		CFR136A 624
	ND	200	196	ug/L	98	2.0	CFR136A 624
trans-1,3-Dichloropropene	ND	20.0	20.4	ug/L	102		CFR136A 624
	ND	20.0	19.7	ug/L	98	3.6	CFR136A 624
Ethylbenzene	ND	20.0	20.7	ug/L	104		CFR136A 624
	ND	20.0	20.1	ug/L	101	3.0	CFR136A 624
Methylene chloride	2.6	20.0	17.7	ug/L	76		CFR136A 624
	2.6	20.0	18.8	ug/L	81	5.7	CFR136A 624
1,1,2,2-Tetrachloroethane	ND	20.0	19.3	ug/L	97		CFR136A 624
	ND	20.0	18.5	ug/L	92	4.3	CFR136A 624
Tetrachloroethene	ND	20.0	20.9	ug/L	104		CFR136A 624
	ND	20.0	20.4	ug/L	102	2.6	CFR136A 624
Toluene	ND	20.0	20.6	ug/L	103		CFR136A 624
	ND	20.0	20.0	ug/L	100	3.3	CFR136A 624
1,1,1-Trichloroethane	ND	20.0	19.8	ug/L	99		CFR136A 624
	ND	20.0	17.9	ug/L	90	10	CFR136A 624
1,1,2-Trichloroethane	ND	20.0	21.5	ug/L	108		CFR136A 624
	ND	20.0	20.9	ug/L	104	3.2	CFR136A 624
Trichloroethene	ND	20.0	19.6	ug/L	98		CFR136A 624
	ND	20.0	17.8	ug/L	89	10	CFR136A 624
Trichlorofluoromethane	ND	20.0	16.8	ug/L	84		CFR136A 624
	ND	20.0	15.4	ug/L	77	8.7	CFR136A 624
Vinyl chloride	ND	20.0	15.9	ug/L	80		CFR136A 624
	ND	20.0	14.5	ug/L	73	9.5	CFR136A 624
2-Chloroethyl vinyl ether	ND	20.0	11.5	ug/L	58		CFR136A 624
	ND	20.0	10.1	ug/L	50	13	CFR136A 624
1,4-Dioxane	ND	1000	873	ug/L	87		CFR136A 624
	ND	1000	873	ug/L	87	0.08	CFR136A 624
Hexane	ND	20.0	17.2	ug/L	86		CFR136A 624
	ND	20.0	17.5	ug/L	87	1.4	CFR136A 624
Acetone	ND	80.0	106	ug/L	133		CFR136A 624
	ND	80.0	71.7	ug/L	90 p	39	CFR136A 624
1,3-Dichloropropene (total)	ND	40.0	40.6	ug/L	102		CFR136A 624
	ND	40.0	38.4	ug/L	96	5.6	CFR136A 624

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	88	(73 - 122)
	89	(73 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVJ8P1EL-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H210294-001 KVJ8P1EM-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	98	(79 - 119)
	104	(79 - 119)
Toluene-d8	99	(80 - 120)
	100	(80 - 120)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEN51AA **Matrix.....:** SOLID
MB Lot-Sample #: D8H180000-462

Prep Date.....: 08/15/08 **Analysis Time..:** 10:55
Analysis Date..: 08/15/08 **Prep Batch #...:** 8231462
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Chloroethyl vinyl ether	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
1,2-Dichlorobenzene	**0.73 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,3-Dichlorobenzene	**0.55 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	2.5	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	**1.5 J**	**5.0**	**ug/kg**	**SW846 8260B**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(10 - 179)
1,2-Dichloroethane-d4	90	(60 - 143)
4-Bromofluorobenzene	99	(59 - 129)
Toluene-d8	100	(68 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEN51AA **Matrix.....:** SOLID

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEN51AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H180000-462
Prep Date.....: 08/15/08 **Analysis Date..:** 08/15/08
Prep Batch #...: 8231462 **Analysis Time..:** 11:44
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**100**	**(76 - 120)**	**SW846 8260B**
Bromodichloromethane	**118**	**(67 - 122)**	**SW846 8260B**
Carbon tetrachloride	**95**	**(69 - 147)**	**SW846 8260B**
Chlorobenzene	**106**	**(74 - 120)**	**SW846 8260B**
Chloroform	**110**	**(77 - 125)**	**SW846 8260B**
1,3-Dichlorobenzene	**103**	**(74 - 120)**	**SW846 8260B**
1,1-Dichloroethane	**118**	**(74 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**79**	**(77 - 143)**	**SW846 8260B**
trans-1,2-Dichloroethene	**100**	**(80 - 127)**	**SW846 8260B**
1,2-Dichloropropane	**110**	**(77 - 143)**	**SW846 8260B**
Ethylbenzene	**100**	**(78 - 120)**	**SW846 8260B**
Methylene chloride	**104**	**(76 - 120)**	**SW846 8260B**
Tetrachloroethene	**99**	**(71 - 120)**	**SW846 8260B**
Toluene	**102**	**(72 - 120)**	**SW846 8260B**
1,1,1-Trichloroethane	**97**	**(67 - 143)**	**SW846 8260B**
Trichloroethene	**105**	**(78 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(75 - 121)
1,2-Dichloroethane-d4	92	(58 - 140)
4-Bromofluorobenzene	95	(76 - 127)
Toluene-d8	97	(80 - 126)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEN51AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H180000-462
Prep Date.....: 08/15/08 **Analysis Date..:** 08/15/08
Prep Batch #...: 8231462 **Analysis Time..:** 11:44
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**50.0**	**ug/kg**	**100**	**SW846 8260B**
Bromodichloromethane	**50.0**	**58.9**	**ug/kg**	**118**	**SW846 8260B**
Carbon tetrachloride	**50.0**	**47.5**	**ug/kg**	**95**	**SW846 8260B**
Chlorobenzene	**50.0**	**52.8**	**ug/kg**	**106**	**SW846 8260B**
Chloroform	**50.0**	**55.0**	**ug/kg**	**110**	**SW846 8260B**
1,3-Dichlorobenzene	**50.0**	**51.6**	**ug/kg**	**103**	**SW846 8260B**
1,1-Dichloroethane	**50.0**	**59.2**	**ug/kg**	**118**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**39.5**	**ug/kg**	**79**	**SW846 8260B**
trans-1,2-Dichloroethene	**50.0**	**50.1**	**ug/kg**	**100**	**SW846 8260B**
1,2-Dichloropropane	**50.0**	**54.9**	**ug/kg**	**110**	**SW846 8260B**
Ethylbenzene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Methylene chloride	**50.0**	**51.8**	**ug/kg**	**104**	**SW846 8260B**
Tetrachloroethene	**50.0**	**49.6**	**ug/kg**	**99**	**SW846 8260B**
Toluene	**50.0**	**51.0**	**ug/kg**	**102**	**SW846 8260B**
1,1,1-Trichloroethane	**50.0**	**48.4**	**ug/kg**	**97**	**SW846 8260B**
Trichloroethene	**50.0**	**52.6**	**ug/kg**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(75 - 121)
1,2-Dichloroethane-d4	92	(58 - 140)
4-Bromofluorobenzene	95	(76 - 127)
Toluene-d8	97	(80 - 126)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT5VH1DE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140223-001 KT5VH1DF-MSD
Date Sampled...: 08/13/08 09:40 **Date Received..:** 08/14/08
Prep Date.....: 08/15/08 **Analysis Date..:** 08/15/08
Prep Batch #...: 8231462 **Analysis Time..:** 12:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**67**	**(41 - 130)**			**SW846 8260B**
	69	**(41 - 130)**	**2.4**	**(0-25)**	**SW846 8260B**
Bromodichloromethane	**67**	**(50 - 150)**			**SW846 8260B**
	68	**(50 - 150)**	**1.9**	**(0-30)**	**SW846 8260B**
Carbon tetrachloride	**64**	**(50 - 150)**			**SW846 8260B**
	61	**(50 - 150)**	**6.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**54**	**(31 - 129)**			**SW846 8260B**
	50	**(31 - 129)**	**7.1**	**(0-29)**	**SW846 8260B**
Chloroform	**73**	**(50 - 150)**			**SW846 8260B**
	74	**(50 - 150)**	**1.1**	**(0-30)**	**SW846 8260B**
1,3-Dichlorobenzene	**33 a**	**(50 - 150)**			**SW846 8260B**
	34 a	**(50 - 150)**	**2.6**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	**80**	**(50 - 150)**			**SW846 8260B**
	76	**(50 - 150)**	**5.2**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**58**	**(32 - 146)**			**SW846 8260B**
	62	**(32 - 146)**	**7.6**	**(0-30)**	**SW846 8260B**
trans-1,2-Dichloroethene	**69**	**(50 - 150)**			**SW846 8260B**
	69	**(50 - 150)**	**0.96**	**(0-30)**	**SW846 8260B**
1,2-Dichloropropane	**70**	**(50 - 150)**			**SW846 8260B**
	74	**(50 - 150)**	**5.6**	**(0-30)**	**SW846 8260B**
Ethylbenzene	**54**	**(50 - 150)**			**SW846 8260B**
	48 a	**(50 - 150)**	**12**	**(0-30)**	**SW846 8260B**
Methylene chloride	**67**	**(50 - 150)**			**SW846 8260B**
	70	**(50 - 150)**	**3.4**	**(0-30)**	**SW846 8260B**
Tetrachloroethene	**48 a**	**(50 - 150)**			**SW846 8260B**
	50	**(50 - 150)**	**3.5**	**(0-30)**	**SW846 8260B**
Toluene	**66**	**(30 - 130)**			**SW846 8260B**
	57	**(30 - 130)**	**16**	**(0-31)**	**SW846 8260B**
1,1,1-Trichloroethane	**64**	**(50 - 150)**			**SW846 8260B**
	65	**(50 - 150)**	**2.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**68**	**(34 - 132)**			**SW846 8260B**
	71	**(34 - 132)**	**4.0**	**(0-49)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(10 - 179)
	97	(10 - 179)
1,2-Dichloroethane-d4	94	(60 - 143)
	92	(60 - 143)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT5VH1DE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140223-001 KT5VH1DF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	103	(59 - 129)
	99	(59 - 129)
Toluene-d8	99	(68 - 134)
	87	(68 - 134)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT5VH1DE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140223-001 KT5VH1DF-MSD
Date Sampled...: 08/13/08 09:40 **Date Received..:** 08/14/08
Prep Date.....: 08/15/08 **Analysis Date..:** 08/15/08
Prep Batch #...: 8231462 **Analysis Time..:** 12:40
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	71.9	48.5	ug/kg	67		SW846 8260B
	ND	71.9	49.7	ug/kg	69	2.4	SW846 8260B
Bromodichloromethane	ND	71.9	48.3	ug/kg	67		SW846 8260B
	ND	71.9	49.2	ug/kg	68	1.9	SW846 8260B
Carbon tetrachloride	ND	71.9	46.4	ug/kg	64		SW846 8260B
	ND	71.9	43.6	ug/kg	61	6.1	SW846 8260B
Chlorobenzene	ND	71.9	38.9	ug/kg	54		SW846 8260B
	ND	71.9	36.2	ug/kg	50	7.1	SW846 8260B
Chloroform	ND	71.9	52.3	ug/kg	73		SW846 8260B
	ND	71.9	52.9	ug/kg	74	1.1	SW846 8260B
1,3-Dichlorobenzene	0.76	71.9	24.7	ug/kg	33 a		SW846 8260B
	0.76	71.9	25.4	ug/kg	34 a	2.6	SW846 8260B
1,1-Dichloroethane	ND	71.9	57.5	ug/kg	80		SW846 8260B
	ND	71.9	54.6	ug/kg	76	5.2	SW846 8260B
1,1-Dichloroethene	ND	71.9	41.6	ug/kg	58		SW846 8260B
	ND	71.9	44.9	ug/kg	62	7.6	SW846 8260B
trans-1,2-Dichloroethene	ND	71.9	50.0	ug/kg	69		SW846 8260B
	ND	71.9	49.5	ug/kg	69	0.96	SW846 8260B
1,2-Dichloropropane	ND	71.9	50.0	ug/kg	70		SW846 8260B
	ND	71.9	52.9	ug/kg	74	5.6	SW846 8260B
Ethylbenzene	ND	71.9	38.6	ug/kg	54		SW846 8260B
	ND	71.9	34.3	ug/kg	48 a	12	SW846 8260B
Methylene chloride	2.6	71.9	51.0	ug/kg	67		SW846 8260B
	2.6	71.9	52.7	ug/kg	70	3.4	SW846 8260B
Tetrachloroethene	ND	71.9	34.6	ug/kg	48 a		SW846 8260B
	ND	71.9	35.9	ug/kg	50	3.5	SW846 8260B
Toluene	ND	71.9	47.7	ug/kg	66		SW846 8260B
	ND	71.9	40.8	ug/kg	57	16	SW846 8260B
1,1,1-Trichloroethane	ND	71.9	45.9	ug/kg	64		SW846 8260B
	ND	71.9	47.0	ug/kg	65	2.5	SW846 8260B
Trichloroethene	ND	71.9	48.8	ug/kg	68		SW846 8260B
	ND	71.9	50.8	ug/kg	71	4.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(10 - 179)
	97	(10 - 179)
1,2-Dichloroethane-d4	94	(60 - 143)
	92	(60 - 143)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8H140359 **Work Order #...:** KT5VH1DE-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140223-001 KT5VH1DF-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	103	(59 - 129)
	99	(59 - 129)
Toluene-d8	99	(68 - 134)
	87	(68 - 134)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359
MB Lot-Sample #: D8H150000-143
Work Order #...: KT7FV1AA
Matrix.....: WATER
Prep Date.....: 08/15/08
Analysis Time..: 11:09
Analysis Date..: 08/20/08
Prep Batch #...: 8228143
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)-ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
4-Chloro-3-methylphenol	ND	20	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	20	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	50	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	20	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	20	ug/L	CFR136A 625
2-Methyl-4,6-dinitro-phenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	20	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	20	ug/L	CFR136A 625
Di-n-octyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluoranthene	ND	20	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	20	ug/L	CFR136A 625
2-Nitrophenol	ND	20	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	20	ug/L	CFR136A 625
Pentachlorophenol	ND	60	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro-benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro-phenol	ND	20	ug/L	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(49 - 120)
Phenol-d5	81	(54 - 120)
Nitrobenzene-d5	78	(56 - 120)
2-Fluorobiphenyl	56	(52 - 120)
2,4,6-Tribromophenol	77	(56 - 120)
Terphenyl-d14	86	(50 - 120)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AA **Matrix.....:** WATER
MB Lot-Sample #: D8H190000-166

Prep Date.....: 08/19/08 **Analysis Time..:** 11:09
Analysis Date..: 08/22/08 **Prep Batch #...:** 8232166
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	CFR136A 625
Acenaphthylene	ND	10	ug/L	CFR136A 625
Anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)anthracene	ND	10	ug/L	CFR136A 625
Benzo(a)pyrene	ND	10	ug/L	CFR136A 625
Benzo(b)fluoranthene	ND	10	ug/L	CFR136A 625
Benzo(ghi)perylene	ND	10	ug/L	CFR136A 625
Benzo(k)fluoranthene	ND	10	ug/L	CFR136A 625
4-Bromophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Butyl benzyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Chloroethoxy) methane	ND	10	ug/L	CFR136A 625
bis(2-Chloroethyl)-ether	ND	10	ug/L	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	10	ug/L	CFR136A 625
4-Chloro-3-methylphenol	ND	20	ug/L	CFR136A 625
2-Chloronaphthalene	ND	10	ug/L	CFR136A 625
2-Chlorophenol	ND	10	ug/L	CFR136A 625
4-Chlorophenyl phenyl ether	ND	10	ug/L	CFR136A 625
Chrysene	ND	10	ug/L	CFR136A 625
Dibenz(a,h)anthracene	ND	10	ug/L	CFR136A 625
Di-n-butyl phthalate	ND	20	ug/L	CFR136A 625
1,2-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,3-Dichlorobenzene	ND	10	ug/L	CFR136A 625
1,4-Dichlorobenzene	ND	10	ug/L	CFR136A 625
3,3'-Dichlorobenzidine	ND	50	ug/L	CFR136A 625
2,4-Dichlorophenol	ND	10	ug/L	CFR136A 625
Diethyl phthalate	ND	20	ug/L	CFR136A 625
2,4-Dimethylphenol	ND	10	ug/L	CFR136A 625
Dimethyl phthalate	ND	20	ug/L	CFR136A 625
2-Methyl-4,6-dinitro-phenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrophenol	ND	60	ug/L	CFR136A 625
2,4-Dinitrotoluene	ND	20	ug/L	CFR136A 625
2,6-Dinitrotoluene	ND	20	ug/L	CFR136A 625
Di-n-octyl phthalate	ND	20	ug/L	CFR136A 625
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	CFR136A 625

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Fluoranthene	ND	20	ug/L	CFR136A 625
Fluorene	ND	10	ug/L	CFR136A 625
Hexachlorobenzene	ND	10	ug/L	CFR136A 625
Hexachlorobutadiene	ND	10	ug/L	CFR136A 625
Hexachloroethane	ND	10	ug/L	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	CFR136A 625
Isophorone	ND	10	ug/L	CFR136A 625
Naphthalene	ND	10	ug/L	CFR136A 625
Nitrobenzene	ND	20	ug/L	CFR136A 625
2-Nitrophenol	ND	20	ug/L	CFR136A 625
4-Nitrophenol	ND	50	ug/L	CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	20	ug/L	CFR136A 625
Pentachlorophenol	ND	60	ug/L	CFR136A 625
Phenanthrene	ND	10	ug/L	CFR136A 625
Phenol	ND	10	ug/L	CFR136A 625
Pyrene	ND	10	ug/L	CFR136A 625
1,2,4-Trichloro-benzene	ND	10	ug/L	CFR136A 625
2,4,6-Trichloro-phenol	ND	20	ug/L	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	97	(49 - 120)
Phenol-d5	102	(54 - 120)
Nitrobenzene-d5	101	(56 - 120)
2-Fluorobiphenyl	77	(52 - 120)
2,4,6-Tribromophenol	93	(56 - 120)
Terphenyl-d14	111	(50 - 120)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H150000-143
Prep Date.....: 08/15/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8228143 **Analysis Time..:** 11:29
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	80	(58 - 120)	CFR136A 625
Acenaphthylene	82	(58 - 120)	CFR136A 625
Anthracene	87	(62 - 120)	CFR136A 625
Benzo(a)anthracene	87	(60 - 120)	CFR136A 625
Benzo(a)pyrene	86	(58 - 120)	CFR136A 625
Benzo(b)fluoranthene	85	(55 - 120)	CFR136A 625
Benzo(ghi)perylene	94	(52 - 120)	CFR136A 625
Benzo(k)fluoranthene	99	(57 - 120)	CFR136A 625
4-Bromophenyl phenyl ether	88	(61 - 120)	CFR136A 625
Butyl benzyl phthalate	102	(60 - 120)	CFR136A 625
bis(2-Chloroethoxy) methane	79	(56 - 120)	CFR136A 625
bis(2-Chloroethyl)-ether	77	(55 - 120)	CFR136A 625
bis(2-Chloroisopropyl) ether	64	(57 - 120)	CFR136A 625
4-Chloro-3-methylphenol	87	(63 - 120)	CFR136A 625
2-Chloronaphthalene	77	(60 - 118)	CFR136A 625
2-Chlorophenol	79	(57 - 120)	CFR136A 625
4-Chlorophenyl phenyl ether	85	(60 - 120)	CFR136A 625
Chrysene	88	(60 - 120)	CFR136A 625
Dibenz(a,h)anthracene	96	(58 - 120)	CFR136A 625
Di-n-butyl phthalate	95	(62 - 118)	CFR136A 625
1,2-Dichlorobenzene	57	(48 - 120)	CFR136A 625
1,3-Dichlorobenzene	53	(45 - 120)	CFR136A 625
1,4-Dichlorobenzene	53	(45 - 120)	CFR136A 625
3,3'-Dichlorobenzidine	86	(34 - 120)	CFR136A 625
2,4-Dichlorophenol	80	(60 - 120)	CFR136A 625
Diethyl phthalate	90	(61 - 114)	CFR136A 625
2,4-Dimethylphenol	66	(44 - 119)	CFR136A 625
Dimethyl phthalate	88	(61 - 112)	CFR136A 625
4,6-Dinitro-2-methylphenol	90	(41 - 120)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H150000-143

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4-Dinitrophenol	84	(36 - 121)	CFR136A 625
2,4-Dinitrotoluene	93	(60 - 120)	CFR136A 625
2,6-Dinitrotoluene	85	(61 - 120)	CFR136A 625
Di-n-octyl phthalate	100	(59 - 120)	CFR136A 625
bis(2-Ethylhexyl) phthalate	99	(58 - 120)	CFR136A 625
Fluoranthene	91	(59 - 120)	CFR136A 625
Fluorene	84	(60 - 120)	CFR136A 625
Hexachlorobenzene	89	(62 - 120)	CFR136A 625
Hexachlorobutadiene	53	(49 - 116)	CFR136A 625
Hexachloroethane	50	(43 - 113)	CFR136A 625
Indeno(1,2,3-cd)pyrene	93	(56 - 120)	CFR136A 625
Isophorone	78	(54 - 120)	CFR136A 625
Naphthalene	65	(52 - 120)	CFR136A 625
Nitrobenzene	81	(58 - 120)	CFR136A 625
2-Nitrophenol	81	(59 - 120)	CFR136A 625
4-Nitrophenol	100	(53 - 120)	CFR136A 625
N-Nitrosodi-n-propyl-amine	82	(58 - 120)	CFR136A 625
Pentachlorophenol	91	(49 - 120)	CFR136A 625
Phenanthrene	88	(63 - 120)	CFR136A 625
Phenol	80	(58 - 112)	CFR136A 625
Pyrene	87	(60 - 115)	CFR136A 625
1,2,4-Trichloro-benzene	59	(50 - 120)	CFR136A 625
2,4,6-Trichloro-phenol	86	(60 - 120)	CFR136A 625
Benzidine	90	(10 - 218)	CFR136A 625
Hexachlorocyclopenta-diene	38	(10 - 120)	CFR136A 625
N-Nitrosodimethylamine	73	(52 - 120)	CFR136A 625
N-Nitrosodiphenylamine	73	(10 - 203)	CFR136A 625
4-Methylphenol	81	(58 - 120)	CFR136A 625
2-Methylphenol	85	(56 - 120)	CFR136A 625
n-Decane	42	(28 - 120)	CFR136A 625
2-Methylnaphthalene	69	(57 - 120)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H150000-143

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	87	(53 - 120)
Phenol-d5	91	(57 - 120)
Nitrobenzene-d5	90	(59 - 120)
2-Fluorobiphenyl	74	(49 - 120)
2,4,6-Tribromophenol	103	(50 - 120)
Terphenyl-d14	106	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 Work Order #...: KT7FV1AC Matrix.....: WATER
LCS Lot-Sample#: D8H150000-143
Prep Date.....: 08/15/08 Analysis Date..: 08/20/08
Prep Batch #...: 8228143 Analysis Time..: 11:29
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	100	79.8	ug/L	80	CFR136A 625
Acenaphthylene	100	82.4	ug/L	82	CFR136A 625
Anthracene	100	86.9	ug/L	87	CFR136A 625
Benzo(a)anthracene	100	86.8	ug/L	87	CFR136A 625
Benzo(a)pyrene	100	86.4	ug/L	86	CFR136A 625
Benzo(b)fluoranthene	100	84.5	ug/L	85	CFR136A 625
Benzo(ghi)perylene	100	94.0	ug/L	94	CFR136A 625
Benzo(k)fluoranthene	100	98.8	ug/L	99	CFR136A 625
4-Bromophenyl phenyl ether	100	88.1	ug/L	88	CFR136A 625
Butyl benzyl phthalate	100	102	ug/L	102	CFR136A 625
bis(2-Chloroethoxy) methane	100	79.2	ug/L	79	CFR136A 625
bis(2-Chloroethyl)- ether	100	76.8	ug/L	77	CFR136A 625
bis(2-Chloroisopropyl) ether	100	64.2	ug/L	64	CFR136A 625
4-Chloro-3-methylphenol	100	87.2	ug/L	87	CFR136A 625
2-Chloronaphthalene	100	77.4	ug/L	77	CFR136A 625
2-Chlorophenol	100	79.2	ug/L	79	CFR136A 625
4-Chlorophenyl phenyl ether	100	85.2	ug/L	85	CFR136A 625
Chrysene	100	87.7	ug/L	88	CFR136A 625
Dibenz(a,h)anthracene	100	95.6	ug/L	96	CFR136A 625
Di-n-butyl phthalate	100	95.3	ug/L	95	CFR136A 625
1,2-Dichlorobenzene	100	57.0	ug/L	57	CFR136A 625
1,3-Dichlorobenzene	100	52.6	ug/L	53	CFR136A 625
1,4-Dichlorobenzene	100	53.5	ug/L	53	CFR136A 625
3,3'-Dichlorobenzidine	100	85.9	ug/L	86	CFR136A 625
2,4-Dichlorophenol	100	80.1	ug/L	80	CFR136A 625
Diethyl phthalate	100	89.9	ug/L	90	CFR136A 625
2,4-Dimethylphenol	100	65.7	ug/L	66	CFR136A 625
Dimethyl phthalate	100	88.2	ug/L	88	CFR136A 625
4,6-Dinitro- 2-methylphenol	100	90.2	ug/L	90	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H150000-143

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4-Dinitrophenol	100	84.0	ug/L	84	CFR136A 625
2,4-Dinitrotoluene	100	92.8	ug/L	93	CFR136A 625
2,6-Dinitrotoluene	100	85.0	ug/L	85	CFR136A 625
Di-n-octyl phthalate	100	100	ug/L	100	CFR136A 625
bis(2-Ethylhexyl) phthalate	100	98.8	ug/L	99	CFR136A 625
Fluoranthene	100	90.9	ug/L	91	CFR136A 625
Fluorene	100	83.7	ug/L	84	CFR136A 625
Hexachlorobenzene	100	89.4	ug/L	89	CFR136A 625
Hexachlorobutadiene	100	53.2	ug/L	53	CFR136A 625
Hexachloroethane	100	49.7	ug/L	50	CFR136A 625
Indeno(1,2,3-cd)pyrene	100	93.2	ug/L	93	CFR136A 625
Isophorone	100	78.3	ug/L	78	CFR136A 625
Naphthalene	100	64.8	ug/L	65	CFR136A 625
Nitrobenzene	100	81.1	ug/L	81	CFR136A 625
2-Nitrophenol	100	80.8	ug/L	81	CFR136A 625
4-Nitrophenol	100	99.7	ug/L	100	CFR136A 625
N-Nitrosodi-n-propyl-amine	100	81.7	ug/L	82	CFR136A 625
Pentachlorophenol	100	91.0	ug/L	91	CFR136A 625
Phenanthrene	100	87.9	ug/L	88	CFR136A 625
Phenol	100	79.8	ug/L	80	CFR136A 625
Pyrene	100	86.7	ug/L	87	CFR136A 625
1,2,4-Trichloro-benzene	100	58.6	ug/L	59	CFR136A 625
2,4,6-Trichloro-phenol	100	86.4	ug/L	86	CFR136A 625
Benzidine	150	135	ug/L	90	CFR136A 625
Hexachlorocyclopenta-diene	100	38.0	ug/L	38	CFR136A 625
N-Nitrosodimethylamine	100	72.9	ug/L	73	CFR136A 625
N-Nitrosodiphenylamine	100	73.4	ug/L	73	CFR136A 625
4-Methylphenol	100	81.1	ug/L	81	CFR136A 625
2-Methylphenol	100	85.3	ug/L	85	CFR136A 625
n-Decane	100	42.1	ug/L	42	CFR136A 625
2-Methylnaphthalene	100	69.3	ug/L	69	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT7FV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D8H150000-143

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	87	(53 - 120)
Phenol-d5	91	(57 - 120)
Nitrobenzene-d5	90	(59 - 120)
2-Fluorobiphenyl	74	(49 - 120)
2,4,6-Tribromophenol	103	(50 - 120)
Terphenyl-d14	106	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD
Prep Date.....: 08/19/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8232166 **Analysis Time..:** 11:29
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	85	(58 - 120)			CFR136A 625
	85	(58 - 120)	0.37	(0-30)	CFR136A 625
Acenaphthylene	88	(58 - 120)			CFR136A 625
	88	(58 - 120)	0.030	(0-30)	CFR136A 625
Anthracene	88	(62 - 120)			CFR136A 625
	89	(62 - 120)	1.8	(0-30)	CFR136A 625
Benzo(a)anthracene	86	(60 - 120)			CFR136A 625
	88	(60 - 120)	2.9	(0-30)	CFR136A 625
Benzo(a)pyrene	86	(58 - 120)			CFR136A 625
	88	(58 - 120)	2.3	(0-73)	CFR136A 625
Benzo(b)fluoranthene	92	(55 - 120)			CFR136A 625
	103	(55 - 120)	10	(0-90)	CFR136A 625
Benzo(ghi)perylene	92	(52 - 120)			CFR136A 625
	93	(52 - 120)	1.2	(0-64)	CFR136A 625
Benzo(k)fluoranthene	94	(57 - 120)			CFR136A 625
	90	(57 - 120)	4.8	(0-50)	CFR136A 625
4-Bromophenyl phenyl ether	90	(61 - 120)			CFR136A 625
	91	(61 - 120)	1.8	(0-34)	CFR136A 625
Butyl benzyl phthalate	98	(60 - 120)			CFR136A 625
	101	(60 - 120)	3.2	(0-30)	CFR136A 625
bis(2-Chloroethoxy) methane	85	(56 - 120)			CFR136A 625
	86	(56 - 120)	1.5	(0-30)	CFR136A 625
bis(2-Chloroethyl)-ether	82	(55 - 120)			CFR136A 625
	83	(55 - 120)	1.1	(0-30)	CFR136A 625
bis(2-Chloroisopropyl) ether	67	(57 - 120)			CFR136A 625
	70	(57 - 120)	4.0	(0-30)	CFR136A 625
4-Chloro-3-methylphenol	91	(63 - 120)			CFR136A 625
	92	(63 - 120)	0.37	(0-30)	CFR136A 625
2-Chloronaphthalene	84	(60 - 118)			CFR136A 625
	83	(60 - 118)	0.28	(0-30)	CFR136A 625
2-Chlorophenol	84	(57 - 120)			CFR136A 625
	85	(57 - 120)	0.75	(0-30)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Chlorophenyl phenyl ether	89	(60 - 120)			CFR136A 625
	90	(60 - 120)	0.56	(0-30)	CFR136A 625
Chrysene	85	(60 - 120)			CFR136A 625
	88	(60 - 120)	3.0	(0-30)	CFR136A 625
Dibenz(a,h)anthracene	96	(58 - 120)			CFR136A 625
	98	(58 - 120)	2.0	(0-78)	CFR136A 625
Di-n-butyl phthalate	97	(62 - 118)			CFR136A 625
	98	(62 - 118)	1.2	(0-30)	CFR136A 625
1,2-Dichlorobenzene	56	(48 - 120)			CFR136A 625
	59	(48 - 120)	5.1	(0-42)	CFR136A 625
1,3-Dichlorobenzene	50	(45 - 120)			CFR136A 625
	55	(45 - 120)	8.2	(0-47)	CFR136A 625
1,4-Dichlorobenzene	52	(45 - 120)			CFR136A 625
	56	(45 - 120)	7.6	(0-49)	CFR136A 625
3,3'-Dichlorobenzidine	81	(34 - 120)			CFR136A 625
	87	(34 - 120)	7.7	(0-50)	CFR136A 625
2,4-Dichlorophenol	88	(60 - 120)			CFR136A 625
	89	(60 - 120)	1.1	(0-30)	CFR136A 625
Diethyl phthalate	91	(61 - 114)			CFR136A 625
	93	(61 - 114)	2.4	(0-30)	CFR136A 625
2,4-Dimethylphenol	65	(44 - 119)			CFR136A 625
	63	(44 - 119)	3.1	(0-35)	CFR136A 625
Dimethyl phthalate	88	(61 - 112)			CFR136A 625
	90	(61 - 112)	2.1	(0-30)	CFR136A 625
4,6-Dinitro-2-methylphenol	85	(41 - 120)			CFR136A 625
	88	(41 - 120)	3.5	(0-55)	CFR136A 625
2,4-Dinitrophenol	75	(36 - 121)			CFR136A 625
	82	(36 - 121)	8.9	(0-61)	CFR136A 625
2,4-Dinitrotoluene	91	(60 - 120)			CFR136A 625
	94	(60 - 120)	3.6	(0-35)	CFR136A 625
2,6-Dinitrotoluene	85	(61 - 120)			CFR136A 625
	87	(61 - 120)	2.6	(0-30)	CFR136A 625
Di-n-octyl phthalate	97	(59 - 120)			CFR136A 625
	101	(59 - 120)	3.7	(0-30)	CFR136A 625
bis(2-Ethylhexyl) phthalate	96	(58 - 120)			CFR136A 625
	99	(58 - 120)	3.4	(0-30)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	90	(59 - 120)			CFR136A 625
	92	(59 - 120)	1.6	(0-30)	CFR136A 625
Fluorene	87	(60 - 120)			CFR136A 625
	87	(60 - 120)	0.12	(0-30)	CFR136A 625
Hexachlorobenzene	90	(62 - 120)			CFR136A 625
	91	(62 - 120)	1.4	(0-30)	CFR136A 625
Hexachlorobutadiene	56	(49 - 116)			CFR136A 625
	56	(49 - 116)	0.47	(0-41)	CFR136A 625
Hexachloroethane	47	(43 - 113)			CFR136A 625
	52	(43 - 113)	11	(0-52)	CFR136A 625
Indeno(1,2,3-cd)pyrene	93	(56 - 120)			CFR136A 625
	95	(56 - 120)	1.7	(0-73)	CFR136A 625
Isophorone	84	(54 - 120)			CFR136A 625
	86	(54 - 120)	2.1	(0-30)	CFR136A 625
Naphthalene	69	(52 - 120)			CFR136A 625
	68	(52 - 120)	1.6	(0-30)	CFR136A 625
Nitrobenzene	85	(58 - 120)			CFR136A 625
	86	(58 - 120)	1.0	(0-30)	CFR136A 625
2-Nitrophenol	85	(59 - 120)			CFR136A 625
	86	(59 - 120)	1.4	(0-30)	CFR136A 625
4-Nitrophenol	98	(53 - 120)			CFR136A 625
	103	(53 - 120)	5.1	(0-42)	CFR136A 625
N-Nitrosodi-n-propyl-amine	94	(58 - 120)			CFR136A 625
	94	(58 - 120)	0.12	(0-30)	CFR136A 625
Pentachlorophenol	90	(49 - 120)			CFR136A 625
	88	(49 - 120)	1.5	(0-30)	CFR136A 625
Phenanthrene	88	(63 - 120)			CFR136A 625
	91	(63 - 120)	3.0	(0-30)	CFR136A 625
Phenol	85	(58 - 112)			CFR136A 625
	87	(58 - 112)	1.4	(0-30)	CFR136A 625
Pyrene	87	(60 - 115)			CFR136A 625
	89	(60 - 115)	2.4	(0-30)	CFR136A 625
1,2,4-Trichloro-benzene	63	(50 - 120)			CFR136A 625
	61	(50 - 120)	2.2	(0-35)	CFR136A 625
2,4,6-Trichloro-phenol	91	(60 - 120)			CFR136A 625
	93	(60 - 120)	2.8	(0-30)	CFR136A 625

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzidine	**88**	**(10 - 218)**			**CFR136A 625**
	88	**(10 - 218)**	**0.62**	**(0-50)**	**CFR136A 625**
Hexachlorocyclopenta-diene	**24**	**(10 - 120)**			**CFR136A 625**
	19	**(10 - 120)**	**24**	**(0-82)**	**CFR136A 625**
N-Nitrosodimethylamine	**73**	**(52 - 120)**			**CFR136A 625**
	75	**(52 - 120)**	**1.7**	**(0-30)**	**CFR136A 625**
N-Nitrosodiphenylamine	**74**	**(10 - 203)**			**CFR136A 625**
	76	**(10 - 203)**	**3.6**	**(0-50)**	**CFR136A 625**
4-Methylphenol	**89**	**(58 - 120)**			**CFR136A 625**
	87	**(58 - 120)**	**1.8**	**(0-39)**	**CFR136A 625**
2-Methylphenol	**90**	**(56 - 120)**			**CFR136A 625**
	91	**(56 - 120)**	**1.3**	**(0-35)**	**CFR136A 625**
n-Decane	**40**	**(28 - 120)**			**CFR136A 625**
	46	**(28 - 120)**	**15**	**(0-61)**	**CFR136A 625**
2-Methylnaphthalene	**76**	**(57 - 120)**			**CFR136A 625**
	74	**(57 - 120)**	**2.6**	**(0-30)**	**CFR136A 625**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(53 - 120)
	93	(53 - 120)
Phenol-d5	98	(57 - 120)
	100	(57 - 120)
Nitrobenzene-d5	99	(59 - 120)
	100	(59 - 120)
2-Fluorobiphenyl	89	(49 - 120)
	88	(49 - 120)
2,4,6-Tribromophenol	104	(50 - 120)
	105	(50 - 120)
Terphenyl-d14	105	(63 - 120)
	106	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD
Prep Date.....: 08/19/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8232166 **Analysis Time..:** 11:29
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	85.1	ug/L	85		CFR136A 625
	100	85.4	ug/L	85	0.37	CFR136A 625
Acenaphthylene	100	87.8	ug/L	88		CFR136A 625
	100	87.8	ug/L	88	0.030	CFR136A 625
Anthracene	100	87.7	ug/L	88		CFR136A 625
	100	89.3	ug/L	89	1.8	CFR136A 625
Benzo(a)anthracene	100	85.6	ug/L	86		CFR136A 625
	100	88.1	ug/L	88	2.9	CFR136A 625
Benzo(a)pyrene	100	86.1	ug/L	86		CFR136A 625
	100	88.1	ug/L	88	2.3	CFR136A 625
Benzo(b)fluoranthene	100	92.5	ug/L	92		CFR136A 625
	100	103	ug/L	103	10	CFR136A 625
Benzo(ghi)perylene	100	92.2	ug/L	92		CFR136A 625
	100	93.3	ug/L	93	1.2	CFR136A 625
Benzo(k)fluoranthene	100	94.5	ug/L	94		CFR136A 625
	100	90.1	ug/L	90	4.8	CFR136A 625
4-Bromophenyl phenyl ether	100	89.5	ug/L	90		CFR136A 625
	100	91.2	ug/L	91	1.8	CFR136A 625
Butyl benzyl phthalate	100	97.9	ug/L	98		CFR136A 625
	100	101	ug/L	101	3.2	CFR136A 625
bis(2-Chloroethoxy) methane	100	84.6	ug/L	85		CFR136A 625
	100	85.9	ug/L	86	1.5	CFR136A 625
bis(2-Chloroethyl)-ether	100	82.1	ug/L	82		CFR136A 625
	100	83.0	ug/L	83	1.1	CFR136A 625
bis(2-Chloroisopropyl) ether	100	66.8	ug/L	67		CFR136A 625
	100	69.5	ug/L	70	4.0	CFR136A 625
4-Chloro-3-methylphenol	100	91.3	ug/L	91		CFR136A 625
	100	91.6	ug/L	92	0.37	CFR136A 625
2-Chloronaphthalene	100	83.6	ug/L	84		CFR136A 625
	100	83.4	ug/L	83	0.28	CFR136A 625
2-Chlorophenol	100	84.4	ug/L	84		CFR136A 625
	100	85.1	ug/L	85	0.75	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4-Chlorophenyl phenyl ether	100	89.4	ug/L	89		CFR136A 625
	100	89.9	ug/L	90	0.56	CFR136A 625
Chrysene	100	85.4	ug/L	85		CFR136A 625
	100	88.0	ug/L	88	3.0	CFR136A 625
Dibenz(a,h)anthracene	100	95.6	ug/L	96		CFR136A 625
	100	97.6	ug/L	98	2.0	CFR136A 625
Di-n-butyl phthalate	100	96.5	ug/L	97		CFR136A 625
	100	97.7	ug/L	98	1.2	CFR136A 625
1,2-Dichlorobenzene	100	56.0	ug/L	56		CFR136A 625
	100	59.0	ug/L	59	5.1	CFR136A 625
1,3-Dichlorobenzene	100	50.4	ug/L	50		CFR136A 625
	100	54.8	ug/L	55	8.2	CFR136A 625
1,4-Dichlorobenzene	100	51.6	ug/L	52		CFR136A 625
	100	55.6	ug/L	56	7.6	CFR136A 625
3,3'-Dichlorobenzidine	100	80.7	ug/L	81		CFR136A 625
	100	87.2	ug/L	87	7.7	CFR136A 625
2,4-Dichlorophenol	100	87.6	ug/L	88		CFR136A 625
	100	88.5	ug/L	89	1.1	CFR136A 625
Diethyl phthalate	100	91.1	ug/L	91		CFR136A 625
	100	93.3	ug/L	93	2.4	CFR136A 625
2,4-Dimethylphenol	100	65.3	ug/L	65		CFR136A 625
	100	63.3	ug/L	63	3.1	CFR136A 625
Dimethyl phthalate	100	88.2	ug/L	88		CFR136A 625
	100	90.1	ug/L	90	2.1	CFR136A 625
4,6-Dinitro-2-methylphenol	100	84.5	ug/L	85		CFR136A 625
	100	87.5	ug/L	88	3.5	CFR136A 625
2,4-Dinitrophenol	100	74.8	ug/L	75		CFR136A 625
	100	81.7	ug/L	82	8.9	CFR136A 625
2,4-Dinitrotoluene	100	90.7	ug/L	91		CFR136A 625
	100	94.0	ug/L	94	3.6	CFR136A 625
2,6-Dinitrotoluene	100	84.5	ug/L	85		CFR136A 625
	100	86.7	ug/L	87	2.6	CFR136A 625
Di-n-octyl phthalate	100	97.0	ug/L	97		CFR136A 625
	100	101	ug/L	101	3.7	CFR136A 625
bis(2-Ethylhexyl) phthalate	100	95.8	ug/L	96		CFR136A 625
	100	99.1	ug/L	99	3.4	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Fluoranthene	100	90.2	ug/L	90		CFR136A 625
	100	91.7	ug/L	92	1.6	CFR136A 625
Fluorene	100	87.2	ug/L	87		CFR136A 625
	100	87.3	ug/L	87	0.12	CFR136A 625
Hexachlorobenzene	100	90.0	ug/L	90		CFR136A 625
	100	91.3	ug/L	91	1.4	CFR136A 625
Hexachlorobutadiene	100	56.5	ug/L	56		CFR136A 625
	100	56.2	ug/L	56	0.47	CFR136A 625
Hexachloroethane	100	47.0	ug/L	47		CFR136A 625
	100	52.5	ug/L	52	11	CFR136A 625
Indeno(1,2,3-cd)pyrene	100	93.1	ug/L	93		CFR136A 625
	100	94.7	ug/L	95	1.7	CFR136A 625
Isophorone	100	84.2	ug/L	84		CFR136A 625
	100	86.0	ug/L	86	2.1	CFR136A 625
Naphthalene	100	68.7	ug/L	69		CFR136A 625
	100	67.6	ug/L	68	1.6	CFR136A 625
Nitrobenzene	100	85.0	ug/L	85		CFR136A 625
	100	85.8	ug/L	86	1.0	CFR136A 625
2-Nitrophenol	100	85.2	ug/L	85		CFR136A 625
	100	86.4	ug/L	86	1.4	CFR136A 625
4-Nitrophenol	100	98.1	ug/L	98		CFR136A 625
	100	103	ug/L	103	5.1	CFR136A 625
N-Nitrosodi-n-propyl-amine	100	94.1	ug/L	94		CFR136A 625
	100	94.0	ug/L	94	0.12	CFR136A 625
Pentachlorophenol	100	89.8	ug/L	90		CFR136A 625
	100	88.5	ug/L	88	1.5	CFR136A 625
Phenanthrene	100	88.2	ug/L	88		CFR136A 625
	100	90.9	ug/L	91	3.0	CFR136A 625
Phenol	100	85.5	ug/L	85		CFR136A 625
	100	86.7	ug/L	87	1.4	CFR136A 625
Pyrene	100	86.8	ug/L	87		CFR136A 625
	100	88.9	ug/L	89	2.4	CFR136A 625
1,2,4-Trichloro-benzene	100	62.7	ug/L	63		CFR136A 625
	100	61.3	ug/L	61	2.2	CFR136A 625
2,4,6-Trichloro-phenol	100	90.6	ug/L	91		CFR136A 625
	100	93.2	ug/L	93	2.8	CFR136A 625

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC6F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H190000-166 KVC6F1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzidine	**150**	**133**	**ug/L**	**88**		**CFR136A 625**
	150	**132**	**ug/L**	**88**	**0.62**	**CFR136A 625**
Hexachlorocyclopenta-diene	**100**	**23.8**	**ug/L**	**24**		**CFR136A 625**
	100	**18.6**	**ug/L**	**19**	**24**	**CFR136A 625**
N-Nitrosodimethylamine	**100**	**73.5**	**ug/L**	**73**		**CFR136A 625**
	100	**74.8**	**ug/L**	**75**	**1.7**	**CFR136A 625**
N-Nitrosodiphenylamine	**100**	**73.5**	**ug/L**	**74**		**CFR136A 625**
	100	**76.2**	**ug/L**	**76**	**3.6**	**CFR136A 625**
4-Methylphenol	**100**	**89.0**	**ug/L**	**89**		**CFR136A 625**
	100	**87.4**	**ug/L**	**87**	**1.8**	**CFR136A 625**
2-Methylphenol	**100**	**89.9**	**ug/L**	**90**		**CFR136A 625**
	100	**91.0**	**ug/L**	**91**	**1.3**	**CFR136A 625**
n-Decane	**100**	**39.8**	**ug/L**	**40**		**CFR136A 625**
	100	**46.5**	**ug/L**	**46**	**15**	**CFR136A 625**
2-Methylnaphthalene	**100**	**75.8**	**ug/L**	**76**		**CFR136A 625**
	100	**73.8**	**ug/L**	**74**	**2.6**	**CFR136A 625**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(53 - 120)
	93	(53 - 120)
Phenol-d5	98	(57 - 120)
	100	(57 - 120)
Nitrobenzene-d5	99	(59 - 120)
	100	(59 - 120)
2-Fluorobiphenyl	89	(49 - 120)
	88	(49 - 120)
2,4,6-Tribromophenol	104	(50 - 120)
	105	(50 - 120)
Terphenyl-d14	105	(63 - 120)
	106	(63 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004
Date Sampled...: 08/13/08 09:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8232166
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	84	(56 - 120)	CFR136A 625
Acenaphthylene	87	(53 - 120)	CFR136A 625
Anthracene	86	(57 - 120)	CFR136A 625
Benzo(a)anthracene	88	(56 - 120)	CFR136A 625
Benzo(a)pyrene	85	(51 - 120)	CFR136A 625
Benzo(b)fluoranthene	84	(52 - 120)	CFR136A 625
Benzo(ghi)perylene	82	(47 - 120)	CFR136A 625
Benzo(k)fluoranthene	100	(50 - 120)	CFR136A 625
4-Bromophenyl phenyl ether	86	(57 - 120)	CFR136A 625
Butyl benzyl phthalate	102	(50 - 120)	CFR136A 625
bis(2-Chloroethoxy) methane	85	(55 - 120)	CFR136A 625
bis(2-Chloroethyl)-ether	81	(51 - 120)	CFR136A 625
bis(2-Chloroisopropyl) ether	70	(45 - 120)	CFR136A 625
4-Chloro-3-methylphenol	91	(59 - 120)	CFR136A 625
2-Chloronaphthalene	86	(54 - 118)	CFR136A 625
2-Chlorophenol	85	(54 - 120)	CFR136A 625
4-Chlorophenyl phenyl ether	88	(58 - 120)	CFR136A 625
Chrysene	85	(55 - 120)	CFR136A 625
Dibenz(a,h)anthracene	87	(54 - 120)	CFR136A 625
Di-n-butyl phthalate	92	(58 - 118)	CFR136A 625
1,2-Dichlorobenzene	91	(44 - 120)	CFR136A 625
1,3-Dichlorobenzene	65	(41 - 120)	CFR136A 625
1,4-Dichlorobenzene	65	(40 - 120)	CFR136A 625
3,3'-Dichlorobenzidine	27 a	(34 - 120)	CFR136A 625
2,4-Dichlorophenol	87	(56 - 120)	CFR136A 625
Diethyl phthalate	89	(58 - 114)	CFR136A 625
2,4-Dimethylphenol	78	(38 - 119)	CFR136A 625
Dimethyl phthalate	87	(58 - 112)	CFR136A 625
4,6-Dinitro-2-methylphenol	90	(33 - 120)	CFR136A 625
2,4-Dinitrophenol	89	(33 - 120)	CFR136A 625
2,4-Dinitrotoluene	91	(59 - 120)	CFR136A 625
2,6-Dinitrotoluene	85	(59 - 120)	CFR136A 625

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Di-n-octyl phthalate	104	(57 - 120)	CFR136A 625
bis(2-Ethylhexyl) phthalate	99	(57 - 120)	CFR136A 625
Fluoranthene	88	(57 - 120)	CFR136A 625
Fluorene	85	(57 - 120)	CFR136A 625
Hexachlorobenzene	87	(57 - 120)	CFR136A 625
Hexachlorobutadiene	73	(41 - 116)	CFR136A 625
Hexachloroethane	65	(35 - 113)	CFR136A 625
Indeno(1,2,3-cd)pyrene	84	(53 - 120)	CFR136A 625
Isophorone	84	(59 - 120)	CFR136A 625
Naphthalene	79	(51 - 120)	CFR136A 625
Nitrobenzene	145	(35 - 164)	CFR136A 625
2-Nitrophenol	89	(55 - 120)	CFR136A 625
4-Nitrophenol	102	(54 - 120)	CFR136A 625
N-Nitrosodi-n-propyl-amine	93	(55 - 120)	CFR136A 625
Pentachlorophenol	100	(51 - 120)	CFR136A 625
Phenanthrene	87	(56 - 120)	CFR136A 625
Phenol	90	(54 - 112)	CFR136A 625
Pyrene	87	(54 - 115)	CFR136A 625
1,2,4-Trichloro-benzene	74	(46 - 120)	CFR136A 625
2,4,6-Trichloro-phenol	93	(58 - 120)	CFR136A 625
Benzidine	0.0 a	(10 - 120)	CFR136A 625
Hexachlorocyclopenta-diene	53	(10 - 120)	CFR136A 625
N-Nitrosodimethylamine	73	(46 - 120)	CFR136A 625
N-Nitrosodiphenylamine	73	(40 - 120)	CFR136A 625
4-Methylphenol	90	(57 - 120)	CFR136A 625
2-Methylphenol	90	(53 - 120)	CFR136A 625
n-Decane	71	(17 - 120)	CFR136A 625
2-Methylnaphthalene	82	(56 - 120)	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(49 - 120)
Phenol-d5	98	(54 - 120)
Nitrobenzene-d5	100	(56 - 120)
2-Fluorobiphenyl	92	(52 - 120)
2,4,6-Tribromophenol	103	(56 - 120)
Terphenyl-d14	104	(50 - 120)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004
Date Sampled...: 08/13/08 09:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8232166
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	ND	96.1	80.8	ug/L	84	CFR136A 625
Acenaphthylene	ND	96.1	84.0	ug/L	87	CFR136A 625
Anthracene	ND	96.1	82.7	ug/L	86	CFR136A 625
Benzo(a)anthracene	ND	96.1	84.1	ug/L	88	CFR136A 625
Benzo(a)pyrene	ND	96.1	81.3	ug/L	85	CFR136A 625
Benzo(b)fluoranthene	ND	96.1	80.9	ug/L	84	CFR136A 625
Benzo(ghi)perylene	ND	96.1	78.8	ug/L	82	CFR136A 625
Benzo(k)fluoranthene	ND	96.1	96.2	ug/L	100	CFR136A 625
4-Bromophenyl phenyl ether	ND	96.1	82.1	ug/L	86	CFR136A 625
Butyl benzyl phthalate	ND	96.1	98.3	ug/L	102	CFR136A 625
bis(2-Chloroethoxy) methane	ND	96.1	82.0	ug/L	85	CFR136A 625
bis(2-Chloroethyl)-ether	ND	96.1	77.5	ug/L	81	CFR136A 625
bis(2-Chloroisopropyl) ether	ND	96.1	67.1	ug/L	70	CFR136A 625
4-Chloro-3-methylphenol	ND	96.1	87.3	ug/L	91	CFR136A 625
2-Chloronaphthalene	ND	96.1	82.4	ug/L	86	CFR136A 625
2-Chlorophenol	ND	96.1	81.9	ug/L	85	CFR136A 625
4-Chlorophenyl phenyl ether	ND	96.1	84.2	ug/L	88	CFR136A 625
Chrysene	ND	96.1	81.8	ug/L	85	CFR136A 625
Dibenz(a,h)anthracene	ND	96.1	83.4	ug/L	87	CFR136A 625
Di-n-butyl phthalate	ND	96.1	88.6	ug/L	92	CFR136A 625
1,2-Dichlorobenzene	ND	96.1	87.6	ug/L	91	CFR136A 625
1,3-Dichlorobenzene	ND	96.1	62.7	ug/L	65	CFR136A 625
1,4-Dichlorobenzene	ND	96.1	62.9	ug/L	65	CFR136A 625
3,3'-Dichlorobenzidine	ND	96.1	26.2 a	ug/L	27	CFR136A 625
2,4-Dichlorophenol	ND	96.1	83.9	ug/L	87	CFR136A 625
Diethyl phthalate	ND	96.1	85.9	ug/L	89	CFR136A 625
2,4-Dimethylphenol	ND	96.1	74.8	ug/L	78	CFR136A 625
Dimethyl phthalate	ND	96.1	83.4	ug/L	87	CFR136A 625
4,6-Dinitro-2-methylphenol	ND	96.1	86.2	ug/L	90	CFR136A 625
2,4-Dinitrophenol	ND	96.1	85.1	ug/L	89	CFR136A 625
2,4-Dinitrotoluene	ND	96.1	87.0	ug/L	91	CFR136A 625
2,6-Dinitrotoluene	ND	96.1	81.4	ug/L	85	CFR136A 625

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Di-n-octyl phthalate	ND	96.1	99.8	ug/L	104	CFR136A 625
bis(2-Ethylhexyl) phthalate	1.9	96.1	97.1	ug/L	99	CFR136A 625
Fluoranthene	ND	96.1	84.7	ug/L	88	CFR136A 625
Fluorene	ND	96.1	82.1	ug/L	85	CFR136A 625
Hexachlorobenzene	ND	96.1	83.7	ug/L	87	CFR136A 625
Hexachlorobutadiene	ND	96.1	70.6	ug/L	73	CFR136A 625
Hexachloroethane	ND	96.1	62.1	ug/L	65	CFR136A 625
Indeno(1,2,3-cd)pyrene	ND	96.1	80.8	ug/L	84	CFR136A 625
Isophorone	ND	96.1	80.8	ug/L	84	CFR136A 625
Naphthalene	ND	96.1	75.6	ug/L	79	CFR136A 625
Nitrobenzene	ND	96.1	139	ug/L	145	CFR136A 625
2-Nitrophenol	ND	96.1	85.8	ug/L	89	CFR136A 625
4-Nitrophenol	ND	96.1	98.2	ug/L	102	CFR136A 625
N-Nitrosodi-n-propyl-amine	ND	96.1	89.2	ug/L	93	CFR136A 625
Pentachlorophenol	ND	96.1	95.6	ug/L	100	CFR136A 625
Phenanthrene	ND	96.1	83.4	ug/L	87	CFR136A 625
Phenol	ND	96.1	86.3	ug/L	90	CFR136A 625
Pyrene	ND	96.1	83.8	ug/L	87	CFR136A 625
1,2,4-Trichloro-benzene	1.7	96.1	72.9	ug/L	74	CFR136A 625
2,4,6-Trichloro-phenol	ND	96.1	89.7	ug/L	93	CFR136A 625
Benzidine	ND	96.1	0.0 a	ug/L	0.0	CFR136A 625
Hexachlorocyclopenta-diene	ND	96.1	50.9	ug/L	53	CFR136A 625
N-Nitrosodimethylamine	ND	96.1	70.4	ug/L	73	CFR136A 625
N-Nitrosodiphenylamine	ND	96.1	69.7	ug/L	73	CFR136A 625
4-Methylphenol	ND	96.1	86.4	ug/L	90	CFR136A 625
2-Methylphenol	ND	96.1	86.4	ug/L	90	CFR136A 625
n-Decane	ND	96.1	68.5	ug/L	71	CFR136A 625
2-Methylnaphthalene	ND	96.1	78.4	ug/L	82	CFR136A 625

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(49 - 120)
Phenol-d5	98	(54 - 120)
Nitrobenzene-d5	100	(56 - 120)
2-Fluorobiphenyl	92	(52 - 120)
2,4,6-Tribromophenol	103	(56 - 120)
Terphenyl-d14	104	(50 - 120)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Lot-Sample #...: D8H140359 **Work Order #...:** KT6D61AD **Matrix.....:** WATER
MS Lot-Sample #: D8H140308-004

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.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEVF1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8H190000-471

Prep Date.....: 08/19/08 **Analysis Time..:** 17:15
Analysis Date..: 08/20/08 **Prep Batch #...:** 8232471
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
1,2,4-Trichloro-benzene	ND	330	ug/kg	SW846 8270C
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	**65 J**	**330**	**ug/kg**	**SW846 8270C**
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	660	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	660	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEVF1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1600	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	330	ug/kg	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	95	(34 - 120)
Phenol-d5	97	(37 - 120)
Nitrobenzene-d5	94	(36 - 120)
2-Fluorobiphenyl	92	(36 - 120)
2,4,6-Tribromophenol	79	(30 - 120)
Terphenyl-d14	107	(28 - 120)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEVF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H190000-471
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8232471 **Analysis Time..:** 08:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,4-Dichlorobenzene	**77**	**(43 - 120)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**75**	**(46 - 120)**	**SW846 8270C**
Acenaphthene	**82**	**(46 - 120)**	**SW846 8270C**
Anthracene	**87**	**(57 - 120)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(50 - 120)**	**SW846 8270C**
2-Chlorophenol	**82**	**(49 - 120)**	**SW846 8270C**
Carbazole	**88**	**(54 - 120)**	**SW846 8270C**
2-Methylnaphthalene	**84**	**(55 - 120)**	**SW846 8270C**
2,4-Dinitrotoluene	**85**	**(48 - 120)**	**SW846 8270C**
2-Methylphenol	**77**	**(51 - 120)**	**SW846 8270C**
4-Nitrophenol	**83**	**(41 - 120)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**74**	**(45 - 120)**	**SW846 8270C**
Pentachlorophenol	**73**	**(33 - 120)**	**SW846 8270C**
Phenol	**82**	**(48 - 120)**	**SW846 8270C**
Pyrene	**87**	**(45 - 120)**	**SW846 8270C**
2,4,6-Trichloro-phenol	**74**	**(50 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(49 - 120)
Phenol-d5	94	(49 - 120)
Nitrobenzene-d5	90	(47 - 120)
2-Fluorobiphenyl	92	(44 - 120)
2,4,6-Tribromophenol	88	(44 - 120)
Terphenyl-d14	102	(50 - 120)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVEVF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H190000-471
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8232471 **Analysis Time..:** 08:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,4-Dichlorobenzene	**3360**	**2600**	**ug/kg**	**77**	**SW846 8270C**
1,2,4-Trichloro-benzene	**3360**	**2510**	**ug/kg**	**75**	**SW846 8270C**
Acenaphthene	**3360**	**2770**	**ug/kg**	**82**	**SW846 8270C**
Anthracene	**3360**	**2920**	**ug/kg**	**87**	**SW846 8270C**
4-Chloro-3-methylphenol	**3360**	**2770**	**ug/kg**	**82**	**SW846 8270C**
2-Chlorophenol	**3360**	**2740**	**ug/kg**	**82**	**SW846 8270C**
Carbazole	**3360**	**2970**	**ug/kg**	**88**	**SW846 8270C**
2-Methylnaphthalene	**3360**	**2810**	**ug/kg**	**84**	**SW846 8270C**
2,4-Dinitrotoluene	**3360**	**2840**	**ug/kg**	**85**	**SW846 8270C**
2-Methylphenol	**3360**	**2580**	**ug/kg**	**77**	**SW846 8270C**
4-Nitrophenol	**3360**	**2790**	**ug/kg**	**83**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**3360**	**2490**	**ug/kg**	**74**	**SW846 8270C**
Pentachlorophenol	**3360**	**2470**	**ug/kg**	**73**	**SW846 8270C**
Phenol	**3360**	**2750**	**ug/kg**	**82**	**SW846 8270C**
Pyrene	**3360**	**2910**	**ug/kg**	**87**	**SW846 8270C**
2,4,6-Trichloro-phenol	**3360**	**2500**	**ug/kg**	**74**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(49 - 120)
Phenol-d5	94	(49 - 120)
Nitrobenzene-d5	90	(47 - 120)
2-Fluorobiphenyl	92	(44 - 120)
2,4,6-Tribromophenol	88	(44 - 120)
Terphenyl-d14	102	(50 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT4ET1AK-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H130296-001 KT4ET1AL-MSD
Date Sampled...: 08/13/08 13:30 **Date Received..:** 08/13/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8232471 **Analysis Time..:** 08:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,4-Dichlorobenzene	60	(30 - 120)			SW846 8270C
	61	(30 - 120)	0.91	(0-68)	SW846 8270C
1,2,4-Trichloro-benzene	60	(35 - 120)			SW846 8270C
	60	(35 - 120)	1.0	(0-62)	SW846 8270C
Acenaphthene	79	(36 - 120)			SW846 8270C
	70	(36 - 120)	12	(0-50)	SW846 8270C
Anthracene	92	(57 - 120)			SW846 8270C
	86	(57 - 120)	6.1	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	84	(36 - 120)			SW846 8270C
	74	(36 - 120)	13	(0-50)	SW846 8270C
2-Chlorophenol	43	(32 - 120)			SW846 8270C
	45	(32 - 120)	3.8	(0-62)	SW846 8270C
Carbazole	93	(54 - 120)			SW846 8270C
	85	(54 - 120)	8.9	(0-30)	SW846 8270C
2-Methylnaphthalene	72	(55 - 120)			SW846 8270C
	71	(55 - 120)	1.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	95	(33 - 120)			SW846 8270C
	84	(33 - 120)	12	(0-49)	SW846 8270C
2-Methylphenol	67	(51 - 120)			SW846 8270C
	64	(51 - 120)	3.7	(0-30)	SW846 8270C
4-Nitrophenol	77	(23 - 120)			SW846 8270C
	66	(23 - 120)	16	(0-54)	SW846 8270C
N-Nitrosodi-n-propyl-amine	61	(34 - 120)			SW846 8270C
	62	(34 - 120)	1.5	(0-57)	SW846 8270C
Pentachlorophenol	76	(19 - 120)			SW846 8270C
	54	(19 - 120)	33	(0-60)	SW846 8270C
Phenol	64	(36 - 120)			SW846 8270C
	63	(36 - 120)	2.4	(0-54)	SW846 8270C
Pyrene	97	(16 - 127)			SW846 8270C
	86	(16 - 127)	12	(0-48)	SW846 8270C
2,4,6-Trichloro-phenol	77	(50 - 120)			SW846 8270C
	68	(50 - 120)	13	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT4ET1AK-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H130296-001 KT4ET1AL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	34	(34 - 120)
	34	(34 - 120)
Phenol-d5	71	(37 - 120)
	70	(37 - 120)
Nitrobenzene-d5	73	(36 - 120)
	72	(36 - 120)
2-Fluorobiphenyl	82	(36 - 120)
	76	(36 - 120)
2,4,6-Tribromophenol	96	(30 - 120)
	86	(30 - 120)
Terphenyl-d14	113	(28 - 120)
	101	(28 - 120)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT4ET1AK-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H130296-001 KT4ET1AL-MSD
Date Sampled...: 08/13/08 13:30 **Date Received..:** 08/13/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8232471 **Analysis Time..:** 08:56
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,4-Dichlorobenzene	ND	3350	2010	ug/kg	60		SW846 8270C
	ND	3340	2030	ug/kg	61	0.91	SW846 8270C
1,2,4-Trichloro-benzene	ND	3350	2010	ug/kg	60		SW846 8270C
	ND	3340	1990	ug/kg	60	1.0	SW846 8270C
Acenaphthene	ND	3350	2650	ug/kg	79		SW846 8270C
	ND	3340	2350	ug/kg	70	12	SW846 8270C
Anthracene	ND	3350	3070	ug/kg	92		SW846 8270C
	ND	3340	2890	ug/kg	86	6.1	SW846 8270C
4-Chloro-3-methylphenol	ND	3350	2810	ug/kg	84		SW846 8270C
	ND	3340	2470	ug/kg	74	13	SW846 8270C
2-Chlorophenol	ND	3350	1450	ug/kg	43		SW846 8270C
	ND	3340	1500	ug/kg	45	3.8	SW846 8270C
Carbazole	ND	3350	3130	ug/kg	93		SW846 8270C
	ND	3340	2860	ug/kg	85	8.9	SW846 8270C
2-Methylnaphthalene	ND	3350	2410	ug/kg	72		SW846 8270C
	ND	3340	2380	ug/kg	71	1.1	SW846 8270C
2,4-Dinitrotoluene	ND	3350	3190	ug/kg	95		SW846 8270C
	ND	3340	2820	ug/kg	84	12	SW846 8270C
2-Methylphenol	ND	3350	2240	ug/kg	67		SW846 8270C
	ND	3340	2160	ug/kg	64	3.7	SW846 8270C
4-Nitrophenol	ND	3350	2570	ug/kg	77		SW846 8270C
	ND	3340	2200	ug/kg	66	16	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3350	2050	ug/kg	61		SW846 8270C
	ND	3340	2080	ug/kg	62	1.5	SW846 8270C
Pentachlorophenol	ND	3350	2550	ug/kg	76		SW846 8270C
	ND	3340	1820	ug/kg	54	33	SW846 8270C
Phenol	29	3350	2180	ug/kg	64		SW846 8270C
	29	3340	2130	ug/kg	63	2.4	SW846 8270C
Pyrene	ND	3350	3250	ug/kg	97		SW846 8270C
	ND	3340	2880	ug/kg	86	12	SW846 8270C
2,4,6-Trichloro-phenol	ND	3350	2590	ug/kg	77		SW846 8270C
	ND	3340	2280	ug/kg	68	13	SW846 8270C

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT4ET1AK-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H130296-001 KT4ET1AL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	34	(34 - 120)
	34	(34 - 120)
Phenol-d5	71	(37 - 120)
	70	(37 - 120)
Nitrobenzene-d5	73	(36 - 120)
	72	(36 - 120)
2-Fluorobiphenyl	82	(36 - 120)
	76	(36 - 120)
2,4,6-Tribromophenol	96	(30 - 120)
	86	(30 - 120)
Terphenyl-d14	113	(28 - 120)
	101	(28 - 120)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCM11AA **Matrix.....:** WATER
MB Lot-Sample #: D8H180000-472

Prep Date.....: 08/18/08 **Analysis Time..:** 05:06
Analysis Date..: 08/22/08 **Prep Batch #...:** 8231472
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	CFR136A 608
alpha-BHC	ND	0.050	ug/L	CFR136A 608
beta-BHC	ND	0.050	ug/L	CFR136A 608
delta-BHC	ND	0.050	ug/L	CFR136A 608
gamma-BHC (Lindane)	ND	0.050	ug/L	CFR136A 608
Chlordane (technical)	ND	0.50	ug/L	CFR136A 608
alpha-Chlordane	ND	0.050	ug/L	CFR136A 608
gamma-Chlordane	ND	0.050	ug/L	CFR136A 608
4,4'-DDD	ND	0.10	ug/L	CFR136A 608
4,4'-DDE	ND	0.10	ug/L	CFR136A 608
4,4'-DDT	ND	0.10	ug/L	CFR136A 608
Dieldrin	ND	0.10	ug/L	CFR136A 608
Endosulfan I	ND	0.050	ug/L	CFR136A 608
Endosulfan II	ND	0.10	ug/L	CFR136A 608
Endosulfan sulfate	ND	0.10	ug/L	CFR136A 608
Endrin	ND	0.10	ug/L	CFR136A 608
Endrin aldehyde	ND	0.10	ug/L	CFR136A 608
Endrin ketone	ND	0.10	ug/L	CFR136A 608
Heptachlor	ND	0.050	ug/L	CFR136A 608
Heptachlor epoxide	ND	0.050	ug/L	CFR136A 608
Methoxychlor	ND	0.50	ug/L	CFR136A 608
Mirex	ND	0.050	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(52 - 117)
Decachlorobiphenyl	76	(32 - 144)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCM11AE **Matrix.....:** WATER
MB Lot-Sample #: D8H180000-472

Prep Date.....: 08/18/08 **Analysis Time..:** 16:28
Analysis Date..: 08/21/08 **Prep Batch #...:** 8231472
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	1.0	ug/L	CFR136A 608
Aroclor 1221	ND	2.0	ug/L	CFR136A 608
Aroclor 1232	ND	1.0	ug/L	CFR136A 608
Aroclor 1242	ND	1.0	ug/L	CFR136A 608
Aroclor 1248	ND	1.0	ug/L	CFR136A 608
Aroclor 1254	ND	1.0	ug/L	CFR136A 608
Aroclor 1260	ND	1.0	ug/L	CFR136A 608

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(52 - 117)
Decachlorobiphenyl	106	(32 - 144)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCM11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-472 KVCM11AD-LCSD
Prep Date.....: 08/18/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8231472 **Analysis Time..:** 03:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,4'-DDD	84	(63 - 127)			CFR136A 608
	93	(63 - 127)	10	(0-50)	CFR136A 608
4,4'-DDE	79	(66 - 119)			CFR136A 608
	86	(66 - 119)	9.6	(0-50)	CFR136A 608
4,4'-DDT	88	(53 - 128)			CFR136A 608
	99	(53 - 128)	11	(0-25)	CFR136A 608
Aldrin	64	(43 - 118)			CFR136A 608
	73	(43 - 118)	13	(0-33)	CFR136A 608
alpha-BHC	73	(66 - 115)			CFR136A 608
	84	(66 - 115)	13	(0-50)	CFR136A 608
beta-BHC	82	(69 - 119)			CFR136A 608
	92	(69 - 119)	12	(0-50)	CFR136A 608
delta-BHC	99	(77 - 124)			CFR136A 608
	110	(77 - 124)	10	(0-50)	CFR136A 608
Dieldrin	82	(68 - 119)			CFR136A 608
	91	(68 - 119)	10	(0-22)	CFR136A 608
Endosulfan I	76	(61 - 116)			CFR136A 608
	85	(61 - 116)	11	(0-50)	CFR136A 608
Endosulfan II	81	(63 - 117)			CFR136A 608
	91	(63 - 117)	11	(0-50)	CFR136A 608
Endosulfan sulfate	87	(70 - 119)			CFR136A 608
	96	(70 - 119)	10	(0-50)	CFR136A 608
Endrin aldehyde	74	(55 - 119)			CFR136A 608
	80	(55 - 119)	8.8	(0-50)	CFR136A 608
Endrin	88	(66 - 127)			CFR136A 608
	99	(66 - 127)	12	(0-39)	CFR136A 608
gamma-BHC (Lindane)	77	(65 - 117)			CFR136A 608
	87	(65 - 117)	12	(0-26)	CFR136A 608
Heptachlor epoxide	83	(70 - 119)			CFR136A 608
	91	(70 - 119)	9.5	(0-50)	CFR136A 608
Heptachlor	76	(56 - 116)			CFR136A 608
	86	(56 - 116)	13	(0-27)	CFR136A 608
alpha-Chlordane	80	(66 - 120)			CFR136A 608
	88	(66 - 120)	10	(0-50)	CFR136A 608
gamma-Chlordane	78	(64 - 120)			CFR136A 608
	86	(64 - 120)	10	(0-50)	CFR136A 608
Methoxychlor	91	(50 - 130)			CFR136A 608
	101	(50 - 130)	11	(0-50)	CFR136A 608

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCM11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-472 KVCM11AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(54 - 115)
	82	(54 - 115)
Decachlorobiphenyl	96	(68 - 122)
	104	(68 - 122)

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 #...: D8H140359 **Work Order #...:** KVCM11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-472 KVCM11AD-LCSD
Prep Date.....: 08/18/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8231472 **Analysis Time..:** 03:22
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
4,4'-DDD	0.500	0.418	ug/L	84		CFR136A 608
	0.500	0.464	ug/L	93	10	CFR136A 608
4,4'-DDE	0.500	0.393	ug/L	79		CFR136A 608
	0.500	0.432	ug/L	86	9.6	CFR136A 608
4,4'-DDT	0.500	0.441	ug/L	88		CFR136A 608
	0.500	0.494	ug/L	99	11	CFR136A 608
Aldrin	0.500	0.322	ug/L	64		CFR136A 608
	0.500	0.365	ug/L	73	13	CFR136A 608
alpha-BHC	0.500	0.366	ug/L	73		CFR136A 608
	0.500	0.418	ug/L	84	13	CFR136A 608
beta-BHC	0.500	0.409	ug/L	82		CFR136A 608
	0.500	0.461	ug/L	92	12	CFR136A 608
delta-BHC	0.500	0.497	ug/L	99		CFR136A 608
	0.500	0.552	ug/L	110	10	CFR136A 608
Dieldrin	0.500	0.411	ug/L	82		CFR136A 608
	0.500	0.454	ug/L	91	10	CFR136A 608
Endosulfan I	0.500	0.382	ug/L	76		CFR136A 608
	0.500	0.425	ug/L	85	11	CFR136A 608
Endosulfan II	0.500	0.407	ug/L	81		CFR136A 608
	0.500	0.453	ug/L	91	11	CFR136A 608
Endosulfan sulfate	0.500	0.434	ug/L	87		CFR136A 608
	0.500	0.480	ug/L	96	10	CFR136A 608
Endrin aldehyde	0.500	0.368	ug/L	74		CFR136A 608
	0.500	0.401	ug/L	80	8.8	CFR136A 608
Endrin	0.500	0.441	ug/L	88		CFR136A 608
	0.500	0.496	ug/L	99	12	CFR136A 608
gamma-BHC (Lindane)	0.500	0.384	ug/L	77		CFR136A 608
	0.500	0.434	ug/L	87	12	CFR136A 608
Heptachlor epoxide	0.500	0.415	ug/L	83		CFR136A 608
	0.500	0.457	ug/L	91	9.5	CFR136A 608
Heptachlor	0.500	0.378	ug/L	76		CFR136A 608
	0.500	0.431	ug/L	86	13	CFR136A 608
alpha-Chlordane	0.500	0.398	ug/L	80		CFR136A 608
	0.500	0.442	ug/L	88	10	CFR136A 608
gamma-Chlordane	0.500	0.391	ug/L	78		CFR136A 608
	0.500	0.432	ug/L	86	10	CFR136A 608
Methoxychlor	0.500	0.456	ug/L	91		CFR136A 608
	0.500	0.507	ug/L	101	11	CFR136A 608

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCM11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-472 KVCM11AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(54 - 115)
	82	(54 - 115)
Decachlorobiphenyl	96	(68 - 122)
	104	(68 - 122)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6TG1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140359-006 KT6TG1AD-MSD
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/22/08
Prep Batch #...: 8231472 **Analysis Time..:** 04:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,4'-DDD	77	(66 - 116)			CFR136A 608
	91	(66 - 116)	18	(0-23)	CFR136A 608
4,4'-DDE	50 a	(54 - 124)			CFR136A 608
	59	(54 - 124)	18	(0-23)	CFR136A 608
4,4'-DDT	57	(56 - 125)			CFR136A 608
	71	(56 - 125)	22	(0-28)	CFR136A 608
Aldrin	58	(46 - 121)			CFR136A 608
	59	(46 - 121)	2.0	(0-29)	CFR136A 608
alpha-BHC	70	(67 - 118)			CFR136A 608
	74	(67 - 118)	6.4	(0-27)	CFR136A 608
beta-BHC	87	(63 - 119)			CFR136A 608
	78	(63 - 119)	9.7	(0-23)	CFR136A 608
delta-BHC	100	(70 - 119)			CFR136A 608
	101	(70 - 119)	2.2	(0-23)	CFR136A 608
Dieldrin	65 a	(73 - 115)			CFR136A 608
	73	(73 - 115)	13	(0-23)	CFR136A 608
Endosulfan I	79	(62 - 113)			CFR136A 608
	85	(62 - 113)	8.2	(0-23)	CFR136A 608
Endosulfan II	67	(67 - 114)			CFR136A 608
	79	(67 - 114)	18	(0-26)	CFR136A 608
Endosulfan sulfate	86	(66 - 120)			CFR136A 608
	99	(66 - 120)	15	(0-26)	CFR136A 608
Endrin	71	(67 - 129)			CFR136A 608
	81	(67 - 129)	15	(0-31)	CFR136A 608
Endrin aldehyde	101	(65 - 114)			CFR136A 608
	111	(65 - 114)	9.8	(0-24)	CFR136A 608
Endrin ketone	78	(74 - 120)			CFR136A 608
	93	(74 - 120)	18	(0-21)	CFR136A 608
gamma-BHC (Lindane)	77	(69 - 116)			CFR136A 608
	79	(69 - 116)	3.7	(0-24)	CFR136A 608
Heptachlor	60	(60 - 115)			CFR136A 608
	70	(60 - 115)	16	(0-29)	CFR136A 608
Heptachlor epoxide	75	(72 - 112)			CFR136A 608
	81	(72 - 112)	8.4	(0-22)	CFR136A 608
Methoxychlor	65	(59 - 129)			CFR136A 608
	82	(59 - 129)	24	(0-32)	CFR136A 608
alpha-Chlordane	72	(64 - 117)			CFR136A 608
	83	(64 - 117)	14	(0-24)	CFR136A 608
gamma-Chlordane	59 a	(63 - 121)			CFR136A 608
	67	(63 - 121)	14	(0-27)	CFR136A 608

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6TG1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140359-006 KT6TG1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(52 - 117)
	79	(52 - 117)
Decachlorobiphenyl	69	(32 - 144)
	87	(32 - 144)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 Work Order #...: KT6TG1AC-MS Matrix.....: WATER
MS Lot-Sample #: D8H140359-006 KT6TG1AD-MSD
Date Sampled...: 08/13/08 07:00 Date Received..: 08/14/08
Prep Date.....: 08/18/08 Analysis Date..: 08/22/08
Prep Batch #...: 8231472 Analysis Time..: 04:32
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,4'-DDD	ND	0.480	0.371	ug/L	77		CFR136A 608
	ND	0.484	0.442	ug/L	91	18	CFR136A 608
4,4'-DDE	ND	0.480	0.240	ug/L	50 a		CFR136A 608
	ND	0.484	0.286	ug/L	59	18	CFR136A 608
4,4'-DDT	ND	0.480	0.275	ug/L	57		CFR136A 608
	ND	0.484	0.342	ug/L	71	22	CFR136A 608
Aldrin	ND	0.480	0.278	ug/L	58		CFR136A 608
	ND	0.484	0.283	ug/L	59	2.0	CFR136A 608
alpha-BHC	0.0082	0.480	0.343	ug/L	70		CFR136A 608
	0.0082	0.484	0.365	ug/L	74	6.4	CFR136A 608
beta-BHC	0.036	0.480	0.454	ug/L	87		CFR136A 608
	0.036	0.484	0.412	ug/L	78	9.7	CFR136A 608
delta-BHC	ND	0.480	0.479	ug/L	100		CFR136A 608
	ND	0.484	0.490	ug/L	101	2.2	CFR136A 608
Dieldrin	ND	0.480	0.310	ug/L	65 a		CFR136A 608
	ND	0.484	0.352	ug/L	73	13	CFR136A 608
Endosulfan I	ND	0.480	0.378	ug/L	79		CFR136A 608
	ND	0.484	0.410	ug/L	85	8.2	CFR136A 608
Endosulfan II	ND	0.480	0.321	ug/L	67		CFR136A 608
	ND	0.484	0.384	ug/L	79	18	CFR136A 608
Endosulfan sulfate	ND	0.480	0.415	ug/L	86		CFR136A 608
	ND	0.484	0.481	ug/L	99	15	CFR136A 608
Endrin	ND	0.480	0.339	ug/L	71		CFR136A 608
	ND	0.484	0.392	ug/L	81	15	CFR136A 608
Endrin aldehyde	ND	0.480	0.486	ug/L	101		CFR136A 608
	ND	0.484	0.536	ug/L	111	9.8	CFR136A 608
Endrin ketone	ND	0.480	0.375	ug/L	78		CFR136A 608
	ND	0.484	0.451	ug/L	93	18	CFR136A 608
gamma-BHC (Lindane)	ND	0.480	0.370	ug/L	77		CFR136A 608
	ND	0.484	0.384	ug/L	79	3.7	CFR136A 608
Heptachlor	ND	0.480	0.290	ug/L	60		CFR136A 608
	ND	0.484	0.340	ug/L	70	16	CFR136A 608
Heptachlor epoxide	ND	0.480	0.361	ug/L	75		CFR136A 608
	ND	0.484	0.393	ug/L	81	8.4	CFR136A 608
Methoxychlor	ND	0.480	0.312	ug/L	65		CFR136A 608
	ND	0.484	0.399	ug/L	82	24	CFR136A 608
alpha-Chlordane	ND	0.480	0.346	ug/L	72		CFR136A 608
	ND	0.484	0.400	ug/L	83	14	CFR136A 608
gamma-Chlordane	ND	0.480	0.284	ug/L	59 a		CFR136A 608
	ND	0.484	0.326	ug/L	67	14	CFR136A 608

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6TG1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140359-006 KT6TG1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(52 - 117)
	79	(52 - 117)
Decachlorobiphenyl	69	(32 - 144)
	87	(32 - 144)

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.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCMW1AA **Matrix.....:** WATER
MB Lot-Sample #: D8H180000-470

Prep Date.....: 08/18/08 **Analysis Time..:** 13:40
Analysis Date..: 08/20/08 **Prep Batch #...:** 8231470
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Malathion	ND	1.2	ug/L	MCAWW 614
Azinphos-methyl	ND	2.5	ug/L	MCAWW 614
Demeton (total)	ND	1.0	ug/L	MCAWW 614
Methyl parathion	ND	4.0	ug/L	MCAWW 614
Ethyl parathion	ND	1.0	ug/L	MCAWW 614

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	81	(49 - 171)
Triphenyl phosphate	96	(60 - 154)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVCMW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-470 KVCMW1AD-LCSD
Prep Date.....: 08/18/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8231470 **Analysis Time..:** 14:05
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Malathion	**95**	**(53 - 137)**			**MCAWW 614**
	97	**(53 - 137)**	**2.6**	**(0-40)**	**MCAWW 614**
Ethyl parathion	**84**	**(47 - 142)**			**MCAWW 614**
	86	**(47 - 142)**	**1.6**	**(0-40)**	**MCAWW 614**
Methyl parathion	**91**	**(55 - 131)**			**MCAWW 614**
	93	**(55 - 131)**	**2.9**	**(0-40)**	**MCAWW 614**
Demeton (total)	**82**	**(33 - 141)**			**MCAWW 614**
	88	**(33 - 141)**	**7.2**	**(0-40)**	**MCAWW 614**
Diazinon	**92**	**(47 - 149)**			**MCAWW 614**
	98	**(47 - 149)**	**5.7**	**(0-40)**	**MCAWW 614**
Phorate	**80**	**(46 - 142)**			**MCAWW 614**
	85	**(46 - 142)**	**6.3**	**(0-40)**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	83	(49 - 171)
	83	(49 - 171)
Triphenyl phosphate	92	(60 - 154)
	94	(60 - 154)

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 #...: D8H140359 **Work Order #...:** KVCMW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8H180000-470 KVCMW1AD-LCSD
Prep Date.....: 08/18/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8231470 **Analysis Time..:** 14:05
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Malathion	**4.00**	**3.79**	**ug/L**	**95**		**MCAWW 614**
	4.00	**3.89**	**ug/L**	**97**	**2.6**	**MCAWW 614**
Ethyl parathion	**4.00**	**3.37**	**ug/L**	**84**		**MCAWW 614**
	4.00	**3.43**	**ug/L**	**86**	**1.6**	**MCAWW 614**
Methyl parathion	**4.00**	**3.62**	**ug/L**	**91**		**MCAWW 614**
	4.00	**3.73**	**ug/L**	**93**	**2.9**	**MCAWW 614**
Demeton (total)	**4.00**	**3.29**	**ug/L**	**82**		**MCAWW 614**
	4.00	**3.53**	**ug/L**	**88**	**7.2**	**MCAWW 614**
Diazinon	**4.00**	**3.68**	**ug/L**	**92**		**MCAWW 614**
	4.00	**3.90**	**ug/L**	**98**	**5.7**	**MCAWW 614**
Phorate	**4.00**	**3.19**	**ug/L**	**80**		**MCAWW 614**
	4.00	**3.40**	**ug/L**	**85**	**6.3**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	83	(49 - 171)
	83	(49 - 171)
Triphenyl phosphate	92	(60 - 154)
	94	(60 - 154)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6T71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140359-020 KT6T71AD-MSD
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8231470 **Analysis Time..:** 16:09
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Malathion	**80**	**(53 - 137)**			**MCAWW 614**
	73	**(53 - 137)**	**8.7**	**(0-40)**	**MCAWW 614**
Ethyl parathion	**77**	**(47 - 142)**			**MCAWW 614**
	72	**(47 - 142)**	**6.4**	**(0-40)**	**MCAWW 614**
Methyl parathion	**100**	**(55 - 131)**			**MCAWW 614**
	90	**(55 - 131)**	**11**	**(0-40)**	**MCAWW 614**
Demeton (total)	**76**	**(33 - 141)**			**MCAWW 614**
	66	**(33 - 141)**	**14**	**(0-40)**	**MCAWW 614**
Diazinon	**115**	**(47 - 149)**			**MCAWW 614**
	100	**(47 - 149)**	**14**	**(0-40)**	**MCAWW 614**
Phorate	**73**	**(46 - 142)**			**MCAWW 614**
	67	**(46 - 142)**	**9.1**	**(0-40)**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	74	(49 - 171)
	62	(49 - 171)
Triphenyl phosphate	100	(60 - 154)
	94	(60 - 154)

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 #...: D8H140359 **Work Order #...:** KT6T71AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8H140359-020 KT6T71AD-MSD
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08
Prep Date.....: 08/18/08 **Analysis Date..:** 08/20/08
Prep Batch #...: 8231470 **Analysis Time..:** 16:09
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Malathion	**ND**	**3.79**	**3.02**	**ug/L**	**80**		**MCAWW 614**
	ND	**3.78**	**2.77**	**ug/L**	**73**	**8.7**	**MCAWW 614**
Ethyl parathion	**ND**	**3.79**	**2.91**	**ug/L**	**77**		**MCAWW 614**
	ND	**3.78**	**2.73**	**ug/L**	**72**	**6.4**	**MCAWW 614**
Methyl parathion	**ND**	**3.79**	**3.79**	**ug/L**	**100**		**MCAWW 614**
	ND	**3.78**	**3.41**	**ug/L**	**90**	**11**	**MCAWW 614**
Demeton (total)	**ND**	**3.79**	**2.90**	**ug/L**	**76**		**MCAWW 614**
	ND	**3.78**	**2.51**	**ug/L**	**66**	**14**	**MCAWW 614**
Diazinon	**ND**	**3.79**	**4.36**	**ug/L**	**115**		**MCAWW 614**
	ND	**3.78**	**3.78**	**ug/L**	**100**	**14**	**MCAWW 614**
Phorate	**ND**	**3.79**	**2.77**	**ug/L**	**73**		**MCAWW 614**
	ND	**3.78**	**2.53**	**ug/L**	**67**	**9.1**	**MCAWW 614**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	74	(49 - 171)
	62	(49 - 171)
Triphenyl phosphate	100	(60 - 154)
	94	(60 - 154)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVHMR1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8H210000-123

Prep Date.....: 08/21/08 **Analysis Time..:** 16:30
Analysis Date..: 08/25/08 **Prep Batch #...:** 8234123
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Mirex	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Chlordane (technical)	ND	25	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDD	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	1.7	ug/kg	SW846 8081A
4,4'-DDT	ND	1.7	ug/kg	SW846 8081A
Dieldrin	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
Endosulfan II	ND	1.7	ug/kg	SW846 8081A
Endosulfan sulfate	ND	1.7	ug/kg	SW846 8081A
Endrin	ND	1.7	ug/kg	SW846 8081A
Endrin aldehyde	ND	1.7	ug/kg	SW846 8081A
Endrin ketone	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Methoxychlor	ND	3.3	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(43 - 124)
Decachlorobiphenyl	76	(51 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVHMR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8H210000-123 KVHMR1AD-LCSD
Prep Date.....: 08/21/08 **Analysis Date..:** 08/25/08
Prep Batch #...: 8234123 **Analysis Time..:** 14:29
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	64	(60 - 115)			SW846 8081A
	73	(60 - 115)	14	(0-50)	SW846 8081A
alpha-BHC	66	(54 - 115)			SW846 8081A
	78	(54 - 115)	17	(0-17)	SW846 8081A
beta-BHC	69	(58 - 115)			SW846 8081A
	85 p	(58 - 115)	20	(0-17)	SW846 8081A
delta-BHC	83	(62 - 115)			SW846 8081A
	101	(62 - 115)	19	(0-19)	SW846 8081A
gamma-BHC (Lindane)	71	(59 - 115)			SW846 8081A
	85	(59 - 115)	18	(0-24)	SW846 8081A
alpha-Chlordane	71	(60 - 115)			SW846 8081A
	83	(60 - 115)	16	(0-18)	SW846 8081A
gamma-Chlordane	70	(60 - 115)			SW846 8081A
	82	(60 - 115)	16	(0-21)	SW846 8081A
4,4'-DDD	76	(57 - 118)			SW846 8081A
	90	(57 - 118)	17	(0-20)	SW846 8081A
4,4'-DDE	68	(61 - 115)			SW846 8081A
	79	(61 - 115)	14	(0-15)	SW846 8081A
4,4'-DDT	85	(53 - 125)			SW846 8081A
	99	(53 - 125)	15	(0-29)	SW846 8081A
Dieldrin	71	(63 - 117)			SW846 8081A
	83	(63 - 117)	16	(0-25)	SW846 8081A
Endosulfan I	73	(55 - 115)			SW846 8081A
	85	(55 - 115)	15	(0-26)	SW846 8081A
Endosulfan II	77	(60 - 115)			SW846 8081A
	92	(60 - 115)	17	(0-20)	SW846 8081A
Endosulfan sulfate	75	(58 - 118)			SW846 8081A
	97 p	(58 - 118)	25	(0-22)	SW846 8081A
Endrin	81	(61 - 121)			SW846 8081A
	95	(61 - 121)	15	(0-30)	SW846 8081A
Endrin aldehyde	53 a	(54 - 115)			SW846 8081A
	66	(54 - 115)	22	(0-29)	SW846 8081A
Endrin ketone	77	(61 - 118)			SW846 8081A
	93	(61 - 118)	19	(0-20)	SW846 8081A
Heptachlor	81	(61 - 115)			SW846 8081A
	94	(61 - 115)	15	(0-18)	SW846 8081A
Heptachlor epoxide	72	(62 - 112)			SW846 8081A
	85	(62 - 112)	17	(0-18)	SW846 8081A
Methoxychlor	83	(52 - 123)			SW846 8081A
	99	(52 - 123)	17	(0-23)	SW846 8081A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVHMR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8H210000-123 KVHMR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(59 - 115)
	78	(59 - 115)
Decachlorobiphenyl	72	(63 - 124)
	80	(63 - 124)

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 Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVHMR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8H210000-123 KVHMR1AD-LCSD
Prep Date.....: 08/21/08 **Analysis Date..:** 08/25/08
Prep Batch #...: 8234123 **Analysis Time..:** 14:29
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	16.9	10.8	ug/kg	64		SW846 8081A
	16.9	12.4	ug/kg	73	14	SW846 8081A
alpha-BHC	16.9	11.1	ug/kg	66		SW846 8081A
	16.9	13.2	ug/kg	78	17	SW846 8081A
beta-BHC	16.9	11.7	ug/kg	69		SW846 8081A
	16.9	14.3 p	ug/kg	85	20	SW846 8081A
delta-BHC	16.9	14.1	ug/kg	83		SW846 8081A
	16.9	17.1	ug/kg	101	19	SW846 8081A
gamma-BHC (Lindane)	16.9	11.9	ug/kg	71		SW846 8081A
	16.9	14.3	ug/kg	85	18	SW846 8081A
alpha-Chlordane	16.9	12.0	ug/kg	71		SW846 8081A
	16.9	14.0	ug/kg	83	16	SW846 8081A
gamma-Chlordane	16.9	11.8	ug/kg	70		SW846 8081A
	16.9	13.9	ug/kg	82	16	SW846 8081A
4,4'-DDD	16.9	12.9	ug/kg	76		SW846 8081A
	16.9	15.3	ug/kg	90	17	SW846 8081A
4,4'-DDE	16.9	11.5	ug/kg	68		SW846 8081A
	16.9	13.3	ug/kg	79	14	SW846 8081A
4,4'-DDT	16.9	14.4	ug/kg	85		SW846 8081A
	16.9	16.7	ug/kg	99	15	SW846 8081A
Dieldrin	16.9	12.0	ug/kg	71		SW846 8081A
	16.9	14.1	ug/kg	83	16	SW846 8081A
Endosulfan I	16.9	12.3	ug/kg	73		SW846 8081A
	16.9	14.4	ug/kg	85	15	SW846 8081A
Endosulfan II	16.9	13.1	ug/kg	77		SW846 8081A
	16.9	15.6	ug/kg	92	17	SW846 8081A
Endosulfan sulfate	16.9	12.8	ug/kg	75		SW846 8081A
	16.9	16.4 p	ug/kg	97	25	SW846 8081A
Endrin	16.9	13.8	ug/kg	81		SW846 8081A
	16.9	16.0	ug/kg	95	15	SW846 8081A
Endrin aldehyde	16.9	8.97 a	ug/kg	53		SW846 8081A
	16.9	11.2	ug/kg	66	22	SW846 8081A
Endrin ketone	16.9	13.0	ug/kg	77		SW846 8081A
	16.9	15.7	ug/kg	93	19	SW846 8081A
Heptachlor	16.9	13.7	ug/kg	81		SW846 8081A
	16.9	15.9	ug/kg	94	15	SW846 8081A
Heptachlor epoxide	16.9	12.2	ug/kg	72		SW846 8081A
	16.9	14.4	ug/kg	85	17	SW846 8081A
Methoxychlor	16.9	14.0	ug/kg	83		SW846 8081A
	16.9	16.7	ug/kg	99	17	SW846 8081A

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LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVHMR1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: D8H210000-123 KVHMR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(59 - 115)
	78	(59 - 115)
Decachlorobiphenyl	72	(63 - 124)
	80	(63 - 124)

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 EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVF1N1AN-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H200185-001 KVF1N1AP-MSD
Date Sampled...: 08/18/08 17:00 **Date Received..:** 08/20/08
Prep Date.....: 08/21/08 **Analysis Date..:** 08/25/08
Prep Batch #...: 8234123 **Analysis Time..:** 15:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	82	(32 - 130)			SW846 8081A
	85	(32 - 130)	3.7	(0-50)	SW846 8081A
alpha-BHC	87	(44 - 112)			SW846 8081A
	82	(44 - 112)	5.3	(0-33)	SW846 8081A
beta-BHC	103	(44 - 124)			SW846 8081A
	101	(44 - 124)	1.0	(0-45)	SW846 8081A
delta-BHC	108	(19 - 143)			SW846 8081A
	107	(19 - 143)	0.19	(0-50)	SW846 8081A
gamma-BHC (Lindane)	92	(39 - 132)			SW846 8081A
	89	(39 - 132)	1.8	(0-40)	SW846 8081A
alpha-Chlordane	97	(15 - 150)			SW846 8081A
	95	(15 - 150)	0.77	(0-44)	SW846 8081A
gamma-Chlordane	87	(29 - 138)			SW846 8081A
	89	(29 - 138)	2.6	(0-43)	SW846 8081A
4,4'-DDD	99	(36 - 129)			SW846 8081A
	97	(36 - 129)	1.6	(0-50)	SW846 8081A
4,4'-DDE	76	(10 - 150)			SW846 8081A
	77	(10 - 150)	2.4	(0-50)	SW846 8081A
4,4'-DDT	103	(10 - 150)			SW846 8081A
	106	(10 - 150)	3.9	(0-50)	SW846 8081A
Dieldrin	87	(45 - 126)			SW846 8081A
	89	(45 - 126)	2.6	(0-39)	SW846 8081A
Endosulfan I	98	(10 - 150)			SW846 8081A
	102	(10 - 150)	5.4	(0-50)	SW846 8081A
Endosulfan II	97	(34 - 120)			SW846 8081A
	95	(34 - 120)	1.8	(0-50)	SW846 8081A
Endosulfan sulfate	95	(33 - 130)			SW846 8081A
	88	(33 - 130)	6.3	(0-50)	SW846 8081A
Endrin	99	(37 - 145)			SW846 8081A
	98	(37 - 145)	0.16	(0-50)	SW846 8081A
Endrin aldehyde	100	(10 - 137)			SW846 8081A
	98	(10 - 137)	1.0	(0-50)	SW846 8081A
Endrin ketone	101	(39 - 126)			SW846 8081A
	98	(39 - 126)	2.3	(0-39)	SW846 8081A
Heptachlor	146	(10 - 150)			SW846 8081A
	138	(10 - 150)	4.4	(0-38)	SW846 8081A
Heptachlor epoxide	104	(40 - 122)			SW846 8081A
	109	(40 - 122)	6.2	(0-48)	SW846 8081A
Methoxychlor	97	(27 - 139)			SW846 8081A
	100	(27 - 139)	3.6	(0-50)	SW846 8081A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVF1N1AN-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H200185-001 KVF1N1AP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(43 - 124)
	79	(43 - 124)
Decachlorobiphenyl	77	(51 - 132)
	81	(51 - 132)

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 #...: D8H140359 Work Order #...: KVF1N1AN-MS Matrix.....: SOLID
MS Lot-Sample #: D8H200185-001 KVF1N1AP-MSD
Date Sampled...: 08/18/08 17:00 Date Received..: 08/20/08
Prep Date.....: 08/21/08 Analysis Date..: 08/25/08
Prep Batch #...: 8234123 Analysis Time..: 15:38
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	17.4	14.4	ug/kg	82		SW846 8081A
	ND	17.6	14.9	ug/kg	85	3.7	SW846 8081A
alpha-BHC	ND	17.4	15.1	ug/kg	87		SW846 8081A
	ND	17.6	14.3	ug/kg	82	5.3	SW846 8081A
beta-BHC	ND	17.4	18.0	ug/kg	103		SW846 8081A
	ND	17.6	17.8	ug/kg	101	1.0	SW846 8081A
delta-BHC	ND	17.4	18.8	ug/kg	108		SW846 8081A
	ND	17.6	18.8	ug/kg	107	0.19	SW846 8081A
gamma-BHC (Lindane)	0.35	17.4	16.3	ug/kg	92		SW846 8081A
	0.35	17.6	16.0	ug/kg	89	1.8	SW846 8081A
alpha-Chlordane	ND	17.4	16.9	ug/kg	97		SW846 8081A
	ND	17.6	16.7	ug/kg	95	0.77	SW846 8081A
gamma-Chlordane	ND	17.4	15.2	ug/kg	87		SW846 8081A
	ND	17.6	15.6	ug/kg	89	2.6	SW846 8081A
4,4'-DDD	ND	17.4	17.2	ug/kg	99		SW846 8081A
	ND	17.6	17.0	ug/kg	97	1.6	SW846 8081A
4,4'-DDE	ND	17.4	13.2	ug/kg	76		SW846 8081A
	ND	17.6	13.6	ug/kg	77	2.4	SW846 8081A
4,4'-DDT	ND	17.4	17.9	ug/kg	103		SW846 8081A
	ND	17.6	18.7	ug/kg	106	3.9	SW846 8081A
Dieldrin	ND	17.4	15.2	ug/kg	87		SW846 8081A
	ND	17.6	15.6	ug/kg	89	2.6	SW846 8081A
Endosulfan I	ND	17.4	17.0	ug/kg	98		SW846 8081A
	ND	17.6	18.0	ug/kg	102	5.4	SW846 8081A
Endosulfan II	ND	17.4	16.9	ug/kg	97		SW846 8081A
	ND	17.6	16.6	ug/kg	95	1.8	SW846 8081A
Endosulfan sulfate	ND	17.4	16.5	ug/kg	95		SW846 8081A
	ND	17.6	15.5	ug/kg	88	6.3	SW846 8081A
Endrin	ND	17.4	17.2	ug/kg	99		SW846 8081A
	ND	17.6	17.3	ug/kg	98	0.16	SW846 8081A
Endrin aldehyde	ND	17.4	17.4	ug/kg	100		SW846 8081A
	ND	17.6	17.2	ug/kg	98	1.0	SW846 8081A
Endrin ketone	ND	17.4	17.5	ug/kg	101		SW846 8081A
	ND	17.6	17.1	ug/kg	98	2.3	SW846 8081A
Heptachlor	ND	17.4	25.3	ug/kg	146		SW846 8081A
	ND	17.6	24.2	ug/kg	138	4.4	SW846 8081A
Heptachlor epoxide	ND	17.4	18.0	ug/kg	104		SW846 8081A
	ND	17.6	19.2	ug/kg	109	6.2	SW846 8081A
Methoxychlor	ND	17.4	16.9	ug/kg	97		SW846 8081A
	ND	17.6	17.6	ug/kg	100	3.6	SW846 8081A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359
MS Lot-Sample #: D8H200185-001

Work Order #...: KVF1N1AN-MS
KVF1N1AP-MSD

Matrix.....: SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(43 - 124)
	79	(43 - 124)
Decachlorobiphenyl	77	(51 - 132)
	81	(51 - 132)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC3R1AA **Matrix.....:** SOLID
MB Lot-Sample #: D8H190000-130

Prep Date.....: 08/19/08 **Analysis Time..:** 19:46
Analysis Date..: 08/21/08 **Prep Batch #...:** 8232130
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	47	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(53 - 132)
Decachlorobiphenyl	91	(38 - 162)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KVC3R1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H190000-130
Prep Date.....: 08/19/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8232130 **Analysis Time..:** 20:08
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**82**	**(54 - 132)**	**SW846 8082**
Aroclor 1260	**84**	**(62 - 129)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(53 - 128)
Decachlorobiphenyl	90	(59 - 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 #...: D8H140359 **Work Order #...:** KVC3R1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H190000-130
Prep Date.....: 08/19/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8232130 **Analysis Time..:** 20:08
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**66.2**	**54.5**	**ug/kg**	**82**	**SW846 8082**
Aroclor 1260	**66.2**	**55.6**	**ug/kg**	**84**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(53 - 128)
Decachlorobiphenyl	90	(59 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6TJ1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140359-008 KT6TJ1AG-MSD
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8232130 **Analysis Time..:** 20:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**40**	**(24 - 170)**			**SW846 8082**
	40	**(24 - 170)**	**1.4**	**(0-40)**	**SW846 8082**
Aroclor 1260	**65**	**(40 - 166)**			**SW846 8082**
	54	**(40 - 166)**	**17**	**(0-40)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(53 - 132)
	52 *	(53 - 132)
Decachlorobiphenyl	59	(38 - 162)
	56	(38 - 162)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT6TJ1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H140359-008 KT6TJ1AG-MSD
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08
Prep Date.....: 08/19/08 **Analysis Date..:** 08/21/08
Prep Batch #...: 8232130 **Analysis Time..:** 20:52
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**273**	**110**	**ug/kg**	**40**		**SW846 8082**
	ND	**275**	**111**	**ug/kg**	**40**	**1.4**	**SW846 8082**
Aroclor 1260	**ND**	**273**	**178**	**ug/kg**	**65**		**SW846 8082**
	ND	**275**	**150**	**ug/kg**	**54**	**17**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	54	(53 - 132)
	52 *	(53 - 132)
Decachlorobiphenyl	59	(38 - 162)
	56	(38 - 162)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8H140359
MB Lot-Sample #: D8H160000-097
Work Order #...: KT96J1AA
Matrix.....: SOLID
Prep Date.....: 08/16/08
Analysis Time..: 09:39
Analysis Date..: 08/26/08
Prep Batch #...: 8229097
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	13	ug/kg	SW846 8141A
Demeton (total)	ND	39	ug/kg	SW846 8141A
Malathion	ND	15	ug/kg	SW846 8141A
Methyl parathion	ND	20	ug/kg	SW846 8141A
Ethyl parathion	ND	18	ug/kg	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	100	(42 - 132)
Triphenyl phosphate	105	(47 - 161)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT96J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H160000-097
Prep Date.....: 08/16/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8229097 **Analysis Time..:** 10:03
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Malathion	100	(49 - 124)	SW846 8141A
Methyl parathion	99	(51 - 115)	SW846 8141A
Azinphos-methyl	96	(21 - 145)	SW846 8141A
Ethyl parathion	96	(38 - 134)	SW846 8141A
Demeton (total)	92	(10 - 123)	SW846 8141A
Diazinon	104	(49 - 122)	SW846 8141A
Phorate	95	(45 - 115)	SW846 8141A
Chlorpyrifos	99	(57 - 115)	SW846 8141A
Coumaphos	85	(42 - 129)	SW846 8141A
Dichlorvos	148 a	(25 - 147)	SW846 8141A
Dimethoate	103	(10 - 156)	SW846 8141A
Disulfoton	90	(10 - 133)	SW846 8141A
Ethoprop	109	(51 - 119)	SW846 8141A
Famphur	94	(33 - 144)	SW846 8141A
Fensulfothion	100	(47 - 123)	SW846 8141A
Fenthion	92	(52 - 115)	SW846 8141A
Mevinphos	118	(15 - 143)	SW846 8141A
Tetrachlorvinphos	99	(30 - 130)	SW846 8141A
Thionazin	109	(50 - 124)	SW846 8141A
Ronnel	96	(46 - 115)	SW846 8141A
Sulfotepp	94	(41 - 123)	SW846 8141A
Trichloronate	95	(50 - 115)	SW846 8141A
Simazine	118	(11 - 162)	SW846 8141A
O,O,O-Triethylphosphorothioate	132	(50 - 150)	SW846 8141A
Atrazine	118	(50 - 150)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	100	(42 - 132)
Triphenyl phosphate	103	(47 - 161)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT96J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H160000-097

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT96J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H160000-097
Prep Date.....: 08/16/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8229097 **Analysis Time..:** 10:03
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Malathion	131	131	ug/kg	100	SW846 8141A
Methyl parathion	131	130	ug/kg	99	SW846 8141A
Azinphos-methyl	131	126	ug/kg	96	SW846 8141A
Ethyl parathion	131	125	ug/kg	96	SW846 8141A
Demeton (total)	131	121	ug/kg	92	SW846 8141A
Diazinon	131	136	ug/kg	104	SW846 8141A
Phorate	131	124	ug/kg	95	SW846 8141A
Chlorpyrifos	131	130	ug/kg	99	SW846 8141A
Coumaphos	131	111	ug/kg	85	SW846 8141A
Dichlorvos	131	194 a	ug/kg	148	SW846 8141A
Dimethoate	131	135	ug/kg	103	SW846 8141A
Disulfoton	131	118	ug/kg	90	SW846 8141A
Ethoprop	131	143	ug/kg	109	SW846 8141A
Famphur	131	123	ug/kg	94	SW846 8141A
Fensulfothion	131	131	ug/kg	100	SW846 8141A
Fenthion	131	121	ug/kg	92	SW846 8141A
Mevinphos	131	155	ug/kg	118	SW846 8141A
Tetrachlorvinphos	131	130	ug/kg	99	SW846 8141A
Thionazin	131	142	ug/kg	109	SW846 8141A
Ronnel	131	125	ug/kg	96	SW846 8141A
Sulfotepp	262	247	ug/kg	94	SW846 8141A
Trichloronate	131	124	ug/kg	95	SW846 8141A
Simazine	131	154	ug/kg	118	SW846 8141A
O,O,O-Triethylphosphorothioate	131	173	ug/kg	132	SW846 8141A
Atrazine	131	154	ug/kg	118	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	100	(42 - 132)
Triphenyl phosphate	103	(47 - 161)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT96J1AC **Matrix.....:** SOLID
LCS Lot-Sample#: D8H160000-097

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT8V41CF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H150288-003 KT8V41CG-MSD
Date Sampled...: 08/14/08 09:00 **Date Received..:** 08/15/08
Prep Date.....: 08/16/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8229097 **Analysis Time..:** 12:08
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	NC,DIL	(10 - 123)			SW846 8141A
	NC,DIL	(10 - 123)		(0-47)	SW846 8141A
Malathion	NC,DIL	(49 - 124)			SW846 8141A
	NC,DIL	(49 - 124)		(0-53)	SW846 8141A
Methyl parathion	NC,DIL	(51 - 115)			SW846 8141A
	NC,DIL	(51 - 115)		(0-53)	SW846 8141A
Azinphos-methyl	NC,DIL	(21 - 145)			SW846 8141A
	NC,DIL	(21 - 145)		(0-43)	SW846 8141A
Ethyl parathion	NC,DIL	(38 - 134)			SW846 8141A
	NC,DIL	(38 - 134)		(0-47)	SW846 8141A
Diazinon	NC,DIL	(49 - 122)			SW846 8141A
	NC,DIL	(49 - 122)		(0-40)	SW846 8141A
Phorate	NC,DIL	(45 - 115)			SW846 8141A
	NC,DIL	(45 - 115)		(0-40)	SW846 8141A
Chlorpyrifos	NC,DIL	(57 - 115)			SW846 8141A
	NC,DIL	(57 - 115)		(0-37)	SW846 8141A
Coumaphos	NC,DIL	(42 - 129)			SW846 8141A
	NC,DIL	(42 - 129)		(0-27)	SW846 8141A
Dichlorvos	NC,DIL	(25 - 147)			SW846 8141A
	NC,DIL	(25 - 147)		(0-77)	SW846 8141A
Dimethoate	NC,DIL	(10 - 156)			SW846 8141A
	NC,DIL	(10 - 156)		(0-98)	SW846 8141A
Disulfoton	NC,DIL	(10 - 133)			SW846 8141A
	NC,DIL	(10 - 133)		(0-40)	SW846 8141A
Ethoprop	NC,DIL	(51 - 119)			SW846 8141A
	NC,DIL	(51 - 119)		(0-54)	SW846 8141A
Famphur	NC,DIL	(33 - 144)			SW846 8141A
	NC,DIL	(33 - 144)		(0-31)	SW846 8141A
Fensulfothion	NC,DIL	(47 - 123)			SW846 8141A
	NC,DIL	(47 - 123)		(0-49)	SW846 8141A
Fenthion	NC,DIL	(52 - 115)			SW846 8141A
	NC,DIL	(52 - 115)		(0-43)	SW846 8141A
Mevinphos	NC,DIL	(15 - 143)			SW846 8141A
	NC,DIL	(15 - 143)		(0-78)	SW846 8141A
Tetrachlorvinphos	NC,DIL	(30 - 130)			SW846 8141A
	NC,DIL	(30 - 130)		(0-24)	SW846 8141A
Thionazin	NC,DIL	(50 - 124)			SW846 8141A
	NC,DIL	(50 - 124)		(0-40)	SW846 8141A
Ronnel	NC,DIL	(46 - 115)			SW846 8141A
	NC,DIL	(46 - 115)		(0-41)	SW846 8141A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT8V41CF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H150288-003 KT8V41CG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Sulfotepp	**NC,DIL**	**(41 - 123)**			**SW846 8141A**
	NC,DIL	**(41 - 123)**		**(0-40)**	**SW846 8141A**
Trichloronate	**NC,DIL**	**(50 - 115)**			**SW846 8141A**
	NC,DIL	**(50 - 115)**		**(0-43)**	**SW846 8141A**
Simazine	**NC,DIL**	**(11 - 162)**			**SW846 8141A**
	NC,DIL	**(11 - 162)**		**(0-58)**	**SW846 8141A**
O,O,O-Triethylphosphorothioate	**NC,DIL**	**(50 - 150)**			**SW846 8141A**
	NC,DIL	**(50 - 150)**		**(0-50)**	**SW846 8141A**
Atrazine	**NC,DIL**	**(50 - 150)**			**SW846 8141A**
	NC,DIL	**(50 - 150)**		**(0-50)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)
	NC,DIL	(47 - 161)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT8V41CF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H150288-003 KT8V41CG-MSD
Date Sampled...: 08/14/08 09:00 **Date Received..:** 08/15/08
Prep Date.....: 08/16/08 **Analysis Date..:** 08/26/08
Prep Batch #...: 8229097 **Analysis Time..:** 12:08
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Demeton (total)	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Malathion	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Methyl parathion	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Azinphos-methyl	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Ethyl parathion	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Diazinon	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Phorate	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Chlorpyrifos	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Coumaphos	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Dichlorvos	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Dimethoate	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Disulfoton	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Ethoprop	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Famphur	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Fensulfothion	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Fenthion	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Mevinphos	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Tetrachlorvinphos	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Thionazin	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A
Ronnel	ND	142		ug/kg	NC,DIL		SW846 8141A
	ND	145		ug/kg	NC,DIL		SW846 8141A

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D8H140359 **Work Order #...:** KT8V41CF-MS **Matrix.....:** SOLID
MS Lot-Sample #: D8H150288-003 KT8V41CG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Sulfotepp	**ND**	**285**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**291**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Trichloronate	**ND**	**142**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**145**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Simazine	**ND**	**142**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**145**		**ug/kg**	**NC,DIL**		**SW846 8141A**
O,O,O-Triethylphosphorothioate	**ND**	**142**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	ND	**145**		**ug/kg**	**NC,DIL**		**SW846 8141A**
Atrazine	**2200**	**142**		**ug/kg**	**NC,DIL**		**SW846 8141A**
	2200	**145**		**ug/kg**	**NC,DIL**		**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	NC,DIL	(42 - 132)
	NC,DIL	(42 - 132)
Triphenyl phosphate	NC,DIL	(47 - 161)
	NC,DIL	(47 - 161)

NOTE(S):

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

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359
MB Lot-Sample #: G8H270000-473

Work Order #...: KVWR81AA

Matrix.....: SOLID

Prep Date.....: 08/26/08
Prep Batch #...: 8240473

Analysis Date..: 08/28/08
Dilution Factor: 1

Analysis Time..: 12:02

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.022	ng/g	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	76	(25 - 150)

NOTE(S):

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

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWTC1AA **Matrix.....:** WATER
MB Lot-Sample #: G8H270000-475

Prep Date.....: 08/27/08 **Analysis Time..:** 23:21
Analysis Date..: 08/28/08 **Prep Batch #...:** 8240475
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.35	ng/L	SW846 8280A

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	45	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	82	(25 - 150)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWR81AC **Matrix.....:** SOLID
LCS Lot-Sample#: G8H270000-473
Prep Date.....: 08/26/08 **Analysis Date..:** 08/28/08
Prep Batch #...: 8240473 **Analysis Time..:** 12:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	**102**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8-PeCDD	**100**	**(65 - 140)**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**104**	**(64 - 134)**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**102**	**(67 - 135)**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**101**	**(57 - 144)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**104**	**(66 - 133)**	**SW846 8280A**
OCDD	**103**	**(61 - 135)**	**SW846 8280A**
2,3,7,8-TCDF	**106**	**(70 - 130)**	**SW846 8280A**
1,2,3,7,8-PeCDF	**106**	**(65 - 149)**	**SW846 8280A**
2,3,4,7,8-PeCDF	**103**	**(62 - 147)**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**104**	**(59 - 147)**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**104**	**(54 - 150)**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**102**	**(55 - 149)**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**103**	**(52 - 149)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**107**	**(66 - 136)**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**106**	**(65 - 138)**	**SW846 8280A**
OCDF	**104**	**(62 - 135)**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(25 - 150)
13C-2,3,7,8-TCDF	83	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	89	(25 - 150)
13C-OCDD	89	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

LCL entered into DL column per client

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWR81AC **Matrix.....:** SOLID
LCS Lot-Sample#: G8H270000-473
Prep Date.....: 08/26/08 **Analysis Date..:** 08/28/08
Prep Batch #...: 8240473 **Analysis Time..:** 12:49
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	**2.50**	**2.54**	**ng/g**	**102**	**SW846 8280A**
1,2,3,7,8-PeCDD	**6.25**	**6.27**	**ng/g**	**100**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**6.25**	**6.40**	**ng/g**	**102**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**6.25**	**6.32**	**ng/g**	**101**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**6.25**	**6.50**	**ng/g**	**104**	**SW846 8280A**
OCDD	**12.5**	**12.9**	**ng/g**	**103**	**SW846 8280A**
2,3,7,8-TCDF	**2.50**	**2.64**	**ng/g**	**106**	**SW846 8280A**
1,2,3,7,8-PeCDF	**6.25**	**6.65**	**ng/g**	**106**	**SW846 8280A**
2,3,4,7,8-PeCDF	**6.25**	**6.44**	**ng/g**	**103**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**6.25**	**6.39**	**ng/g**	**102**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**6.25**	**6.46**	**ng/g**	**103**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**6.25**	**6.72**	**ng/g**	**107**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**6.25**	**6.61**	**ng/g**	**106**	**SW846 8280A**
OCDF	**12.5**	**13.0**	**ng/g**	**104**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(25 - 150)
13C-2,3,7,8-TCDF	83	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	89	(25 - 150)
13C-OCDD	89	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

LCL entered into DL column per client

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWR81AD **Matrix.....:** SOLID
LCS Lot-Sample#: G8H270000-473
Prep Date.....: 08/26/08 **Analysis Date..:** 08/28/08
Prep Batch #...: 8240473 **Analysis Time..:** 12:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	**102**	**(71 - 131)**	**SW846 8280A**
1,2,3,7,8-PeCDD	**100**	**(65 - 140)**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**104**	**(64 - 134)**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**102**	**(67 - 135)**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**101**	**(57 - 144)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**104**	**(66 - 133)**	**SW846 8280A**
OCDD	**103**	**(61 - 135)**	**SW846 8280A**
2,3,7,8-TCDF	**106**	**(70 - 130)**	**SW846 8280A**
1,2,3,7,8-PeCDF	**106**	**(65 - 149)**	**SW846 8280A**
2,3,4,7,8-PeCDF	**103**	**(62 - 147)**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**104**	**(59 - 147)**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**104**	**(54 - 150)**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**102**	**(55 - 149)**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**103**	**(52 - 149)**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**107**	**(66 - 136)**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**106**	**(65 - 138)**	**SW846 8280A**
OCDF	**104**	**(62 - 135)**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(25 - 150)
13C-2,3,7,8-TCDF	83	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	89	(25 - 150)
13C-OCDD	89	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

Instrument EDL entered into DL column.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWR81AD **Matrix.....:** SOLID
LCS Lot-Sample#: G8H270000-473
Prep Date.....: 08/26/08 **Analysis Date..:** 08/28/08
Prep Batch #...: 8240473 **Analysis Time..:** 12:49
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	**2.50**	**2.54**	**ng/g**	**102**	**SW846 8280A**
1,2,3,7,8-PeCDD	**6.25**	**6.27**	**ng/g**	**100**	**SW846 8280A**
1,2,3,7,8,9-HxCDD	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
1,2,3,4,7,8-HxCDD	**6.25**	**6.40**	**ng/g**	**102**	**SW846 8280A**
1,2,3,6,7,8-HxCDD	**6.25**	**6.32**	**ng/g**	**101**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDD	**6.25**	**6.50**	**ng/g**	**104**	**SW846 8280A**
OCDD	**12.5**	**12.9**	**ng/g**	**103**	**SW846 8280A**
2,3,7,8-TCDF	**2.50**	**2.64**	**ng/g**	**106**	**SW846 8280A**
1,2,3,7,8-PeCDF	**6.25**	**6.65**	**ng/g**	**106**	**SW846 8280A**
2,3,4,7,8-PeCDF	**6.25**	**6.44**	**ng/g**	**103**	**SW846 8280A**
1,2,3,4,7,8-HxCDF	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
1,2,3,6,7,8-HxCDF	**6.25**	**6.49**	**ng/g**	**104**	**SW846 8280A**
2,3,4,6,7,8-HxCDF	**6.25**	**6.39**	**ng/g**	**102**	**SW846 8280A**
1,2,3,7,8,9-HxCDF	**6.25**	**6.46**	**ng/g**	**103**	**SW846 8280A**
1,2,3,4,6,7,8-HpCDF	**6.25**	**6.72**	**ng/g**	**107**	**SW846 8280A**
1,2,3,4,7,8,9-HpCDF	**6.25**	**6.61**	**ng/g**	**106**	**SW846 8280A**
OCDF	**12.5**	**13.0**	**ng/g**	**104**	**SW846 8280A**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(25 - 150)
13C-2,3,7,8-TCDF	83	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	91	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	89	(25 - 150)
13C-OCDD	89	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	84	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

Instrument EDL entered into DL column.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWTC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G8H270000-475 KVWTC1AD-LCSD
Prep Date.....: 08/27/08 **Analysis Date..:** 08/29/08
Prep Batch #...: 8240475 **Analysis Time..:** 00:08
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,3,7,8-TCDD	103	(71 - 131)			SW846 8280A
	101	(71 - 131)	2.6	(0-57)	SW846 8280A
1,2,3,7,8-PeCDD	113	(68 - 140)			SW846 8280A
	115	(68 - 140)	1.9	(0-72)	SW846 8280A
1,2,3,7,8,9-HxCDD	122	(70 - 130)			SW846 8280A
	128	(70 - 130)	4.6	(0-24)	SW846 8280A
1,2,3,4,7,8-HxCDD	93	(48 - 158)			SW846 8280A
	88	(48 - 158)	6.1	(0-27)	SW846 8280A
1,2,3,6,7,8-HxCDD	98	(71 - 132)			SW846 8280A
	94	(71 - 132)	3.6	(0-24)	SW846 8280A
1,2,3,4,6,7,8-HpCDD	117	(71 - 134)			SW846 8280A
	119	(71 - 134)	1.8	(0-20)	SW846 8280A
OCDD	103	(72 - 132)			SW846 8280A
	103	(72 - 132)	0.38	(0-21)	SW846 8280A
2,3,7,8-TCDF	103	(71 - 131)			SW846 8280A
	104	(71 - 131)	0.090	(0-57)	SW846 8280A
1,2,3,7,8-PeCDF	106	(67 - 140)			SW846 8280A
	111	(67 - 140)	4.5	(0-64)	SW846 8280A
2,3,4,7,8-PeCDF	97	(59 - 142)			SW846 8280A
	98	(59 - 142)	1.1	(0-53)	SW846 8280A
1,2,3,4,7,8-HxCDF	91	(50 - 160)			SW846 8280A
	86	(50 - 160)	5.8	(0-19)	SW846 8280A
1,2,3,6,7,8-HxCDF	96	(56 - 152)			SW846 8280A
	94	(56 - 152)	1.9	(0-32)	SW846 8280A
2,3,4,6,7,8-HxCDF	122	(62 - 153)			SW846 8280A
	126	(62 - 153)	3.0	(0-32)	SW846 8280A
1,2,3,7,8,9-HxCDF	122	(67 - 145)			SW846 8280A
	131	(67 - 145)	7.0	(0-27)	SW846 8280A
1,2,3,4,6,7,8-HpCDF	100	(71 - 135)			SW846 8280A
	97	(71 - 135)	2.4	(0-23)	SW846 8280A
1,2,3,4,7,8,9-HpCDF	123	(72 - 141)			SW846 8280A
	128	(72 - 141)	3.6	(0-20)	SW846 8280A
OCDF	101	(72 - 135)			SW846 8280A
	102	(72 - 135)	0.84	(0-24)	SW846 8280A

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWTC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G8H270000-475 KVWTC1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	50	(25 - 150)
	45	(25 - 150)
13C-2,3,7,8-TCDF	49	(25 - 150)
	42	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	50	(25 - 150)
	45	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	48	(25 - 150)
	43	(25 - 150)
13C-OCDD	58	(25 - 150)
	54	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	85	(25 - 150)
	83	(25 - 150)

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

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWTC1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: G8H270000-475 KVWTC1AD-LCSD
Prep Date.....: 08/27/08 **Analysis Date..:** 08/29/08
Prep Batch #...: 8240475 **Analysis Time..:** 00:08
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,3,7,8-TCDD	25.0	25.9	ng/L	103		SW846 8280A
	25.0	25.2	ng/L	101	2.6	SW846 8280A
1,2,3,7,8-PeCDD	62.5	70.7	ng/L	113		SW846 8280A
	62.5	72.1	ng/L	115	1.9	SW846 8280A
1,2,3,7,8,9-HxCDD	62.5	76.4	ng/L	122		SW846 8280A
	62.5	80.0	ng/L	128	4.6	SW846 8280A
1,2,3,4,7,8-HxCDD	62.5	58.4	ng/L	93		SW846 8280A
	62.5	54.9	ng/L	88	6.1	SW846 8280A
1,2,3,6,7,8-HxCDD	62.5	61.0	ng/L	98		SW846 8280A
	62.5	58.8	ng/L	94	3.6	SW846 8280A
1,2,3,4,6,7,8-HpCDD	62.5	73.4	ng/L	117		SW846 8280A
	62.5	74.7	ng/L	119	1.8	SW846 8280A
OCDD	125	129	ng/L	103		SW846 8280A
	125	129	ng/L	103	0.38	SW846 8280A
2,3,7,8-TCDF	25.0	25.9	ng/L	103		SW846 8280A
	25.0	25.9	ng/L	104	0.090	SW846 8280A
1,2,3,7,8-PeCDF	62.5	66.6	ng/L	106		SW846 8280A
	62.5	69.6	ng/L	111	4.5	SW846 8280A
2,3,4,7,8-PeCDF	62.5	60.4	ng/L	97		SW846 8280A
	62.5	61.1	ng/L	98	1.1	SW846 8280A
1,2,3,4,7,8-HxCDF	62.5	57.1	ng/L	91		SW846 8280A
	62.5	53.9	ng/L	86	5.8	SW846 8280A
1,2,3,6,7,8-HxCDF	62.5	60.1	ng/L	96		SW846 8280A
	62.5	59.0	ng/L	94	1.9	SW846 8280A
2,3,4,6,7,8-HxCDF	62.5	76.4	ng/L	122		SW846 8280A
	62.5	78.7	ng/L	126	3.0	SW846 8280A
1,2,3,7,8,9-HxCDF	62.5	76.5	ng/L	122		SW846 8280A
	62.5	82.0	ng/L	131	7.0	SW846 8280A
1,2,3,4,6,7,8-HpCDF	62.5	62.3	ng/L	100		SW846 8280A
	62.5	60.9	ng/L	97	2.4	SW846 8280A
1,2,3,4,7,8,9-HpCDF	62.5	77.1	ng/L	123		SW846 8280A
	62.5	79.9	ng/L	128	3.6	SW846 8280A
OCDF	125	126	ng/L	101		SW846 8280A
	125	127	ng/L	102	0.84	SW846 8280A

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LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: D8H140359 **Work Order #...:** KVWTC1AC-LCS KVWTC1AD-LCSD **Matrix.....:** WATER
LCS Lot-Sample#: G8H270000-475

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	50	(25 - 150)
13C-2,3,7,8-TCDF	45	(25 - 150)
13C-1,2,3,6,7,8-HxCDD	49	(25 - 150)
13C-1,2,3,4,6,7,8-HpCDF	42	(25 - 150)
13C-OCDD	50	(25 - 150)
	45	(25 - 150)
	48	(25 - 150)
	43	(25 - 150)
	58	(25 - 150)
	54	(25 - 150)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	85	(25 - 150)
	83	(25 - 150)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H140000-503 **Prep Batch #...:** 8227503						
Mercury	ND	17	ug/kg	SW846 7471A	08/15/08	KT62R1AA
		Dilution Factor: 1				
		Analysis Time..: 10:16				
MB Lot-Sample #: D8H260000-129 **Prep Batch #...:** 8239129						
Antimony	ND	200	ug/kg	SW846 6020	08/28/08	KVQ9J1AK
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Arsenic	ND	600	ug/kg	SW846 6020	08/28/08	KVQ9J1AA
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Beryllium	ND	100	ug/kg	SW846 6020	08/28/08	KVQ9J1AC
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Cadmium	ND	100	ug/kg	SW846 6020	08/28/08	KVQ9J1AD
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Chromium	ND	200	ug/kg	SW846 6020	08/28/08	KVQ9J1AE
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Copper	ND	250	ug/kg	SW846 6020	08/28/08	KVQ9J1AF
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Lead	ND	150	ug/kg	SW846 6020	08/28/08	KVQ9J1AJ
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Molybdenum	ND	200	ug/kg	SW846 6020	08/28/08	KVQ9J1AG
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Nickel	ND	150	ug/kg	SW846 6020	08/28/08	KVQ9J1AH
		Dilution Factor: 1				
		Analysis Time..: 20:18				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**320 B**	**500**	**ug/kg**	**SW846 6020**	**08/28/08**	**KVQ9J1AL**
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Silver	ND	100	ug/kg	SW846 6020	08/28/08	KVQ9J1AP
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Thallium	ND	100	ug/kg	SW846 6020	08/28/08	KVQ9J1AM
		Dilution Factor: 1				
		Analysis Time..: 20:18				
Zinc	ND	1000	ug/kg	SW846 6020	08/28/08	KVQ9J1AN
		Dilution Factor: 1				
		Analysis Time..: 20:18				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-071 **Prep Batch #...:** 8231071						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFN1AA
		Dilution Factor: 1				
		Analysis Time..: 22:36				
MB Lot-Sample #: D8H180000-167 **Prep Batch #...:** 8231167						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AK
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AC
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AD
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AE
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Chromium	**1.9 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KVAM51AF**
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AG
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AP
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AH
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AJ
		Dilution Factor: 1				
		Analysis Time..: 01:45				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AL
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AA
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AM
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Zinc	**2.2 B**	**10**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KVAM51AN**
		Dilution Factor: 1				
		Analysis Time..: 01:45				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-076 **Prep Batch #...:** 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFX1AA
		Dilution Factor: 1				
		Analysis Time..: 22:09				
MB Lot-Sample #: D8H190000-304 **Prep Batch #...:** 8232304						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AK
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AC
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AD
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AE
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AF
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AG
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AP
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AH
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AJ
		Dilution Factor: 1				
		Analysis Time..: 02:49				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AL
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AA
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AM
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Zinc	ND	10	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AN
		Dilution Factor: 1				
		Analysis Time..: 02:49				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H140000-503 **Prep Batch #...:** 8227503					
Mercury	96	(87 - 111)	SW846 7471A	08/15/08	KT62R1AC
		Dilution Factor: 1	Analysis Time..: 10:19		
LCS Lot-Sample#: D8H260000-129 **Prep Batch #...:** 8239129					
Arsenic	105	(83 - 111)	SW846 6020	08/28/08	KVQ9J1AQ
		Dilution Factor: 1	Analysis Time..: 20:22		
Beryllium	105	(70 - 136)	SW846 6020	08/28/08	KVQ9J1AR
		Dilution Factor: 1	Analysis Time..: 20:22		
Cadmium	102	(85 - 109)	SW846 6020	08/28/08	KVQ9J1AT
		Dilution Factor: 1	Analysis Time..: 20:22		
Chromium	104	(87 - 121)	SW846 6020	08/28/08	KVQ9J1AU
		Dilution Factor: 1	Analysis Time..: 20:22		
Copper	108	(87 - 125)	SW846 6020	08/28/08	KVQ9J1AV
		Dilution Factor: 1	Analysis Time..: 20:22		
Molybdenum	103	(80 - 120)	SW846 6020	08/28/08	KVQ9J1AW
		Dilution Factor: 1	Analysis Time..: 20:22		
Nickel	108	(90 - 113)	SW846 6020	08/28/08	KVQ9J1AX
		Dilution Factor: 1	Analysis Time..: 20:22		
Lead	109	(81 - 125)	SW846 6020	08/28/08	KVQ9J1A0
		Dilution Factor: 1	Analysis Time..: 20:22		
Antimony	104	(82 - 110)	SW846 6020	08/28/08	KVQ9J1A1
		Dilution Factor: 1	Analysis Time..: 20:22		
Selenium	103	(78 - 108)	SW846 6020	08/28/08	KVQ9J1A2
		Dilution Factor: 1	Analysis Time..: 20:22		
Thallium	112	(84 - 124)	SW846 6020	08/28/08	KVQ9J1A3
		Dilution Factor: 1	Analysis Time..: 20:22		
Zinc	98	(85 - 119)	SW846 6020	08/28/08	KVQ9J1A4
		Dilution Factor: 1	Analysis Time..: 20:22		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	106	(83 - 113)	SW846 6020	08/28/08	KVQ9J1A5

Dilution Factor: 1 Analysis Time..: 20:22

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H140000-503 **Prep Batch #...:** 8227503							
Mercury	417	400	ug/kg	96	SW846 7471A	08/15/08	KT62R1AC
			Dilution Factor: 1		Analysis Time..: 10:19		
LCS Lot-Sample#: D8H260000-129 **Prep Batch #...:** 8239129							
Arsenic	20000	21000	ug/kg	105	SW846 6020	08/28/08	KVQ9J1AQ
			Dilution Factor: 1		Analysis Time..: 20:22		
Beryllium	20000	21000	ug/kg	105	SW846 6020	08/28/08	KVQ9J1AR
			Dilution Factor: 1		Analysis Time..: 20:22		
Cadmium	20000	20400	ug/kg	102	SW846 6020	08/28/08	KVQ9J1AT
			Dilution Factor: 1		Analysis Time..: 20:22		
Chromium	20000	20700	ug/kg	104	SW846 6020	08/28/08	KVQ9J1AU
			Dilution Factor: 1		Analysis Time..: 20:22		
Copper	20000	21600	ug/kg	108	SW846 6020	08/28/08	KVQ9J1AV
			Dilution Factor: 1		Analysis Time..: 20:22		
Molybdenum	20000	20600	ug/kg	103	SW846 6020	08/28/08	KVQ9J1AW
			Dilution Factor: 1		Analysis Time..: 20:22		
Nickel	20000	21500	ug/kg	108	SW846 6020	08/28/08	KVQ9J1AX
			Dilution Factor: 1		Analysis Time..: 20:22		
Lead	20000	21800	ug/kg	109	SW846 6020	08/28/08	KVQ9J1A0
			Dilution Factor: 1		Analysis Time..: 20:22		
Antimony	20000	20800	ug/kg	104	SW846 6020	08/28/08	KVQ9J1A1
			Dilution Factor: 1		Analysis Time..: 20:22		
Selenium	20000	20600	ug/kg	103	SW846 6020	08/28/08	KVQ9J1A2
			Dilution Factor: 1		Analysis Time..: 20:22		
Thallium	20000	22500	ug/kg	112	SW846 6020	08/28/08	KVQ9J1A3
			Dilution Factor: 1		Analysis Time..: 20:22		
Zinc	20000	19500	ug/kg	98	SW846 6020	08/28/08	KVQ9J1A4
			Dilution Factor: 1		Analysis Time..: 20:22		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	20000	21200	ug/kg	106	SW846 6020	08/28/08	KVQ9J1A5

Dilution Factor: 1 Analysis Time..: 20:22

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071					
Mercury	103	(90 - 110)	MCAWW 245.1	08/18/08	KVAFN1AC
		Dilution Factor: 1	Analysis Time..: 22:39		
LCS Lot-Sample#: D8H180000-167 **Prep Batch #...:** 8231167					
Silver	93	(90 - 114)	MCAWW 200.8	08/18-08/22/08	KVAM51AQ
		Dilution Factor: 1	Analysis Time..: 01:49		
Arsenic	100	(89 - 111)	MCAWW 200.8	08/18-08/22/08	KVAM51AR
		Dilution Factor: 1	Analysis Time..: 01:49		
Beryllium	99	(85 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AT
		Dilution Factor: 1	Analysis Time..: 01:49		
Cadmium	92	(89 - 111)	MCAWW 200.8	08/18-08/22/08	KVAM51AU
		Dilution Factor: 1	Analysis Time..: 01:49		
Chromium	101	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AV
		Dilution Factor: 1	Analysis Time..: 01:49		
Copper	99	(90 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AW
		Dilution Factor: 1	Analysis Time..: 01:49		
Molybdenum	93	(89 - 112)	MCAWW 200.8	08/18-08/22/08	KVAM51AX
		Dilution Factor: 1	Analysis Time..: 01:49		
Nickel	97	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A0
		Dilution Factor: 1	Analysis Time..: 01:49		
Antimony	94	(85 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A1
		Dilution Factor: 1	Analysis Time..: 01:49		
Selenium	105	(85 - 114)	MCAWW 200.8	08/18-08/22/08	KVAM51A2
		Dilution Factor: 1	Analysis Time..: 01:49		
Thallium	92	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A3
		Dilution Factor: 1	Analysis Time..: 01:49		
Zinc	101	(88 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A4
		Dilution Factor: 1	Analysis Time..: 01:49		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A5

Dilution Factor: 1 Analysis Time..: 01:49

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071							
Mercury	5.00	5.14	ug/L	103	MCAWW 245.1	08/18/08	KVAFN1AC
			Dilution Factor: 1		Analysis Time..: 22:39		
LCS Lot-Sample#: D8H180000-167 **Prep Batch #...:** 8231167							
Silver	40.0	37.2	ug/L	93	MCAWW 200.8	08/18-08/22/08	KVAM51AQ
			Dilution Factor: 1		Analysis Time..: 01:49		
Arsenic	40.0	40.0	ug/L	100	MCAWW 200.8	08/18-08/22/08	KVAM51AR
			Dilution Factor: 1		Analysis Time..: 01:49		
Beryllium	40.0	39.5	ug/L	99	MCAWW 200.8	08/18-08/22/08	KVAM51AT
			Dilution Factor: 1		Analysis Time..: 01:49		
Cadmium	40.0	36.7	ug/L	92	MCAWW 200.8	08/18-08/22/08	KVAM51AU
			Dilution Factor: 1		Analysis Time..: 01:49		
Chromium	40.0	40.6	ug/L	101	MCAWW 200.8	08/18-08/22/08	KVAM51AV
			Dilution Factor: 1		Analysis Time..: 01:49		
Copper	40.0	39.5	ug/L	99	MCAWW 200.8	08/18-08/22/08	KVAM51AW
			Dilution Factor: 1		Analysis Time..: 01:49		
Molybdenum	40.0	37.3	ug/L	93	MCAWW 200.8	08/18-08/22/08	KVAM51AX
			Dilution Factor: 1		Analysis Time..: 01:49		
Nickel	40.0	38.8	ug/L	97	MCAWW 200.8	08/18-08/22/08	KVAM51A0
			Dilution Factor: 1		Analysis Time..: 01:49		
Antimony	40.0	37.4	ug/L	94	MCAWW 200.8	08/18-08/22/08	KVAM51A1
			Dilution Factor: 1		Analysis Time..: 01:49		
Selenium	40.0	42.1	ug/L	105	MCAWW 200.8	08/18-08/22/08	KVAM51A2
			Dilution Factor: 1		Analysis Time..: 01:49		
Thallium	40.0	36.8	ug/L	92	MCAWW 200.8	08/18-08/22/08	KVAM51A3
			Dilution Factor: 1		Analysis Time..: 01:49		
Zinc	40.0	40.6	ug/L	101	MCAWW 200.8	08/18-08/22/08	KVAM51A4
			Dilution Factor: 1		Analysis Time..: 01:49		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.9	ug/L	95	MCAWW 200.8	08/18-08/22/08	KVAM51A5

Dilution Factor: 1 Analysis Time..: 01:49

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076					
Mercury	104	(90 - 110)	MCAWW 245.1	08/18/08	KVAFX1AC
		Dilution Factor: 1	Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304					
Silver	94	(90 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
		Dilution Factor: 1	Analysis Time..: 02:53		
Arsenic	96	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
		Dilution Factor: 1	Analysis Time..: 02:53		
Beryllium	102	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
		Dilution Factor: 1	Analysis Time..: 02:53		
Cadmium	95	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
		Dilution Factor: 1	Analysis Time..: 02:53		
Chromium	94	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
		Dilution Factor: 1	Analysis Time..: 02:53		
Copper	99	(90 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
		Dilution Factor: 1	Analysis Time..: 02:53		
Molybdenum	95	(89 - 112)	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
		Dilution Factor: 1	Analysis Time..: 02:53		
Nickel	97	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
		Dilution Factor: 1	Analysis Time..: 02:53		
Antimony	99	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
		Dilution Factor: 1	Analysis Time..: 02:53		
Selenium	98	(85 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
		Dilution Factor: 1	Analysis Time..: 02:53		
Thallium	96	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
		Dilution Factor: 1	Analysis Time..: 02:53		
Zinc	100	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
		Dilution Factor: 1	Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	97	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076							
Mercury	5.00	5.22	ug/L	104	MCAWW 245.1	08/18/08	KVAFX1AC
			Dilution Factor: 1		Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304							
Silver	40.0	37.8	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
			Dilution Factor: 1		Analysis Time..: 02:53		
Arsenic	40.0	38.6	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
			Dilution Factor: 1		Analysis Time..: 02:53		
Beryllium	40.0	40.8	ug/L	102	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
			Dilution Factor: 1		Analysis Time..: 02:53		
Cadmium	40.0	38.2	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
			Dilution Factor: 1		Analysis Time..: 02:53		
Chromium	40.0	37.6	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
			Dilution Factor: 1		Analysis Time..: 02:53		
Copper	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
			Dilution Factor: 1		Analysis Time..: 02:53		
Molybdenum	40.0	38.1	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
			Dilution Factor: 1		Analysis Time..: 02:53		
Nickel	40.0	38.8	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
			Dilution Factor: 1		Analysis Time..: 02:53		
Antimony	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
			Dilution Factor: 1		Analysis Time..: 02:53		
Selenium	40.0	39.4	ug/L	98	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
			Dilution Factor: 1		Analysis Time..: 02:53		
Thallium	40.0	38.3	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
			Dilution Factor: 1		Analysis Time..: 02:53		
Zinc	40.0	40.2	ug/L	100	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
			Dilution Factor: 1		Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	38.7	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 09:40 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140223-001 **Prep Batch #...:** 8227503							
Mercury	90	(87 - 111)			SW846 7471A	08/15/08	KT5VH1A2
	88	(87 - 111)	2.0	(0-20)	SW846 7471A	08/15/08	KT5VH1A3

Dilution Factor: 1
Analysis Time..: 10:23

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 09:40 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140223-001 **Prep Batch #...:** 8227503									
Mercury									
	16	600	557	ug/kg	90		SW846 7471A	08/15/08	KT5VH1A2
	16	600	546	ug/kg	88	2.0	SW846 7471A	08/15/08	KT5VH1A3

Dilution Factor: 1
Analysis Time..: 10:23

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071							
Mercury	96	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1A9
	95	(90 - 110)	1.5	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CA
		Dilution Factor: 1					
		Analysis Time..: 22:50					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071									
Mercury									
	0.11	5.00	4.92	ug/L	96		MCAWW 245.1	08/18/08	KT6TM1A9
	0.11	5.00	4.85	ug/L	95	1.5	MCAWW 245.1	08/18/08	KT6TM1CA

Dilution Factor: 1
Analysis Time..: 22:50

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-012 **Prep Batch #...:** 8231167							
Antimony	95	(80 - 117)			MCAWW 200.8	08/18-08/22/08	KT6TN1CT
	98	(80 - 117)	2.5	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CU
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Arsenic	100	(79 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1CC
	104	(79 - 120)	3.6	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CD
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Beryllium	106	(76 - 126)			MCAWW 200.8	08/18-08/22/08	KT6TN1CE
	107	(76 - 126)	1.1	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CF
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Cadmium	96	(82 - 115)			MCAWW 200.8	08/18-08/22/08	KT6TN1CG
	99	(82 - 115)	3.3	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CH
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Chromium	91	(80 - 124)			MCAWW 200.8	08/18-08/22/08	KT6TN1CJ
	99	(80 - 124)	7.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CK
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Copper	94	(82 - 114)			MCAWW 200.8	08/18-08/22/08	KT6TN1CL
	102	(82 - 114)	4.5	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CM
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Lead	96	(79 - 119)			MCAWW 200.8	08/18-08/22/08	KT6TN1C3
	99	(79 - 119)	3.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C4
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Molybdenum	93	(87 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1CN
	97	(87 - 120)	3.3	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CP
		Dilution Factor: 1					
		Analysis Time..: 02:34					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	95	(76 - 119)			MCAWW 200.8	08/18-08/22/08	KT6TN1CQ
	98	(76 - 119)	3.0	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CR
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Selenium	78	(64 - 134)			MCAWW 200.8	08/18-08/22/08	KT6TN1CV
	88	(64 - 134)	11	(0-35)	MCAWW 200.8	08/18-08/22/08	KT6TN1CW
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Silver	90	(20 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1A9
	93	(20 - 120)	3.1	(0-40)	MCAWW 200.8	08/18-08/22/08	KT6TN1CA
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Thallium	96	(77 - 124)			MCAWW 200.8	08/18-08/22/08	KT6TN1CX
	99	(77 - 124)	3.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C0
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Zinc	87	(72 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1C1
	101	(72 - 120)	3.7	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C2
		Dilution Factor: 1					
		Analysis Time..: 02:34					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

MS Lot-Sample #: D8H140359-012 **Prep Batch #...:** 8231167

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	0.47	40.0	38.6	ug/L	95		MCAWW 200.8	08/18-08/22/08	KT6TN1CT
	0.47	40.0	39.6	ug/L	98	2.5	MCAWW 200.8	08/18-08/22/08	KT6TN1CU
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Arsenic									
	2.2	40.0	42.1	ug/L	100		MCAWW 200.8	08/18-08/22/08	KT6TN1CC
	2.2	40.0	43.6	ug/L	104	3.6	MCAWW 200.8	08/18-08/22/08	KT6TN1CD
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Beryllium									
	ND	40.0	42.5	ug/L	106		MCAWW 200.8	08/18-08/22/08	KT6TN1CE
	ND	40.0	43.0	ug/L	107	1.1	MCAWW 200.8	08/18-08/22/08	KT6TN1CF
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Cadmium									
	0.60	40.0	38.8	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1CG
	0.60	40.0	40.1	ug/L	99	3.3	MCAWW 200.8	08/18-08/22/08	KT6TN1CH
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Chromium									
	2.2	40.0	38.8	ug/L	91		MCAWW 200.8	08/18-08/22/08	KT6TN1CJ
	2.2	40.0	41.8	ug/L	99	7.4	MCAWW 200.8	08/18-08/22/08	KT6TN1CK
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Copper									
	37	40.0	74.3	ug/L	94		MCAWW 200.8	08/18-08/22/08	KT6TN1CL
	37	40.0	77.7	ug/L	102	4.5	MCAWW 200.8	08/18-08/22/08	KT6TN1CM
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Lead									
	2.3	40.0	40.6	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1C3
	2.3	40.0	42.1	ug/L	99	3.4	MCAWW 200.8	08/18-08/22/08	KT6TN1C4
			Dilution Factor: 1						
			Analysis Time..: 02:34						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.5	40.0	41.7	ug/L	93		MCAWW 200.8	08/18-08/22/08	KT6TN1CN
	4.5	40.0	43.2	ug/L	97	3.3	MCAWW 200.8	08/18-08/22/08	KT6TN1CP
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Nickel									
	3.2	40.0	41.1	ug/L	95		MCAWW 200.8	08/18-08/22/08	KT6TN1CQ
	3.2	40.0	42.4	ug/L	98	3.0	MCAWW 200.8	08/18-08/22/08	KT6TN1CR
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Selenium									
	ND	40.0	31.3	ug/L	78		MCAWW 200.8	08/18-08/22/08	KT6TN1CV
	ND	40.0	35.1	ug/L	88	11	MCAWW 200.8	08/18-08/22/08	KT6TN1CW
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Silver									
	1.4	40.0	37.2	ug/L	90		MCAWW 200.8	08/18-08/22/08	KT6TN1A9
	1.4	40.0	38.4	ug/L	93	3.1	MCAWW 200.8	08/18-08/22/08	KT6TN1CA
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Thallium									
	ND	40.0	38.3	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1CX
	ND	40.0	39.6	ug/L	99	3.4	MCAWW 200.8	08/18-08/22/08	KT6TN1C0
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Zinc									
	110	40.0	148	ug/L	87		MCAWW 200.8	08/18-08/22/08	KT6TN1C1
	110	40.0	154	ug/L	101	3.7	MCAWW 200.8	08/18-08/22/08	KT6TN1C2
			Dilution Factor: 1						
			Analysis Time..: 02:34						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-009 **Prep Batch #...:** 8239129							
Antimony	68 N	(82 - 110)			SW846 6020	08/28/08	KT6TK1CE
	65 N	(82 - 110)	5.4	(0-20)	SW846 6020	08/28/08	KT6TK1CF
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Arsenic	101	(83 - 111)			SW846 6020	08/28/08	KT6TK1AV
	94	(83 - 111)	6.9	(0-20)	SW846 6020	08/28/08	KT6TK1AW
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Beryllium	102	(70 - 136)			SW846 6020	08/28/08	KT6TK1AX
	94	(70 - 136)	8.0	(0-20)	SW846 6020	08/28/08	KT6TK1A0
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Cadmium	96	(85 - 109)			SW846 6020	08/28/08	KT6TK1A1
	90	(85 - 109)	6.3	(0-20)	SW846 6020	08/28/08	KT6TK1A2
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Chromium	98	(87 - 121)			SW846 6020	08/28/08	KT6TK1A3
	91	(87 - 121)	5.5	(0-20)	SW846 6020	08/28/08	KT6TK1A4
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Copper	104	(87 - 125)			SW846 6020	08/28/08	KT6TK1A5
	67 N	(87 - 125)	8.3	(0-20)	SW846 6020	08/28/08	KT6TK1A6
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Lead	103	(81 - 125)			SW846 6020	08/28/08	KT6TK1CC
	92	(81 - 125)	8.7	(0-20)	SW846 6020	08/28/08	KT6TK1CD
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Molybdenum	97	(80 - 120)			SW846 6020	08/28/08	KT6TK1A7
	91	(80 - 120)	5.8	(0-20)	SW846 6020	08/28/08	KT6TK1A8
		Dilution Factor: 1					
		Analysis Time..: 20:42					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	100	(90 - 113)			SW846 6020	08/28/08	KT6TK1A9
	93	(90 - 113)	6.2	(0-20)	SW846 6020	08/28/08	KT6TK1CA
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Selenium	99	(78 - 108)			SW846 6020	08/28/08	KT6TK1CG
	93	(78 - 108)	6.7	(0-20)	SW846 6020	08/28/08	KT6TK1CH
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Silver	98	(83 - 113)			SW846 6020	08/28/08	KT6TK1CN
	86	(83 - 113)	11	(0-20)	SW846 6020	08/28/08	KT6TK1CP
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Thallium	105	(84 - 124)			SW846 6020	08/28/08	KT6TK1CJ
	99	(84 - 124)	6.6	(0-20)	SW846 6020	08/28/08	KT6TK1CK
		Dilution Factor: 1					
		Analysis Time..: 20:42					
Zinc	NC,MSB	(85 - 119)			SW846 6020	08/28/08	KT6TK1CL
	NC,MSB	(85 - 119)		(0-20)	SW846 6020	08/28/08	KT6TK1CM
		Dilution Factor: 1					
		Analysis Time..: 20:42					

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-009 **Prep Batch #...:** 8239129									
Antimony									
	1500	68000	47900 N	ug/kg	68		SW846 6020	08/28/08	KT6TK1CE
	1500	68000	45400 N	ug/kg	65	5.4	SW846 6020	08/28/08	KT6TK1CF
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Arsenic									
	5400	68000	74100	ug/kg	101		SW846 6020	08/28/08	KT6TK1AV
	5400	68000	69200	ug/kg	94	6.9	SW846 6020	08/28/08	KT6TK1AW
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Beryllium									
	140	68000	69600	ug/kg	102		SW846 6020	08/28/08	KT6TK1AX
	140	68000	64300	ug/kg	94	8.0	SW846 6020	08/28/08	KT6TK1A0
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Cadmium									
	1800	68000	67100	ug/kg	96		SW846 6020	08/28/08	KT6TK1A1
	1800	68000	63100	ug/kg	90	6.3	SW846 6020	08/28/08	KT6TK1A2
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Chromium									
	13000	68000	79600	ug/kg	98		SW846 6020	08/28/08	KT6TK1A3
	13000	68000	75300	ug/kg	91	5.5	SW846 6020	08/28/08	KT6TK1A4
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Copper									
	240000	68000	312000	ug/kg	104		SW846 6020	08/28/08	KT6TK1A5
	240000	68000	287000	ug/kg	67	8.3	SW846 6020	08/28/08	KT6TK1A6
			Qualifiers: N						
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Lead									
	21000	68000	91400	ug/kg	103		SW846 6020	08/28/08	KT6TK1CC
	21000	68000	83700	ug/kg	92	8.7	SW846 6020	08/28/08	KT6TK1CD
			Dilution Factor: 1						
			Analysis Time..: 20:42						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	5600	68000	71500	ug/kg	97		SW846 6020	08/28/08	KT6TK1A7
	5600	68000	67400	ug/kg	91	5.8	SW846 6020	08/28/08	KT6TK1A8
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Nickel									
	12000	68000	79900	ug/kg	100		SW846 6020	08/28/08	KT6TK1A9
	12000	68000	75100	ug/kg	93	6.2	SW846 6020	08/28/08	KT6TK1CA
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Selenium									
	3800	68000	71400	ug/kg	99		SW846 6020	08/28/08	KT6TK1CG
	3800	68000	66800	ug/kg	93	6.7	SW846 6020	08/28/08	KT6TK1CH
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Silver									
	7100	68000	73500	ug/kg	98		SW846 6020	08/28/08	KT6TK1CN
	7100	68000	65800	ug/kg	86	11	SW846 6020	08/28/08	KT6TK1CP
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Thallium									
	71	68000	71800	ug/kg	105		SW846 6020	08/28/08	KT6TK1CJ
	71	68000	67300	ug/kg	99	6.6	SW846 6020	08/28/08	KT6TK1CK
			Dilution Factor: 1						
			Analysis Time..: 20:42						
Zinc									
	690000	68000	740000	ug/kg			SW846 6020	08/28/08	KT6TK1CL
			Qualifiers: NC,MSB						
	690000	68000	680000	ug/kg			SW846 6020	08/28/08	KT6TK1CM
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 20:42						

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076							
Mercury	97	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1CC
	100	(90 - 110)	2.9	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CD
		Dilution Factor: 1					
		Analysis Time..: 22:20					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076									
Mercury									
	ND	5.00	4.84	ug/L	97		MCAWW 245.1	08/18/08	KT6TM1CC
	ND	5.00	4.99	ug/L	100	2.9	MCAWW 245.1	08/18/08	KT6TM1CD

Dilution Factor: 1
Analysis Time..: 22:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304							
Antimony	103	(80 - 117)			MCAWW 200.8	08/20-08/22/08	KT96V1CT
	105	(80 - 117)	2.1	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CU
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Arsenic	110	(79 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CC
	105	(79 - 120)	4.3	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CD
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Beryllium	112	(76 - 126)			MCAWW 200.8	08/20-08/22/08	KT96V1CE
	107	(76 - 126)	4.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CF
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Cadmium	99	(82 - 115)			MCAWW 200.8	08/20-08/22/08	KT96V1CG
	96	(82 - 115)	3.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CH
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Chromium	98	(80 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	95	(80 - 124)	2.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CK
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Copper	106	(82 - 114)			MCAWW 200.8	08/20-08/22/08	KT96V1CL
	95	(82 - 114)	7.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CM
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Lead	106	(79 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1C3
	96	(79 - 119)	9.0	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C4
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Molybdenum	99	(87 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CN
	97	(87 - 120)	1.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CP
		Dilution Factor: 1					
		Analysis Time..: 03:35					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	99	(76 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	95	(76 - 119)	4.2	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CR
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Selenium	105	(64 - 134)			MCAWW 200.8	08/20-08/22/08	KT96V1CV
	98	(64 - 134)	7.8	(0-35)	MCAWW 200.8	08/20-08/22/08	KT96V1CW
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Silver	97	(20 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1A9
	93	(20 - 120)	4.0	(0-40)	MCAWW 200.8	08/20-08/22/08	KT96V1CA
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Thallium	105	(77 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CX
	96	(77 - 124)	8.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C0
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Zinc	104	(72 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1C1
	97	(72 - 120)	4.7	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C2
		Dilution Factor: 1					
		Analysis Time..: 03:35					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304									
Antimony									
	0.43	40.0	41.5	ug/L	103		MCAWW 200.8	08/20-08/22/08	KT96V1CT
	0.43	40.0	42.4	ug/L	105	2.1	MCAWW 200.8	08/20-08/22/08	KT96V1CU
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Arsenic									
	1.3	40.0	45.1	ug/L	110		MCAWW 200.8	08/20-08/22/08	KT96V1CC
	1.3	40.0	43.2	ug/L	105	4.3	MCAWW 200.8	08/20-08/22/08	KT96V1CD
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Beryllium									
	ND	40.0	44.7	ug/L	112		MCAWW 200.8	08/20-08/22/08	KT96V1CE
	ND	40.0	42.8	ug/L	107	4.4	MCAWW 200.8	08/20-08/22/08	KT96V1CF
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Cadmium									
	0.041	40.0	39.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CG
	0.041	40.0	38.3	ug/L	96	3.9	MCAWW 200.8	08/20-08/22/08	KT96V1CH
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Chromium									
	2.3	40.0	41.6	ug/L	98		MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	2.3	40.0	40.4	ug/L	95	2.9	MCAWW 200.8	08/20-08/22/08	KT96V1CK
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Copper									
	20	40.0	62.5	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1CL
	20	40.0	58.1	ug/L	95	7.4	MCAWW 200.8	08/20-08/22/08	KT96V1CM
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Lead									
	0.67	40.0	42.9	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1C3
	0.67	40.0	39.2	ug/L	96	9.0	MCAWW 200.8	08/20-08/22/08	KT96V1C4
			Dilution Factor: 1						
			Analysis Time..: 03:35						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	10	40.0	49.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CN
	10	40.0	49.0	ug/L	97	1.6	MCAWW 200.8	08/20-08/22/08	KT96V1CP
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Nickel									
	3.0	40.0	42.7	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	3.0	40.0	40.9	ug/L	95	4.2	MCAWW 200.8	08/20-08/22/08	KT96V1CR
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Selenium									
	ND	40.0	42.2	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CV
	ND	40.0	39.0	ug/L	98	7.8	MCAWW 200.8	08/20-08/22/08	KT96V1CW
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Silver									
	0.83	40.0	39.7	ug/L	97		MCAWW 200.8	08/20-08/22/08	KT96V1A9
	0.83	40.0	38.1	ug/L	93	4.0	MCAWW 200.8	08/20-08/22/08	KT96V1CA
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Thallium									
	ND	40.0	42.0	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CX
	ND	40.0	38.6	ug/L	96	8.6	MCAWW 200.8	08/20-08/22/08	KT96V1C0
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Zinc									
	14	40.0	55.2	ug/L	104		MCAWW 200.8	08/20-08/22/08	KT96V1C1
	14	40.0	52.7	ug/L	97	4.7	MCAWW 200.8	08/20-08/22/08	KT96V1C2
			Dilution Factor: 1						
			Analysis Time..: 03:35						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		Work Order #: KVJRP1AA		MB Lot-Sample #:	D8H210000-347	
	1.8 B	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**08/21/08**	**8234347**
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Cyanide		Work Order #: KVHMN1AA		MB Lot-Sample #:	D8H200000-389	
	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1				
		Analysis Time..: 13:20				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KVW1N1AA		MB Lot-Sample #:	D8H270000-523	
	ND	0.50	mg/kg	SW846 9010B/9012A	08/27/08	8240523
		Dilution Factor: 1				
		Analysis Time..: 13:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8H140359 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		WO#:KVJRP1AC-LCS/KVJRP1AD-LCSD				LCS Lot-Sample#: D8H210000-347	
	84	(82 - 103)			CFR136A 1664A HEM	08/21/08	8234347
	84	(82 - 103)	0.29	(0-22)	CFR136A 1664A HEM	08/21/08	8234347
		Dilution Factor: 1			Analysis Time..: 09:00		
Total Cyanide		WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD				LCS Lot-Sample#: D8H200000-389	
	107	(90 - 110)			SM18 4500-CN E	08/20/08	8233389
	107	(90 - 110)	0.18	(0-10)	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1			Analysis Time..: 13:20		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8H140359 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		WO#:KVJRP1AC-LCS/KVJRP1AD-LCSD				LCS Lot-Sample#: D8H210000-347		
	40.0	33.7	mg/L	84		CFR136A 1664A HEM	08/21/08	8234347
	40.0	33.6	mg/L	84	0.29	CFR136A 1664A HEM	08/21/08	8234347
		Dilution Factor: 1				Analysis Time..: 09:00		
Total Cyanide		WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD				LCS Lot-Sample#: D8H200000-389		
	0.100	0.107	mg/L	107		SM18 4500-CN E	08/20/08	8233389
	0.100	0.107	mg/L	107	0.18	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1				Analysis Time..: 13:20		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KVW1N1AC-LCS/KVW1N1AD-LCSD				LCS Lot-Sample#: D8H270000-523	
	104	(90 - 110)			SW846 9010B/9012A	08/27/08	8240523
	102	(90 - 110)	2.1	(0-10)	SW846 9010B/9012A	08/27/08	8240523

Dilution Factor: 1 Analysis Time..: 13:00

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8H140359 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#:KVW1N1AC-LCS/KVW1N1AD-LCSD			LCS Lot-Sample#: D8H270000-523		
	5.00	5.19	mg/kg	104		SW846 9010B/9012A	08/27/08	8240523
	5.00	5.08	mg/kg	102	2.1	SW846 9010B/9012A	08/27/08	8240523

Dilution Factor: 1 Analysis Time..: 13:00

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)		WO#: KT9GP1AF-MS/KT9GP1AG-MSD				MS Lot-Sample #: D8H160126-001	
	96	(78 - 114)			CFR136A 1664A HEM	08/21/08	8234347
	97	(78 - 114)	0.81	(0-18)	CFR136A 1664A HEM	08/21/08	8234347
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Total Cyanide		WO#: KVDXQ1AQ-MS/KVDXQ1AR-MSD				MS Lot-Sample #: D8H190185-001	
	94	(90 - 110)			SM18 4500-CN E	08/20/08	8233388
	92	(90 - 110)	1.9	(0-10)	SM18 4500-CN E	08/20/08	8233388
		Dilution Factor: 1					
		Analysis Time..: 13:20					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
HEM (Oil and Grease)			WO#: KT9GP1AF-MS/KT9GP1AG-MSD				MS Lot-Sample #: D8H160126-001		
	4.4	40.0	42.6	mg/L	96		CFR136A 1664A	08/21/08	8234347
	4.4	40.0	43.0	mg/L	97	0.81	CFR136A 1664A	08/21/08	8234347
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Total Cyanide			WO#: KVDXQ1AQ-MS/KVDXQ1AR-MSD				MS Lot-Sample #: D8H190185-001		
	ND	0.100	0.0940	mg/L	94		SM18 4500-CN	08/20/08	8233388
	ND	0.100	0.0922	mg/L	92	1.9	SM18 4500-CN	08/20/08	8233388
			Dilution Factor: 1						
			Analysis Time..: 13:20						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#: KT6TK1CQ-MS/KT6TK1CR-MSD				MS Lot-Sample #: D8H140359-009	
	80 N	(90 - 110)			SW846 9010B/9012A	08/27/08	8240523
	83 N	(90 - 110)	2.9	(0-10)	SW846 9010B/9012A	08/27/08	8240523
		Dilution Factor: 1					
		Analysis Time..: 13:00					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8H140359 **Matrix.....:** SOLID
Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KT6TK1CQ-MS/KT6TK1CR-MSD				MS Lot-Sample #: D8H140359-009		
	0.42	17.0	14.0 N	mg/kg	80		SW846 9010B/9	08/27/08	8240523
	0.42	17.0	14.5 N	mg/kg	83	2.9	SW846 9010B/9	08/27/08	8240523
			Dilution Factor: 1						
			Analysis Time..: 13:00						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Work Order #...:** KT6VG-SMP KT6VG-DUP **Matrix.....:** SOLID

Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

% Moisture.....: 71

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8H140359-023	
	71	69	%	2.2	(0-20)	ASTM D 2216-90	08/21-08/22/08	8234310

Dilution Factor: 1 Analysis Time..: 11:05

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Work Order #...:** KT6TL-SMP KT6TL-DUP **Matrix.....:** SOLID

Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

% Moisture.....: 64

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8H140359-010	
	64	71	%	10	(0-20)	MCAWW 160.3 MOD	08/21/08	8234413

Dilution Factor: 1 Analysis Time..: 15:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Work Order #...:** KT5V7-SMP KT5V7-DUP **Matrix.....:** SOLID

Date Sampled...: 08/13/08 13:35 **Date Received..:** 08/14/08

% Moisture.....: 69

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	D8H140223-006	
	69	69	%	0.14	(0-20)	MCAWW 160.3 MOD	08/26/08	8239228

Dilution Factor: 1 Analysis Time..: 13:00

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H140359 **Work Order #...:** KT6TK-SMP KT6TK-DUP **Matrix.....:** SOLID

Date Sampled...: 08/13/08 06:00 **Date Received..:** 08/14/08

% Moisture.....: 71

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	D8H140359-009	
	29	29	%	0.10	(0-0.0)	SM18 2540B	08/28/08	8242163

Dilution Factor: 1 Analysis Time..: 15:00

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1011 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water | **Preservative:** HCl, 4°C | **Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP020	INF CMP #1	3	8/12/08	0900		
MOA08VOP021	INF CMP #2	3	8/12/08	1157		
MOA08VOP022	INF CMP #3	3	8/12/08	1457		
MOA08VOP023	INF CMP #4	3	8/12/08	1862		
MOA08VOP024	INF CMP #5	3	8/12/08	2109		
MOA08VOP025	INF CMP #6	3	8/13/08	0085		
MOA08VOP026	INF CMP #7	3	8/13/08	0300		
MOA08VOP027	INF CMP #8	3	8/13/08	0550		

SAMPLES LISTED ON THIS COC SHOULD BE COMPOSITED IN AN EIGHT-PART COMPOSITE IN A VAPOR-TYPE SYRINGE PRIOR TO ANALYSIS.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/13	8/1020	[signature]	[signature]	8/13/08 1020
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/13/08 1300	FedEx		
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
			[signature]	8/14/08 0930

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmWETVOP08COC.wpd

2.7°C 08/14/08 HRC

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1011 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water	**Preservative:** HCl, 4°C Effluent samples contain L-Ascorbic Acid	**Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP028	EFF CMP #1	3	8/12/08	0950		
MOA08VOP029	EFF CMP #2	3	8/12/08	1200		
MOA08VOP030	EFF CMP #3	3	8/12/08	1500		
MOA08VOP031	EFF CMP #4	3	8/12/08	1800		
MOA08VOP032	EFF CMP #5	3	8/12/08	2100		
MOA08VOP033	EFF CMP #6	3	8/12/08	2400		
MOA08VOP034	EFF CMP #7	3	8/13/08	0300		
MOA08VOP035	EFF CMP #8	3	8/13/08	0600		

SAMPLES LISTED ON THIS COC SHOULD BE COMPOSITED IN AN EIGHT-PART COMPOSITE IN A VAPOR-TYPE SYRINGE PRIOR TO ANALYSIS.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
8/13/8	1020			8/13/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	8/13/08 1300	FED EX		
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
				8/14/08 0930

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
TestAmerica 4955 yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 Days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 624. Detection limits as per method.

MATRIX: Water	**Preservative:** HCl, 4° C	Type of Container: 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP036	C-Station	3	8/13/8	935		
MOA08VOP037	Trip Blank	3	—	—		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC

Please return completed original COC to KLI Anchorage.

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[signature]	8/13/08 1300	FED Ex		
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
			[signature]	8/14/08 0930

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica. 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere 4.8°C 8/14/08 EAR	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 608 plus Mirex and EPA 8082 Detection limits 0.05 - 1.0 µg/L.

MATRIX: Water	**Preservative:** None, 4°C Effluent samples contain L-Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PES005	Influent	2	8/13/8	0700		
MOA08PES006	Effluent	6	8/13/8	0700		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

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[signature]	8/13/8 1020	[signature]	[signature]	8/13/08 1030
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[signature]	8/13/08 1500	FED EX		
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			[signature]	8/14/08 0930

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8270C. **Report using EPA 625 analyte list.** Detection limits as per method. Please report in dry weight.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08SVL006	Sludge	1	8/13	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
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[illegible]	8/13/08 1300	FED EX		
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
			[illegible]	8/14/08 0930

SAMPLED BY (NAME/SIGNATURE): _____

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 8081A plus Mirex, and EPA 8141A for Demeton, Guthion, Malathion, and Parathion only; and EPA 8082. Detection limits 0.01 - 0.06 µg/g (dry weight; Guthion ~5 µg/g). Please report in dry weight.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PES007	Sludge	1	8/13	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

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			[illegible]	8/14/08 0930

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 Days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8260B. **Report using EPA 624 analyte list.** Detection limits as per method. Please report in dry weight.:

MATRIX: Sludge	**Preservative:** None, 4° C	Type of Container: 250-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOP038	Sludge	1	8/13	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC

Please return completed original COC to KLI Anchorage.

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	8/13/08 1300	FED EX		
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				8/14/08 0930

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 625. Detection limits as per method.

MATRIX: Water	**Preservative:** None, 4°C Effluent samples contain L-Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08SVL004	Influent	~~2~~ 1	8/13/8	0700		
MOA08SVL005	Effluent	2	8/13/8	0700		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage. ONLY ONE BOTTLE FOR INFLUENT

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303)736-0176 Attn: Danielle Fougere	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

2.8°c
8/14/8
SRL

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Pesticides: EPA 614 for Demeton, Guthion, Malathion, and Parathion only. Detection limits 0.05 - 1.0 µg/L (Guthion ~15 µg/L).

MATRIX: Water	**Preservative:** None, 4°C Effluent samples contain L-Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
✓ MOA08PST004	Influent	2	8/13/8	0700		
✓ MOA08PST005	Effluent	6	8/13/8	0700		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

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			[signature]	8/14/8 0930

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 880 Riverside Parkway West Sacramento, CA 95605 (916) 374-4362 Attn: Jill Kellman	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8280A for TCDD. Detection limits as per method.

MATRIX: Water	**Preservative:** None, 4°C Effluent samples contain L-Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08DXN004	Influent	2	8/13/8	0700		
MOA08DXN005	Effluent	2	8/13/8	0700		

NOTE: Please contact Danielle Fougere in Arvada, CO to log these samples with other samples they are analyzing for this project. Thank you.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 880 Riverside Parkway West Sacramento, CA 95605 (916) 374-4362 Attn: Jill Kellman	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1011 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 8280A for TCDD. Detection limits as per method. Please report in dry weight.

MATRIX: Sludge | **Preservative:** None, 4°C | **Type of Container:** 125-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08DXN006	Sludge	1	8/12/08	0600		

NOTE: Please contact Danielle Fougere in Arvada, CO to log these samples with other samples they are analyzing for this project. Thank you.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8H150212

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

August 29, 2008

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Table of Contents

Standard Deliverables

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Standard Deliverables *(The **Report Cover** page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*	49

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- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Chain-of-Custody**

CASE NARRATIVE
D8H150212

The following report contains the analytical results for four samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received August 15, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 5.8°C. Please note, there were no custody seals on the cooler when it arrived. Client was contacted on August 15, 2008.

No other anomalies were observed.

Total Metals – Method 200.8/245.1
Low levels of Chromium and Zinc are present in the method blank associated with QC batch 8231167. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1
No anomalies were observed.

General Chemistry – Total Cyanide
No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8H150212

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET011 08/14/08 07:19 001				
Silver - DISSOLVED	0.31 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	0.53 B	5.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	2.1 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	9.6	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	1.0 B	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.3	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.27 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.18 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	15	10	ug/L	MCAWW 200.8
Mercury	0.069 B	0.20	ug/L	MCAWW 245.1
Silver	1.9	1.0	ug/L	MCAWW 200.8
Arsenic	2.4 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.46 B	1.0	ug/L	MCAWW 200.8
Chromium	5.0 J	3.0	ug/L	MCAWW 200.8
Copper	64	2.0	ug/L	MCAWW 200.8
Molybdenum	4.3	2.0	ug/L	MCAWW 200.8
Nickel	4.0	2.0	ug/L	MCAWW 200.8
Lead	3.7	1.0	ug/L	MCAWW 200.8
Antimony	0.48 B	2.0	ug/L	MCAWW 200.8
Selenium	2.1 B	5.0	ug/L	MCAWW 200.8
Zinc	160 J	10	ug/L	MCAWW 200.8
MOA08MET012 08/14/08 07:10 002				
Silver - DISSOLVED	0.70 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	1.9 B	5.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.050 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	2.9 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	17	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	4.7	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.7	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.66 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.35 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	11	10	ug/L	MCAWW 200.8
Mercury	0.046 B	0.20	ug/L	MCAWW 245.1
Silver	1.5	1.0	ug/L	MCAWW 200.8
Arsenic	2.8 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.53 B	1.0	ug/L	MCAWW 200.8
Chromium	3.0 J	3.0	ug/L	MCAWW 200.8
Copper	37	2.0	ug/L	MCAWW 200.8
Molybdenum	4.8	2.0	ug/L	MCAWW 200.8
Nickel	3.1	2.0	ug/L	MCAWW 200.8
Lead	2.0	1.0	ug/L	MCAWW 200.8

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D8H150212

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET012 08/14/08 07:10 002				
Antimony	0.40 B	2.0	ug/L	MCAWW 200.8
Selenium	2.0 B	5.0	ug/L	MCAWW 200.8
Zinc	87 J	10	ug/L	MCAWW 200.8

METHODS SUMMARY

D8H150212

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Total cyanide	SM18 4500-CN E	SM18 4500-CN E

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

D8H150212

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 200.8	Yong-ming Ding	011576
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	9582
SM18 4500-CN E	Eva Jonska-Muteba	004988

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

D8H150212

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KT77X	001	MOA08MET011	08/14/08	07:19
KT79V	002	MOA08MET012	08/14/08	07:10
KT791	003	MOA08TCN017	08/14/08	07:19
KT795	004	MOA08TCN018	08/14/08	07:10

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET011

TOTAL Metals

Lot-Sample #...: D8H150212-001 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:19 **Date Received..:** 08/15/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	**0.069 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**08/18/08**	**KT77X1AQ**
		Dilution Factor: 1		Analysis Time..: 22:43	MDL.....: 0.027	
Prep Batch #...: 8231167						
Silver	**1.9**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AA**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.020	
Arsenic	**2.4 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AC**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT77X1AD
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.15	
Cadmium	**0.46 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AE**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.040	
Chromium	**5.0 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AF**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.88	
Copper	**64**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AG**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.20	
Molybdenum	**4.3**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AH**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.040	
Nickel	**4.0**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AJ**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.28	
Lead	**3.7**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AP**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.10	
Antimony	**0.48 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AK**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.060	
Selenium	**2.1 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AL**
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT77X1AM
		Dilution Factor: 1		Analysis Time..: 02:19	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET011

TOTAL Metals

Lot-Sample #...: D8H150212-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**160 J**	**10**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT77X1AN**

Dilution Factor: 1 Analysis Time..: 02:19 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET011

DISSOLVED Metals

Lot-Sample #...: D8H150212-001 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:19 **Date Received..:** 08/15/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT77X1A7
		Dilution Factor: 1		Analysis Time..: 22:13	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.31 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1AR**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.020	
Arsenic	**0.53 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1AT**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT77X1AU
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.15	
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT77X1AV
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.040	
Chromium	**2.1 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1AW**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.88	
Copper	**9.6**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1AX**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.20	
Molybdenum	**1.0 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1A0**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.040	
Nickel	**2.3**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1A1**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.28	
Lead	**0.27 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1A6**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.10	
Antimony	**0.18 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1A2**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT77X1A3
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT77X1A4
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET011

DISSOLVED Metals

Lot-Sample #...: D8H150212-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**15**	**10**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT77X1A5**
		Dilution Factor: 1		Analysis Time..: 03:12	MDL.....: 2.0	

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET012

TOTAL Metals

Lot-Sample #...: D8H150212-002 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:10 **Date Received..:** 08/15/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	**0.046 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**08/18/08**	**KT79V1A2**
		Dilution Factor: 1		Analysis Time..: 22:46	MDL.....: 0.027	
Prep Batch #...: 8231167						
Silver	**1.5**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AL**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.020	
Arsenic	**2.8 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AM**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT79V1AN
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.15	
Cadmium	**0.53 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AP**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.040	
Chromium	**3.0 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AQ**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.88	
Copper	**37**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AR**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.20	
Molybdenum	**4.8**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AT**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.040	
Nickel	**3.1**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AU**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.28	
Lead	**2.0**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1A1**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.10	
Antimony	**0.40 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AV**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.060	
Selenium	**2.0 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1AW**
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KT79V1AX
		Dilution Factor: 1		Analysis Time..: 02:23	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET012

TOTAL Metals

Lot-Sample #...: D8H150212-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**87 J**	**10**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KT79V1A0**

Dilution Factor: 1 Analysis Time..: 02:23 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET012

DISSOLVED Metals

Lot-Sample #...: D8H150212-002 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:10 **Date Received..:** 08/15/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT79V1AJ
		Dilution Factor: 1		Analysis Time..: 22:15	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.70 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1A3**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.020	
Arsenic	**1.9 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1A4**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT79V1A5
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.15	
Cadmium	**0.050 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1A6**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.040	
Chromium	**2.9 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1A7**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.88	
Copper	**17**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1A8**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.20	
Molybdenum	**4.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1AA**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.040	
Nickel	**2.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1AC**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.28	
Lead	**0.66 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1AH**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.10	
Antimony	**0.35 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1AD**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT79V1AE
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT79V1AF
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 0.029	

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET012

DISSOLVED Metals

Lot-Sample #...: D8H150212-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**11**	**10**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT79V1AG**
		Dilution Factor: 1		Analysis Time..: 03:23	MDL.....: 2.0	

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN017

General Chemistry

Lot-Sample #...: D8H150212-003 **Work Order #...:** KT791 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:19 **Date Received..:** 08/15/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20 MDL.....: 0.0024

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN018

General Chemistry

Lot-Sample #...: D8H150212-004 **Work Order #...:** KT795 **Matrix.....:** WATER
Date Sampled...: 08/14/08 07:10 **Date Received..:** 08/15/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20 MDL.....: 0.0024

QC DATA ASSOCIATION SUMMARY

D8H150212

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8231167	8231091
	WATER	MCAWW 200.8		8232304	8232205
002	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8231167	8231091
	WATER	MCAWW 200.8		8232304	8232205
003	WATER	SM18 4500-CN E		8233389	8234081
004	WATER	SM18 4500-CN E		8233389	8234081

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-071 **Prep Batch #...:** 8231071						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFN1AA
		Dilution Factor: 1				
		Analysis Time..: 22:36				
MB Lot-Sample #: D8H180000-167 **Prep Batch #...:** 8231167						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AK
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AC
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AD
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AE
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Chromium	**1.9 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KVAM51AF**
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AG
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AP
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AH
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AJ
		Dilution Factor: 1				
		Analysis Time..: 01:45				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AL
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AA
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/18-08/22/08	KVAM51AM
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Zinc	**2.2 B**	**10**	**ug/L**	**MCAWW 200.8**	**08/18-08/22/08**	**KVAM51AN**
		Dilution Factor: 1				
		Analysis Time..: 01:45				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-076 **Prep Batch #...:** 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFX1AA
		Dilution Factor: 1				
		Analysis Time..: 22:09				
MB Lot-Sample #: D8H190000-304 **Prep Batch #...:** 8232304						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AK
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AC
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AD
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AE
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AF
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AG
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AP
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AH
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AJ
		Dilution Factor: 1				
		Analysis Time..: 02:49				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AL
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AA
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AM
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Zinc	ND	10	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AN
		Dilution Factor: 1				
		Analysis Time..: 02:49				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071					
Mercury	103	(90 - 110)	MCAWW 245.1	08/18/08	KVAFN1AC
		Dilution Factor: 1	Analysis Time..: 22:39		
LCS Lot-Sample#: D8H180000-167 **Prep Batch #...:** 8231167					
Silver	93	(90 - 114)	MCAWW 200.8	08/18-08/22/08	KVAM51AQ
		Dilution Factor: 1	Analysis Time..: 01:49		
Arsenic	100	(89 - 111)	MCAWW 200.8	08/18-08/22/08	KVAM51AR
		Dilution Factor: 1	Analysis Time..: 01:49		
Beryllium	99	(85 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AT
		Dilution Factor: 1	Analysis Time..: 01:49		
Cadmium	92	(89 - 111)	MCAWW 200.8	08/18-08/22/08	KVAM51AU
		Dilution Factor: 1	Analysis Time..: 01:49		
Chromium	101	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AV
		Dilution Factor: 1	Analysis Time..: 01:49		
Copper	99	(90 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51AW
		Dilution Factor: 1	Analysis Time..: 01:49		
Molybdenum	93	(89 - 112)	MCAWW 200.8	08/18-08/22/08	KVAM51AX
		Dilution Factor: 1	Analysis Time..: 01:49		
Nickel	97	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A0
		Dilution Factor: 1	Analysis Time..: 01:49		
Antimony	94	(85 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A1
		Dilution Factor: 1	Analysis Time..: 01:49		
Selenium	105	(85 - 114)	MCAWW 200.8	08/18-08/22/08	KVAM51A2
		Dilution Factor: 1	Analysis Time..: 01:49		
Thallium	92	(86 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A3
		Dilution Factor: 1	Analysis Time..: 01:49		
Zinc	101	(88 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A4
		Dilution Factor: 1	Analysis Time..: 01:49		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	08/18-08/22/08	KVAM51A5

Dilution Factor: 1 Analysis Time..: 01:49

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071							
Mercury	5.00	5.14	ug/L	103	MCAWW 245.1	08/18/08	KVAFN1AC
			Dilution Factor: 1		Analysis Time..: 22:39		
LCS Lot-Sample#: D8H180000-167 **Prep Batch #...:** 8231167							
Silver	40.0	37.2	ug/L	93	MCAWW 200.8	08/18-08/22/08	KVAM51AQ
			Dilution Factor: 1		Analysis Time..: 01:49		
Arsenic	40.0	40.0	ug/L	100	MCAWW 200.8	08/18-08/22/08	KVAM51AR
			Dilution Factor: 1		Analysis Time..: 01:49		
Beryllium	40.0	39.5	ug/L	99	MCAWW 200.8	08/18-08/22/08	KVAM51AT
			Dilution Factor: 1		Analysis Time..: 01:49		
Cadmium	40.0	36.7	ug/L	92	MCAWW 200.8	08/18-08/22/08	KVAM51AU
			Dilution Factor: 1		Analysis Time..: 01:49		
Chromium	40.0	40.6	ug/L	101	MCAWW 200.8	08/18-08/22/08	KVAM51AV
			Dilution Factor: 1		Analysis Time..: 01:49		
Copper	40.0	39.5	ug/L	99	MCAWW 200.8	08/18-08/22/08	KVAM51AW
			Dilution Factor: 1		Analysis Time..: 01:49		
Molybdenum	40.0	37.3	ug/L	93	MCAWW 200.8	08/18-08/22/08	KVAM51AX
			Dilution Factor: 1		Analysis Time..: 01:49		
Nickel	40.0	38.8	ug/L	97	MCAWW 200.8	08/18-08/22/08	KVAM51A0
			Dilution Factor: 1		Analysis Time..: 01:49		
Antimony	40.0	37.4	ug/L	94	MCAWW 200.8	08/18-08/22/08	KVAM51A1
			Dilution Factor: 1		Analysis Time..: 01:49		
Selenium	40.0	42.1	ug/L	105	MCAWW 200.8	08/18-08/22/08	KVAM51A2
			Dilution Factor: 1		Analysis Time..: 01:49		
Thallium	40.0	36.8	ug/L	92	MCAWW 200.8	08/18-08/22/08	KVAM51A3
			Dilution Factor: 1		Analysis Time..: 01:49		
Zinc	40.0	40.6	ug/L	101	MCAWW 200.8	08/18-08/22/08	KVAM51A4
			Dilution Factor: 1		Analysis Time..: 01:49		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.9	ug/L	95	MCAWW 200.8	08/18-08/22/08	KVAM51A5

Dilution Factor: 1 Analysis Time..: 01:49

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076					
Mercury	104	(90 - 110)	MCAWW 245.1	08/18/08	KVAFX1AC
		Dilution Factor: 1	Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304					
Silver	94	(90 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
		Dilution Factor: 1	Analysis Time..: 02:53		
Arsenic	96	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
		Dilution Factor: 1	Analysis Time..: 02:53		
Beryllium	102	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
		Dilution Factor: 1	Analysis Time..: 02:53		
Cadmium	95	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
		Dilution Factor: 1	Analysis Time..: 02:53		
Chromium	94	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
		Dilution Factor: 1	Analysis Time..: 02:53		
Copper	99	(90 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
		Dilution Factor: 1	Analysis Time..: 02:53		
Molybdenum	95	(89 - 112)	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
		Dilution Factor: 1	Analysis Time..: 02:53		
Nickel	97	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
		Dilution Factor: 1	Analysis Time..: 02:53		
Antimony	99	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
		Dilution Factor: 1	Analysis Time..: 02:53		
Selenium	98	(85 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
		Dilution Factor: 1	Analysis Time..: 02:53		
Thallium	96	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
		Dilution Factor: 1	Analysis Time..: 02:53		
Zinc	100	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
		Dilution Factor: 1	Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	97	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076							
Mercury	5.00	5.22	ug/L	104	MCAWW 245.1	08/18/08	KVAFX1AC
			Dilution Factor: 1		Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304							
Silver	40.0	37.8	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
			Dilution Factor: 1		Analysis Time..: 02:53		
Arsenic	40.0	38.6	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
			Dilution Factor: 1		Analysis Time..: 02:53		
Beryllium	40.0	40.8	ug/L	102	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
			Dilution Factor: 1		Analysis Time..: 02:53		
Cadmium	40.0	38.2	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
			Dilution Factor: 1		Analysis Time..: 02:53		
Chromium	40.0	37.6	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
			Dilution Factor: 1		Analysis Time..: 02:53		
Copper	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
			Dilution Factor: 1		Analysis Time..: 02:53		
Molybdenum	40.0	38.1	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
			Dilution Factor: 1		Analysis Time..: 02:53		
Nickel	40.0	38.8	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
			Dilution Factor: 1		Analysis Time..: 02:53		
Antimony	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
			Dilution Factor: 1		Analysis Time..: 02:53		
Selenium	40.0	39.4	ug/L	98	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
			Dilution Factor: 1		Analysis Time..: 02:53		
Thallium	40.0	38.3	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
			Dilution Factor: 1		Analysis Time..: 02:53		
Zinc	40.0	40.2	ug/L	100	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
			Dilution Factor: 1		Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	38.7	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071							
Mercury	96	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1A9
	95	(90 - 110)	1.5	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CA
		Dilution Factor: 1					
		Analysis Time..: 22:50					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071									
Mercury									
	0.11	5.00	4.92	ug/L	96		MCAWW 245.1	08/18/08	KT6TM1A9
	0.11	5.00	4.85	ug/L	95	1.5	MCAWW 245.1	08/18/08	KT6TM1CA

Dilution Factor: 1
Analysis Time..: 22:50

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-012 **Prep Batch #...:** 8231167							
Antimony	95	(80 - 117)			MCAWW 200.8	08/18-08/22/08	KT6TN1CT
	98	(80 - 117)	2.5	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CU
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Arsenic	100	(79 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1CC
	104	(79 - 120)	3.6	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CD
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Beryllium	106	(76 - 126)			MCAWW 200.8	08/18-08/22/08	KT6TN1CE
	107	(76 - 126)	1.1	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CF
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Cadmium	96	(82 - 115)			MCAWW 200.8	08/18-08/22/08	KT6TN1CG
	99	(82 - 115)	3.3	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CH
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Chromium	91	(80 - 124)			MCAWW 200.8	08/18-08/22/08	KT6TN1CJ
	99	(80 - 124)	7.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CK
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Copper	94	(82 - 114)			MCAWW 200.8	08/18-08/22/08	KT6TN1CL
	102	(82 - 114)	4.5	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CM
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Lead	96	(79 - 119)			MCAWW 200.8	08/18-08/22/08	KT6TN1C3
	99	(79 - 119)	3.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C4
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Molybdenum	93	(87 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1CN
	97	(87 - 120)	3.3	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CP
		Dilution Factor: 1					
		Analysis Time..: 02:34					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	95	(76 - 119)			MCAWW 200.8	08/18-08/22/08	KT6TN1CQ
	98	(76 - 119)	3.0	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1CR
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Selenium	78	(64 - 134)			MCAWW 200.8	08/18-08/22/08	KT6TN1CV
	88	(64 - 134)	11	(0-35)	MCAWW 200.8	08/18-08/22/08	KT6TN1CW
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Silver	90	(20 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1A9
	93	(20 - 120)	3.1	(0-40)	MCAWW 200.8	08/18-08/22/08	KT6TN1CA
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Thallium	96	(77 - 124)			MCAWW 200.8	08/18-08/22/08	KT6TN1CX
	99	(77 - 124)	3.4	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C0
		Dilution Factor: 1					
		Analysis Time..: 02:34					
Zinc	87	(72 - 120)			MCAWW 200.8	08/18-08/22/08	KT6TN1C1
	101	(72 - 120)	3.7	(0-30)	MCAWW 200.8	08/18-08/22/08	KT6TN1C2
		Dilution Factor: 1					
		Analysis Time..: 02:34					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

MS Lot-Sample #: D8H140359-012 **Prep Batch #...:** 8231167

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	0.47	40.0	38.6	ug/L	95		MCAWW 200.8	08/18-08/22/08	KT6TN1CT
	0.47	40.0	39.6	ug/L	98	2.5	MCAWW 200.8	08/18-08/22/08	KT6TN1CU
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Arsenic									
	2.2	40.0	42.1	ug/L	100		MCAWW 200.8	08/18-08/22/08	KT6TN1CC
	2.2	40.0	43.6	ug/L	104	3.6	MCAWW 200.8	08/18-08/22/08	KT6TN1CD
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Beryllium									
	ND	40.0	42.5	ug/L	106		MCAWW 200.8	08/18-08/22/08	KT6TN1CE
	ND	40.0	43.0	ug/L	107	1.1	MCAWW 200.8	08/18-08/22/08	KT6TN1CF
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Cadmium									
	0.60	40.0	38.8	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1CG
	0.60	40.0	40.1	ug/L	99	3.3	MCAWW 200.8	08/18-08/22/08	KT6TN1CH
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Chromium									
	2.2	40.0	38.8	ug/L	91		MCAWW 200.8	08/18-08/22/08	KT6TN1CJ
	2.2	40.0	41.8	ug/L	99	7.4	MCAWW 200.8	08/18-08/22/08	KT6TN1CK
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Copper									
	37	40.0	74.3	ug/L	94		MCAWW 200.8	08/18-08/22/08	KT6TN1CL
	37	40.0	77.7	ug/L	102	4.5	MCAWW 200.8	08/18-08/22/08	KT6TN1CM
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Lead									
	2.3	40.0	40.6	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1C3
	2.3	40.0	42.1	ug/L	99	3.4	MCAWW 200.8	08/18-08/22/08	KT6TN1C4
			Dilution Factor: 1						
			Analysis Time..: 02:34						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	4.5	40.0	41.7	ug/L	93		MCAWW 200.8	08/18-08/22/08	KT6TN1CN
	4.5	40.0	43.2	ug/L	97	3.3	MCAWW 200.8	08/18-08/22/08	KT6TN1CP
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Nickel									
	3.2	40.0	41.1	ug/L	95		MCAWW 200.8	08/18-08/22/08	KT6TN1CQ
	3.2	40.0	42.4	ug/L	98	3.0	MCAWW 200.8	08/18-08/22/08	KT6TN1CR
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Selenium									
	ND	40.0	31.3	ug/L	78		MCAWW 200.8	08/18-08/22/08	KT6TN1CV
	ND	40.0	35.1	ug/L	88	11	MCAWW 200.8	08/18-08/22/08	KT6TN1CW
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Silver									
	1.4	40.0	37.2	ug/L	90		MCAWW 200.8	08/18-08/22/08	KT6TN1A9
	1.4	40.0	38.4	ug/L	93	3.1	MCAWW 200.8	08/18-08/22/08	KT6TN1CA
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Thallium									
	ND	40.0	38.3	ug/L	96		MCAWW 200.8	08/18-08/22/08	KT6TN1CX
	ND	40.0	39.6	ug/L	99	3.4	MCAWW 200.8	08/18-08/22/08	KT6TN1C0
			Dilution Factor: 1						
			Analysis Time..: 02:34						
Zinc									
	110	40.0	148	ug/L	87		MCAWW 200.8	08/18-08/22/08	KT6TN1C1
	110	40.0	154	ug/L	101	3.7	MCAWW 200.8	08/18-08/22/08	KT6TN1C2
			Dilution Factor: 1						
			Analysis Time..: 02:34						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076							
Mercury	97	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1CC
	100	(90 - 110)	2.9	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CD

Dilution Factor: 1
Analysis Time..: 22:20

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076									
Mercury									
	ND	5.00	4.84	ug/L	97		MCAWW 245.1	08/18/08	KT6TM1CC
	ND	5.00	4.99	ug/L	100	2.9	MCAWW 245.1	08/18/08	KT6TM1CD

Dilution Factor: 1
Analysis Time..: 22:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304							
Antimony	103	(80 - 117)			MCAWW 200.8	08/20-08/22/08	KT96V1CT
	105	(80 - 117)	2.1	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CU
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Arsenic	110	(79 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CC
	105	(79 - 120)	4.3	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CD
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Beryllium	112	(76 - 126)			MCAWW 200.8	08/20-08/22/08	KT96V1CE
	107	(76 - 126)	4.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CF
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Cadmium	99	(82 - 115)			MCAWW 200.8	08/20-08/22/08	KT96V1CG
	96	(82 - 115)	3.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CH
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Chromium	98	(80 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	95	(80 - 124)	2.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CK
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Copper	106	(82 - 114)			MCAWW 200.8	08/20-08/22/08	KT96V1CL
	95	(82 - 114)	7.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CM
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Lead	106	(79 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1C3
	96	(79 - 119)	9.0	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C4
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Molybdenum	99	(87 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CN
	97	(87 - 120)	1.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CP
		Dilution Factor: 1					
		Analysis Time..: 03:35					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	99	(76 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	95	(76 - 119)	4.2	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CR
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Selenium	105	(64 - 134)			MCAWW 200.8	08/20-08/22/08	KT96V1CV
	98	(64 - 134)	7.8	(0-35)	MCAWW 200.8	08/20-08/22/08	KT96V1CW
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Silver	97	(20 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1A9
	93	(20 - 120)	4.0	(0-40)	MCAWW 200.8	08/20-08/22/08	KT96V1CA
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Thallium	105	(77 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CX
	96	(77 - 124)	8.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C0
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Zinc	104	(72 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1C1
	97	(72 - 120)	4.7	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C2
		Dilution Factor: 1					
		Analysis Time..: 03:35					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304									
Antimony									
	0.43	40.0	41.5	ug/L	103		MCAWW 200.8	08/20-08/22/08	KT96V1CT
	0.43	40.0	42.4	ug/L	105	2.1	MCAWW 200.8	08/20-08/22/08	KT96V1CU
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Arsenic									
	1.3	40.0	45.1	ug/L	110		MCAWW 200.8	08/20-08/22/08	KT96V1CC
	1.3	40.0	43.2	ug/L	105	4.3	MCAWW 200.8	08/20-08/22/08	KT96V1CD
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Beryllium									
	ND	40.0	44.7	ug/L	112		MCAWW 200.8	08/20-08/22/08	KT96V1CE
	ND	40.0	42.8	ug/L	107	4.4	MCAWW 200.8	08/20-08/22/08	KT96V1CF
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Cadmium									
	0.041	40.0	39.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CG
	0.041	40.0	38.3	ug/L	96	3.9	MCAWW 200.8	08/20-08/22/08	KT96V1CH
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Chromium									
	2.3	40.0	41.6	ug/L	98		MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	2.3	40.0	40.4	ug/L	95	2.9	MCAWW 200.8	08/20-08/22/08	KT96V1CK
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Copper									
	20	40.0	62.5	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1CL
	20	40.0	58.1	ug/L	95	7.4	MCAWW 200.8	08/20-08/22/08	KT96V1CM
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Lead									
	0.67	40.0	42.9	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1C3
	0.67	40.0	39.2	ug/L	96	9.0	MCAWW 200.8	08/20-08/22/08	KT96V1C4
			Dilution Factor: 1						
			Analysis Time..: 03:35						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	10	40.0	49.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CN
	10	40.0	49.0	ug/L	97	1.6	MCAWW 200.8	08/20-08/22/08	KT96V1CP
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Nickel									
	3.0	40.0	42.7	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	3.0	40.0	40.9	ug/L	95	4.2	MCAWW 200.8	08/20-08/22/08	KT96V1CR
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Selenium									
	ND	40.0	42.2	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CV
	ND	40.0	39.0	ug/L	98	7.8	MCAWW 200.8	08/20-08/22/08	KT96V1CW
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Silver									
	0.83	40.0	39.7	ug/L	97		MCAWW 200.8	08/20-08/22/08	KT96V1A9
	0.83	40.0	38.1	ug/L	93	4.0	MCAWW 200.8	08/20-08/22/08	KT96V1CA
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Thallium									
	ND	40.0	42.0	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CX
	ND	40.0	38.6	ug/L	96	8.6	MCAWW 200.8	08/20-08/22/08	KT96V1C0
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Zinc									
	14	40.0	55.2	ug/L	104		MCAWW 200.8	08/20-08/22/08	KT96V1C1
	14	40.0	52.7	ug/L	97	4.7	MCAWW 200.8	08/20-08/22/08	KT96V1C2
			Dilution Factor: 1						
			Analysis Time..: 03:35						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8H150212 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KVHMN1AA		MB Lot-Sample #:	D8H200000-389	
	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1				
		Analysis Time..: 13:20				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8H150212 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD				LCS Lot-Sample#: D8H200000-389	
	107	(90 - 110)			SM18 4500-CN E	08/20/08	8233389
	107	(90 - 110)	0.18	(0-10)	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8H150212 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD				LCS Lot-Sample#: D8H200000-389		
	0.100	0.107	mg/L	107		SM18 4500-CN E	08/20/08	8233389
	0.100	0.107	mg/L	107	0.18	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:	KVDXQ1AQ-MS/KVDXQ1AR-MSD			MS Lot-Sample #:	D8H190185-001
	94	(90 - 110)			SM18 4500-CN E	08/20/08	8233388
	92	(90 - 110)	1.9	(0-10)	SM18 4500-CN E	08/20/08	8233388

Dilution Factor: 1
Analysis Time..: 13:20

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8H150212 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KVDXQ1AQ-MS/KVDXQ1AR-MSD				MS Lot-Sample #: D8H190185-001		
	ND	0.100	0.0940	mg/L	94		SM18 4500-CN	08/20/08	8233388
	ND	0.100	0.0922	mg/L	92	1.9	SM18 4500-CN	08/20/08	8233388
			Dilution Factor: 1						
			Analysis Time..: 13:20						

NOTE(S):

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

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica Inc. 4955 Yarrow St. Arvada, CO 8002 Attn: Danielle Fougere (303) 736-0176	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total and Dissolved Metals: (By EPA 200.8/245.1) Ag, As, Be, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Tl, Zn, Hg

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08MET011	Influent	1	8/14/8	0719		
MOA08MET012	Effluent	1	8/14/8	0710		

Please split samples for separate total and dissolved metals analysis.
Please filter and then preserve samples with HNO_3 upon receipt at laboratory.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	8/14/8 0855	[illegible]	[illegible]	8/14/08 0855
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	8/14/08 1030	FEDEX	[illegible]	8/15/8 830
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

5.8°
8-15-08

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 Attn: Danielle Fougere (303) 736-0176	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total Cyanide (SM 4500-CN E Mod)

MATRIX: Water	**Preservative:** NaOH, 4°C Effluent samples contain L- Ascorbic Acid	**Type of Container:** 500 ml HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08TCN017	Influent	1	8/14/8	0719		
MOA08TCN018	Effluent	1	8/14/8	0710		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	8/14/8 0855			8/14/08 0855
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
	8/14/08 1030	FEDEX		8/15/8 0830
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8H160204

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

September 2, 2008

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Table of Contents

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- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Chain-of-Custody**

CASE NARRATIVE
D8H160204

The following report contains the analytical results for four samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received August 16, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 4.8°C.

No anomalies were observed.

Total Metals – Method 200.8/245.1

Low levels of Chromium are present in the method blank associated with QC batch 8234354. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

MS/MSD analyses were performed on sample MOA08MET013. The MS/MSD for method 200.8 exhibited spike recoveries outside the QC limits for Selenium. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Percent recoveries and RPD data could not be calculated for the Zinc MS/MSD performed on sample MOA08MET013, due to the sample concentration reading greater than four times the spike amount

No other anomalies were observed.

Dissolved Metals – Method 200.8/245.1
No anomalies were observed.

General Chemistry – Total Cyanide
No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8H160204

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET013 08/15/08 07:22 001				
Silver - DISSOLVED	0.51 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	0.70 B	5.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.040 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	2.1 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	14	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	4.2	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	2.7	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.37 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.35 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	19	10	ug/L	MCAWW 200.8
Mercury	0.096 B	0.20	ug/L	MCAWW 245.1
Silver	2.3	1.0	ug/L	MCAWW 200.8
Arsenic	2.6 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.35 B	1.0	ug/L	MCAWW 200.8
Chromium	4.5 J	3.0	ug/L	MCAWW 200.8
Copper	71	2.0	ug/L	MCAWW 200.8
Molybdenum	12	2.0	ug/L	MCAWW 200.8
Nickel	4.7	2.0	ug/L	MCAWW 200.8
Lead	4.2	1.0	ug/L	MCAWW 200.8
Antimony	0.86 B	2.0	ug/L	MCAWW 200.8
Selenium	1.6 B	5.0	ug/L	MCAWW 200.8
Zinc	170	10	ug/L	MCAWW 200.8
MOA08MET014 08/15/08 07:17 002				
Silver - DISSOLVED	0.83 B	1.0	ug/L	MCAWW 200.8
Arsenic - DISSOLVED	1.3 B	5.0	ug/L	MCAWW 200.8
Cadmium - DISSOLVED	0.041 B	1.0	ug/L	MCAWW 200.8
Chromium - DISSOLVED	2.3 B	3.0	ug/L	MCAWW 200.8
Copper - DISSOLVED	20	2.0	ug/L	MCAWW 200.8
Molybdenum - DISSOLVED	10	2.0	ug/L	MCAWW 200.8
Nickel - DISSOLVED	3.0	2.0	ug/L	MCAWW 200.8
Lead - DISSOLVED	0.67 B	1.0	ug/L	MCAWW 200.8
Antimony - DISSOLVED	0.43 B	2.0	ug/L	MCAWW 200.8
Zinc - DISSOLVED	14	10	ug/L	MCAWW 200.8
Mercury	0.076 B	0.20	ug/L	MCAWW 245.1
Silver	1.7	1.0	ug/L	MCAWW 200.8
Arsenic	1.9 B	5.0	ug/L	MCAWW 200.8
Cadmium	0.22 B	1.0	ug/L	MCAWW 200.8
Chromium	2.5 B,J	3.0	ug/L	MCAWW 200.8
Copper	41	2.0	ug/L	MCAWW 200.8
Molybdenum	11	2.0	ug/L	MCAWW 200.8
Nickel	2.8	2.0	ug/L	MCAWW 200.8

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D8H160204

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08MET014 08/15/08 07:17 002				
Lead	1.8	1.0	ug/L	MCAWW 200.8
Antimony	0.56 B	2.0	ug/L	MCAWW 200.8
Zinc	79	10	ug/L	MCAWW 200.8
MOA08TCN020 08/15/08 07:17 004				
Total Cyanide	0.0027 B	0.010	mg/L	SM18 4500-CN E

METHODS SUMMARY

D8H160204

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
ICP-Mass Spectrometry ICP-Mass SPectrometry	MCAWW 200.8	MCAWW 200.8
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1
Total cyanide	SM18 4500-CN E	SM18 4500-CN E

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

D8H160204

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 200.8	Luis Diaz	004729
MCAWW 200.8	Thomas Lill	006929
MCAWW 200.8	Yong-ming Ding	11576
MCAWW 245.1	Christopher Grisdale	9582
SM18 4500-CN E	Eva Jonska-Muteba	004988

References:

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

SAMPLE SUMMARY

D8H160204

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KT96T	001	MOA08MET013	08/15/08	07:22
KT96V	002	MOA08MET014	08/15/08	07:17
KT96W	003	MOA08TCN019	08/15/08	07:22
KT96X	004	MOA08TCN020	08/15/08	07:17

NOTE(S):

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET013

TOTAL Metals

Lot-Sample #...: D8H160204-001 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	**0.096 B**	**0.20**	**ug/L**	**MCAWW 245.1**	**08/18/08**	**KT96T1AQ**
		Dilution Factor: 1		Analysis Time..: 22:57	MDL.....: 0.027	
Prep Batch #...: 8234354						
Silver	**2.3**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AA**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.020	
Arsenic	**2.6 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AC**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96T1AD
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.15	
Cadmium	**0.35 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AE**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.040	
Chromium	**4.5 J**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/27/08**	**KT96T1AF**
		Dilution Factor: 1		Analysis Time..: 23:34	MDL.....: 0.88	
Copper	**71**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AG**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.20	
Molybdenum	**12**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AH**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.040	
Nickel	**4.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AJ**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.28	
Lead	**4.2**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AP**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.10	
Antimony	**0.86 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AK**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.060	
Selenium	**1.6 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AL**
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96T1AM
		Dilution Factor: 1		Analysis Time..: 00:23	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET013

TOTAL Metals

Lot-Sample #...: D8H160204-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**170**	**10**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96T1AN**

Dilution Factor: 1 Analysis Time..: 00:23 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET013

DISSOLVED Metals

Lot-Sample #...: D8H160204-001 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT96T1A7
		Dilution Factor: 1		Analysis Time..: 22:27	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.51 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1AR**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.020	
Arsenic	**0.70 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1AT**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96T1AU
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.15	
Cadmium	**0.040 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1AV**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.040	
Chromium	**2.1 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1AW**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.88	
Copper	**14**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1AX**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.20	
Molybdenum	**4.2**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1A0**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.040	
Nickel	**2.7**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1A1**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.28	
Lead	**0.37 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1A6**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.10	
Antimony	**0.35 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1A2**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96T1A3
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96T1A4
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET013

DISSOLVED Metals

Lot-Sample #...: D8H160204-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**19**	**10**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96T1A5**
		Dilution Factor: 1		Analysis Time..: 03:27	MDL.....: 2.0	

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET014

TOTAL Metals

Lot-Sample #...: D8H160204-002 Matrix.....: WATER
Date Sampled...: 08/15/08 07:17 Date Received..: 08/16/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231071						
Mercury	0.076 B	0.20	ug/L	MCAWW 245.1	08/18/08	KT96V1AQ
		Dilution Factor: 1		Analysis Time..: 23:04	MDL.....: 0.027	
Prep Batch #...: 8234354						
Silver	1.7	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AA
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.020	
Arsenic	1.9 B	5.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AC
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AD
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.15	
Cadmium	0.22 B	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AE
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.040	
Chromium	2.5 B,J	3.0	ug/L	MCAWW 200.8	08/22-08/27/08	KT96V1AF
		Dilution Factor: 1		Analysis Time..: 23:45	MDL.....: 0.88	
Copper	41	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AG
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.20	
Molybdenum	11	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AH
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.040	
Nickel	2.8	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AJ
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.28	
Lead	1.8	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AP
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.10	
Antimony	0.56 B	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AK
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AL
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KT96V1AM
		Dilution Factor: 1		Analysis Time..: 00:42	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET014

TOTAL Metals

Lot-Sample #...: D8H160204-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**79**	**10**	**ug/L**	**MCAWW 200.8**	**08/22-08/26/08**	**KT96V1AN**

Dilution Factor: 1 Analysis Time..: 00:42 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

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

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET014

DISSOLVED Metals

Lot-Sample #...: D8H160204-002
Date Sampled...: 08/15/08 07:17 Date Received..: 08/16/08

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KT96V1A7
		Dilution Factor: 1		Analysis Time..: 22:29	MDL.....: 0.027	
Prep Batch #...: 8232304						
Silver	**0.83 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1AR**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.020	
Arsenic	**1.3 B**	**5.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1AT**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.50	
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96V1AU
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.15	
Cadmium	**0.041 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1AV**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.040	
Chromium	**2.3 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1AW**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.88	
Copper	**20**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1AX**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.20	
Molybdenum	**10**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1A0**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.040	
Nickel	**3.0**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1A1**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.28	
Lead	**0.67 B**	**1.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1A6**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.10	
Antimony	**0.43 B**	**2.0**	**ug/L**	**MCAWW 200.8**	**08/20-08/22/08**	**KT96V1A2**
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.060	
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96V1A3
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 1.0	
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KT96V1A4
		Dilution Factor: 1		Analysis Time..: 03:31	MDL.....: 0.029	

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Kinnetics Laboratories, Inc.

Client Sample ID: MOA08MET014

DISSOLVED Metals

Lot-Sample #...: D8H160204-002

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	14	10	ug/L	MCAWW 200.8	08/20-08/22/08	KT96V1A5

Dilution Factor: 1 Analysis Time..: 03:31 MDL.....: 2.0

NOTE(S):

B Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN019

General Chemistry

Lot-Sample #...: D8H160204-003 **Work Order #...:** KT96W **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20 MDL.....: 0.0024

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08TCN020

General Chemistry

Lot-Sample #...: D8H160204-004 **Work Order #...:** KT96X **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	**0.0027 B**	**0.010**	**mg/L**	**SM18 4500-CN E**	**08/20/08**	**8233389**

Dilution Factor: 1 Analysis Time..: 13:20 MDL.....: 0.0024

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

D8H160204

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8232304	8232205
	WATER	MCAWW 200.8		8234354	8234236
002	WATER	MCAWW 245.1		8231071	8231044
	WATER	MCAWW 245.1		8231076	8231048
	WATER	MCAWW 200.8		8232304	8232205
	WATER	MCAWW 200.8		8234354	8234236
003	WATER	SM18 4500-CN E		8233389	8234081
004	WATER	SM18 4500-CN E		8233389	8234081

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-071 **Prep Batch #...:** 8231071						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFN1AA
		Dilution Factor: 1				
		Analysis Time..: 22:36				
MB Lot-Sample #: D8H210000-354 **Prep Batch #...:** 8234354						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AK
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AC
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AD
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AE
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Chromium	**1.2 B**	**3.0**	**ug/L**	**MCAWW 200.8**	**08/22-08/27/08**	**KVJT91AF**
		Dilution Factor: 1				
		Analysis Time..: 23:26				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AG
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AP
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AH
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AJ
		Dilution Factor: 1				
		Analysis Time..: 00:12				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AL
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AA
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AM
		Dilution Factor: 1				
		Analysis Time..: 00:12				
Zinc	ND	10	ug/L	MCAWW 200.8	08/22-08/26/08	KVJT91AN
		Dilution Factor: 1				
		Analysis Time..: 00:12				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8H180000-076 **Prep Batch #...:** 8231076						
Mercury	ND	0.20	ug/L	MCAWW 245.1	08/18/08	KVAFX1AA
		Dilution Factor: 1				
		Analysis Time..: 22:09				
MB Lot-Sample #: D8H190000-304 **Prep Batch #...:** 8232304						
Antimony	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AK
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Arsenic	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AC
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Beryllium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AD
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Cadmium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AE
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Chromium	ND	3.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AF
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Copper	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AG
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Lead	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AP
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Molybdenum	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AH
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Nickel	ND	2.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AJ
		Dilution Factor: 1				
		Analysis Time..: 02:49				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AL
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Silver	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AA
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Thallium	ND	1.0	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AM
		Dilution Factor: 1				
		Analysis Time..: 02:49				
Zinc	ND	10	ug/L	MCAWW 200.8	08/20-08/22/08	KVD1E1AN
		Dilution Factor: 1				
		Analysis Time..: 02:49				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071					
Mercury	103	(90 - 110)	MCAWW 245.1	08/18/08	KVAFN1AC
		Dilution Factor: 1	Analysis Time..: 22:39		
LCS Lot-Sample#: D8H210000-354 **Prep Batch #...:** 8234354					
Silver	97	(90 - 114)	MCAWW 200.8	08/22-08/26/08	KVJT91AQ
		Dilution Factor: 1	Analysis Time..: 00:15		
Arsenic	97	(89 - 111)	MCAWW 200.8	08/22-08/26/08	KVJT91AR
		Dilution Factor: 1	Analysis Time..: 00:15		
Beryllium	98	(85 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91AT
		Dilution Factor: 1	Analysis Time..: 00:15		
Cadmium	98	(89 - 111)	MCAWW 200.8	08/22-08/26/08	KVJT91AU
		Dilution Factor: 1	Analysis Time..: 00:15		
Chromium	101	(86 - 115)	MCAWW 200.8	08/22-08/27/08	KVJT91AV
		Dilution Factor: 1	Analysis Time..: 23:30		
Copper	95	(90 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91AW
		Dilution Factor: 1	Analysis Time..: 00:15		
Molybdenum	96	(89 - 112)	MCAWW 200.8	08/22-08/26/08	KVJT91AX
		Dilution Factor: 1	Analysis Time..: 00:15		
Nickel	96	(86 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91A0
		Dilution Factor: 1	Analysis Time..: 00:15		
Antimony	100	(85 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91A1
		Dilution Factor: 1	Analysis Time..: 00:15		
Selenium	102	(85 - 114)	MCAWW 200.8	08/22-08/26/08	KVJT91A2
		Dilution Factor: 1	Analysis Time..: 00:15		
Thallium	94	(86 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91A3
		Dilution Factor: 1	Analysis Time..: 00:15		
Zinc	101	(88 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91A4
		Dilution Factor: 1	Analysis Time..: 00:15		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	95	(88 - 115)	MCAWW 200.8	08/22-08/26/08	KVJT91A5

Dilution Factor: 1 Analysis Time..: 00:15

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-071 **Prep Batch #...:** 8231071							
Mercury	5.00	5.14	ug/L	103	MCAWW 245.1	08/18/08	KVAFN1AC
			Dilution Factor: 1		Analysis Time..: 22:39		
LCS Lot-Sample#: D8H210000-354 **Prep Batch #...:** 8234354							
Silver	40.0	38.7	ug/L	97	MCAWW 200.8	08/22-08/26/08	KVJT91AQ
			Dilution Factor: 1		Analysis Time..: 00:15		
Arsenic	40.0	38.8	ug/L	97	MCAWW 200.8	08/22-08/26/08	KVJT91AR
			Dilution Factor: 1		Analysis Time..: 00:15		
Beryllium	40.0	39.2	ug/L	98	MCAWW 200.8	08/22-08/26/08	KVJT91AT
			Dilution Factor: 1		Analysis Time..: 00:15		
Cadmium	40.0	39.3	ug/L	98	MCAWW 200.8	08/22-08/26/08	KVJT91AU
			Dilution Factor: 1		Analysis Time..: 00:15		
Chromium	40.0	40.4	ug/L	101	MCAWW 200.8	08/22-08/27/08	KVJT91AV
			Dilution Factor: 1		Analysis Time..: 23:30		
Copper	40.0	38.2	ug/L	95	MCAWW 200.8	08/22-08/26/08	KVJT91AW
			Dilution Factor: 1		Analysis Time..: 00:15		
Molybdenum	40.0	38.6	ug/L	96	MCAWW 200.8	08/22-08/26/08	KVJT91AX
			Dilution Factor: 1		Analysis Time..: 00:15		
Nickel	40.0	38.4	ug/L	96	MCAWW 200.8	08/22-08/26/08	KVJT91A0
			Dilution Factor: 1		Analysis Time..: 00:15		
Antimony	40.0	40.1	ug/L	100	MCAWW 200.8	08/22-08/26/08	KVJT91A1
			Dilution Factor: 1		Analysis Time..: 00:15		
Selenium	40.0	40.7	ug/L	102	MCAWW 200.8	08/22-08/26/08	KVJT91A2
			Dilution Factor: 1		Analysis Time..: 00:15		
Thallium	40.0	37.6	ug/L	94	MCAWW 200.8	08/22-08/26/08	KVJT91A3
			Dilution Factor: 1		Analysis Time..: 00:15		
Zinc	40.0	40.6	ug/L	101	MCAWW 200.8	08/22-08/26/08	KVJT91A4
			Dilution Factor: 1		Analysis Time..: 00:15		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	37.9	ug/L	95	MCAWW 200.8	08/22-08/26/08	KVJT91A5

Dilution Factor: 1 Analysis Time..: 00:15

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076					
Mercury	104	(90 - 110)	MCAWW 245.1	08/18/08	KVAFX1AC
		Dilution Factor: 1	Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304					
Silver	94	(90 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
		Dilution Factor: 1	Analysis Time..: 02:53		
Arsenic	96	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
		Dilution Factor: 1	Analysis Time..: 02:53		
Beryllium	102	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
		Dilution Factor: 1	Analysis Time..: 02:53		
Cadmium	95	(89 - 111)	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
		Dilution Factor: 1	Analysis Time..: 02:53		
Chromium	94	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
		Dilution Factor: 1	Analysis Time..: 02:53		
Copper	99	(90 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
		Dilution Factor: 1	Analysis Time..: 02:53		
Molybdenum	95	(89 - 112)	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
		Dilution Factor: 1	Analysis Time..: 02:53		
Nickel	97	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
		Dilution Factor: 1	Analysis Time..: 02:53		
Antimony	99	(85 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
		Dilution Factor: 1	Analysis Time..: 02:53		
Selenium	98	(85 - 114)	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
		Dilution Factor: 1	Analysis Time..: 02:53		
Thallium	96	(86 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
		Dilution Factor: 1	Analysis Time..: 02:53		
Zinc	100	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
		Dilution Factor: 1	Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	97	(88 - 115)	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8H180000-076 **Prep Batch #...:** 8231076							
Mercury	5.00	5.22	ug/L	104	MCAWW 245.1	08/18/08	KVAFX1AC
			Dilution Factor: 1		Analysis Time..: 22:11		
LCS Lot-Sample#: D8H190000-304 **Prep Batch #...:** 8232304							
Silver	40.0	37.8	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AQ
			Dilution Factor: 1		Analysis Time..: 02:53		
Arsenic	40.0	38.6	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1AR
			Dilution Factor: 1		Analysis Time..: 02:53		
Beryllium	40.0	40.8	ug/L	102	MCAWW 200.8	08/20-08/22/08	KVD1E1AT
			Dilution Factor: 1		Analysis Time..: 02:53		
Cadmium	40.0	38.2	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AU
			Dilution Factor: 1		Analysis Time..: 02:53		
Chromium	40.0	37.6	ug/L	94	MCAWW 200.8	08/20-08/22/08	KVD1E1AV
			Dilution Factor: 1		Analysis Time..: 02:53		
Copper	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1AW
			Dilution Factor: 1		Analysis Time..: 02:53		
Molybdenum	40.0	38.1	ug/L	95	MCAWW 200.8	08/20-08/22/08	KVD1E1AX
			Dilution Factor: 1		Analysis Time..: 02:53		
Nickel	40.0	38.8	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A0
			Dilution Factor: 1		Analysis Time..: 02:53		
Antimony	40.0	39.6	ug/L	99	MCAWW 200.8	08/20-08/22/08	KVD1E1A1
			Dilution Factor: 1		Analysis Time..: 02:53		
Selenium	40.0	39.4	ug/L	98	MCAWW 200.8	08/20-08/22/08	KVD1E1A2
			Dilution Factor: 1		Analysis Time..: 02:53		
Thallium	40.0	38.3	ug/L	96	MCAWW 200.8	08/20-08/22/08	KVD1E1A3
			Dilution Factor: 1		Analysis Time..: 02:53		
Zinc	40.0	40.2	ug/L	100	MCAWW 200.8	08/20-08/22/08	KVD1E1A4
			Dilution Factor: 1		Analysis Time..: 02:53		

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	40.0	38.7	ug/L	97	MCAWW 200.8	08/20-08/22/08	KVD1E1A5

Dilution Factor: 1 Analysis Time..: 02:53

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071							
Mercury	96	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1A9
	95	(90 - 110)	1.5	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CA
		Dilution Factor: 1					
		Analysis Time..: 22:50					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231071									
Mercury									
	0.11	5.00	4.92	ug/L	96		MCAWW 245.1	08/18/08	KT6TM1A9
	0.11	5.00	4.85	ug/L	95	1.5	MCAWW 245.1	08/18/08	KT6TM1CA

Dilution Factor: 1
Analysis Time..: 22:50

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-001 **Prep Batch #...:** 8234354							
Antimony	99	(80 - 117)			MCAWW 200.8	08/22-08/26/08	KT96T1CT
	99	(80 - 117)	0.13	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CU
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Arsenic	97	(79 - 120)			MCAWW 200.8	08/22-08/26/08	KT96T1CC
	101	(79 - 120)	4.0	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CD
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Beryllium	102	(76 - 126)			MCAWW 200.8	08/22-08/26/08	KT96T1CE
	101	(76 - 126)	1.2	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CF
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Cadmium	101	(82 - 115)			MCAWW 200.8	08/22-08/26/08	KT96T1CG
	101	(82 - 115)	0.05	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CH
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Chromium	95	(80 - 124)			MCAWW 200.8	08/22-08/27/08	KT96T1CJ
	94	(80 - 124)	1.6	(0-30)	MCAWW 200.8	08/22-08/27/08	KT96T1CK
		Dilution Factor: 1					
		Analysis Time..: 23:38					
Copper	84	(82 - 114)			MCAWW 200.8	08/22-08/26/08	KT96T1CL
	88	(82 - 114)	1.4	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CM
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Lead	97	(79 - 119)			MCAWW 200.8	08/22-08/26/08	KT96T1C3
	97	(79 - 119)	0.12	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1C4
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Molybdenum	99	(87 - 120)			MCAWW 200.8	08/22-08/26/08	KT96T1CN
	101	(87 - 120)	1.4	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CP
		Dilution Factor: 1					
		Analysis Time..: 00:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	95	(76 - 119)			MCAWW 200.8	08/22-08/26/08	KT96T1CQ
	96	(76 - 119)	1.6	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1CR
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Selenium	56 N	(64 - 134)			MCAWW 200.8	08/22-08/26/08	KT96T1CV
	61 N	(64 - 134)	8.3	(0-35)	MCAWW 200.8	08/22-08/26/08	KT96T1CW
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Silver	95	(20 - 120)			MCAWW 200.8	08/22-08/26/08	KT96T1A9
	95	(20 - 120)	0.32	(0-40)	MCAWW 200.8	08/22-08/26/08	KT96T1CA
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Thallium	97	(77 - 124)			MCAWW 200.8	08/22-08/26/08	KT96T1CX
	98	(77 - 124)	0.79	(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1C0
		Dilution Factor: 1					
		Analysis Time..: 00:27					
Zinc	NC,MSB	(72 - 120)			MCAWW 200.8	08/22-08/26/08	KT96T1C1
	NC,MSB	(72 - 120)		(0-30)	MCAWW 200.8	08/22-08/26/08	KT96T1C2
		Dilution Factor: 1					
		Analysis Time..: 00:27					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-001 **Prep Batch #...:** 8234354									
Antimony									
	0.86	40.0	40.6	ug/L	99		MCAWW 200.8	08/22-08/26/08	KT96T1CT
	0.86	40.0	40.7	ug/L	99	0.13	MCAWW 200.8	08/22-08/26/08	KT96T1CU
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Arsenic									
	2.6	40.0	41.2	ug/L	97		MCAWW 200.8	08/22-08/26/08	KT96T1CC
	2.6	40.0	42.9	ug/L	101	4.0	MCAWW 200.8	08/22-08/26/08	KT96T1CD
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Beryllium									
	ND	40.0	41.0	ug/L	102		MCAWW 200.8	08/22-08/26/08	KT96T1CE
	ND	40.0	40.5	ug/L	101	1.2	MCAWW 200.8	08/22-08/26/08	KT96T1CF
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Cadmium									
	0.35	40.0	40.8	ug/L	101		MCAWW 200.8	08/22-08/26/08	KT96T1CG
	0.35	40.0	40.7	ug/L	101	0.05	MCAWW 200.8	08/22-08/26/08	KT96T1CH
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Chromium									
	4.5	40.0	42.6	ug/L	95		MCAWW 200.8	08/22-08/27/08	KT96T1CJ
	4.5	40.0	41.9	ug/L	94	1.6	MCAWW 200.8	08/22-08/27/08	KT96T1CK
			Dilution Factor: 1						
			Analysis Time..: 23:38						
Copper									
	71	40.0	104	ug/L	84		MCAWW 200.8	08/22-08/26/08	KT96T1CL
	71	40.0	106	ug/L	88	1.4	MCAWW 200.8	08/22-08/26/08	KT96T1CM
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Lead									
	4.2	40.0	43.0	ug/L	97		MCAWW 200.8	08/22-08/26/08	KT96T1C3
	4.2	40.0	43.0	ug/L	97	0.12	MCAWW 200.8	08/22-08/26/08	KT96T1C4
			Dilution Factor: 1						
			Analysis Time..: 00:27						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:22 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	12	40.0	52.3	ug/L	99		MCAWW 200.8	08/22-08/26/08	KT96T1CN
	12	40.0	53.0	ug/L	101	1.4	MCAWW 200.8	08/22-08/26/08	KT96T1CP
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Nickel									
	4.7	40.0	42.5	ug/L	95		MCAWW 200.8	08/22-08/26/08	KT96T1CQ
	4.7	40.0	43.2	ug/L	96	1.6	MCAWW 200.8	08/22-08/26/08	KT96T1CR
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Selenium									
	1.6	40.0	23.9 N	ug/L	56		MCAWW 200.8	08/22-08/26/08	KT96T1CV
	1.6	40.0	26.0 N	ug/L	61	8.3	MCAWW 200.8	08/22-08/26/08	KT96T1CW
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Silver									
	2.3	40.0	40.4	ug/L	95		MCAWW 200.8	08/22-08/26/08	KT96T1A9
	2.3	40.0	40.5	ug/L	95	0.32	MCAWW 200.8	08/22-08/26/08	KT96T1CA
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Thallium									
	ND	40.0	39.0	ug/L	97		MCAWW 200.8	08/22-08/26/08	KT96T1CX
	ND	40.0	39.3	ug/L	98	0.79	MCAWW 200.8	08/22-08/26/08	KT96T1C0
			Dilution Factor: 1						
			Analysis Time..: 00:27						
Zinc									
	170	40.0	212	ug/L			MCAWW 200.8	08/22-08/26/08	KT96T1C1
			Qualifiers: NC,MSB						
	170	40.0	211	ug/L			MCAWW 200.8	08/22-08/26/08	KT96T1C2
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 00:27						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076							
Mercury	97	(90 - 110)			MCAWW 245.1	08/18/08	KT6TM1CC
	100	(90 - 110)	2.9	(0-10)	MCAWW 245.1	08/18/08	KT6TM1CD
		Dilution Factor: 1					
		Analysis Time..: 22:20					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/13/08 07:00 **Date Received..:** 08/14/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H140359-011 **Prep Batch #...:** 8231076									
Mercury									
	ND	5.00	4.84	ug/L	97		MCAWW 245.1	08/18/08	KT6TM1CC
	ND	5.00	4.99	ug/L	100	2.9	MCAWW 245.1	08/18/08	KT6TM1CD

Dilution Factor: 1
Analysis Time..: 22:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304							
Antimony	103	(80 - 117)			MCAWW 200.8	08/20-08/22/08	KT96V1CT
	105	(80 - 117)	2.1	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CU
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Arsenic	110	(79 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CC
	105	(79 - 120)	4.3	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CD
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Beryllium	112	(76 - 126)			MCAWW 200.8	08/20-08/22/08	KT96V1CE
	107	(76 - 126)	4.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CF
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Cadmium	99	(82 - 115)			MCAWW 200.8	08/20-08/22/08	KT96V1CG
	96	(82 - 115)	3.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CH
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Chromium	98	(80 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	95	(80 - 124)	2.9	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CK
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Copper	106	(82 - 114)			MCAWW 200.8	08/20-08/22/08	KT96V1CL
	95	(82 - 114)	7.4	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CM
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Lead	106	(79 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1C3
	96	(79 - 119)	9.0	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C4
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Molybdenum	99	(87 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1CN
	97	(87 - 120)	1.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CP
		Dilution Factor: 1					
		Analysis Time..: 03:35					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	99	(76 - 119)			MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	95	(76 - 119)	4.2	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1CR
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Selenium	105	(64 - 134)			MCAWW 200.8	08/20-08/22/08	KT96V1CV
	98	(64 - 134)	7.8	(0-35)	MCAWW 200.8	08/20-08/22/08	KT96V1CW
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Silver	97	(20 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1A9
	93	(20 - 120)	4.0	(0-40)	MCAWW 200.8	08/20-08/22/08	KT96V1CA
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Thallium	105	(77 - 124)			MCAWW 200.8	08/20-08/22/08	KT96V1CX
	96	(77 - 124)	8.6	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C0
		Dilution Factor: 1					
		Analysis Time..: 03:35					
Zinc	104	(72 - 120)			MCAWW 200.8	08/20-08/22/08	KT96V1C1
	97	(72 - 120)	4.7	(0-30)	MCAWW 200.8	08/20-08/22/08	KT96V1C2
		Dilution Factor: 1					
		Analysis Time..: 03:35					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8H160204-002 **Prep Batch #...:** 8232304									
Antimony									
	0.43	40.0	41.5	ug/L	103		MCAWW 200.8	08/20-08/22/08	KT96V1CT
	0.43	40.0	42.4	ug/L	105	2.1	MCAWW 200.8	08/20-08/22/08	KT96V1CU
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Arsenic									
	1.3	40.0	45.1	ug/L	110		MCAWW 200.8	08/20-08/22/08	KT96V1CC
	1.3	40.0	43.2	ug/L	105	4.3	MCAWW 200.8	08/20-08/22/08	KT96V1CD
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Beryllium									
	ND	40.0	44.7	ug/L	112		MCAWW 200.8	08/20-08/22/08	KT96V1CE
	ND	40.0	42.8	ug/L	107	4.4	MCAWW 200.8	08/20-08/22/08	KT96V1CF
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Cadmium									
	0.041	40.0	39.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CG
	0.041	40.0	38.3	ug/L	96	3.9	MCAWW 200.8	08/20-08/22/08	KT96V1CH
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Chromium									
	2.3	40.0	41.6	ug/L	98		MCAWW 200.8	08/20-08/22/08	KT96V1CJ
	2.3	40.0	40.4	ug/L	95	2.9	MCAWW 200.8	08/20-08/22/08	KT96V1CK
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Copper									
	20	40.0	62.5	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1CL
	20	40.0	58.1	ug/L	95	7.4	MCAWW 200.8	08/20-08/22/08	KT96V1CM
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Lead									
	0.67	40.0	42.9	ug/L	106		MCAWW 200.8	08/20-08/22/08	KT96V1C3
	0.67	40.0	39.2	ug/L	96	9.0	MCAWW 200.8	08/20-08/22/08	KT96V1C4
			Dilution Factor: 1						
			Analysis Time..: 03:35						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/15/08 07:17 **Date Received..:** 08/16/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	10	40.0	49.8	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CN
	10	40.0	49.0	ug/L	97	1.6	MCAWW 200.8	08/20-08/22/08	KT96V1CP
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Nickel									
	3.0	40.0	42.7	ug/L	99		MCAWW 200.8	08/20-08/22/08	KT96V1CQ
	3.0	40.0	40.9	ug/L	95	4.2	MCAWW 200.8	08/20-08/22/08	KT96V1CR
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Selenium									
	ND	40.0	42.2	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CV
	ND	40.0	39.0	ug/L	98	7.8	MCAWW 200.8	08/20-08/22/08	KT96V1CW
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Silver									
	0.83	40.0	39.7	ug/L	97		MCAWW 200.8	08/20-08/22/08	KT96V1A9
	0.83	40.0	38.1	ug/L	93	4.0	MCAWW 200.8	08/20-08/22/08	KT96V1CA
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Thallium									
	ND	40.0	42.0	ug/L	105		MCAWW 200.8	08/20-08/22/08	KT96V1CX
	ND	40.0	38.6	ug/L	96	8.6	MCAWW 200.8	08/20-08/22/08	KT96V1C0
			Dilution Factor: 1						
			Analysis Time..: 03:35						
Zinc									
	14	40.0	55.2	ug/L	104		MCAWW 200.8	08/20-08/22/08	KT96V1C1
	14	40.0	52.7	ug/L	97	4.7	MCAWW 200.8	08/20-08/22/08	KT96V1C2
			Dilution Factor: 1						
			Analysis Time..: 03:35						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8H160204 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: KVHMN1AA		MB Lot-Sample #:	D8H200000-389	
	ND	0.010	mg/L	SM18 4500-CN E	08/20/08	8233389
		Dilution Factor: 1				
		Analysis Time..: 13:20				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D8H160204 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD			LCS Lot-Sample#: D8H200000-389		
	107	(90 - 110)			SM18 4500-CN E	08/20/08	8233389
	107	(90 - 110)	0.18	(0-10)	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8H160204 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#:KVHMN1AC-LCS/KVHMN1AD-LCSD			LCS Lot-Sample#: D8H200000-389		
	0.100	0.107	mg/L	107		SM18 4500-CN E	08/20/08	8233389
	0.100	0.107	mg/L	107	0.18	SM18 4500-CN E	08/20/08	8233389

Dilution Factor: 1 Analysis Time..: 13:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KVDXQ1AQ-MS/KVDXQ1AR-MSD			MS Lot-Sample #: D8H190185-001	
	94	(90 - 110)			SM18 4500-CN E	08/20/08	8233388
	92	(90 - 110)	1.9	(0-10)	SM18 4500-CN E	08/20/08	8233388
		Dilution Factor: 1					
		Analysis Time..: 13:20					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8H160204 **Matrix.....:** WATER
Date Sampled...: 08/18/08 08:50 **Date Received..:** 08/19/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: KVDXQ1AQ-MS/KVDXQ1AR-MSD				MS Lot-Sample #: D8H190185-001		
	ND	0.100	0.0940	mg/L	94		SM18 4500-CN	08/20/08	8233388
	ND	0.100	0.0922	mg/L	92	1.9	SM18 4500-CN	08/20/08	8233388
			Dilution Factor: 1						
			Analysis Time..: 13:20						

NOTE(S):

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

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
TestAmerica Inc. 4955 Yarrow St. Arvada, CO 8002 Attn: Danielle Fougere (303) 736-0176	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total and Dissolved Metals: (By EPA 200.8/245.1) Ag, As, Be, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Tl, Zn, Hg

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08MET013	Influent	1	8/15/8	0722		
MOA08MET014	Effluent	1	8/15/8	0717		

Please split samples for separate total and dissolved metals analysis.
Please filter and then preserve samples with HNO_3 upon receipt at laboratory.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/15	8 0930	HAND	[signature]	8/15/08 0945
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/15/08 1030	FED EX	[signature]	8/16/8 830
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\Wet_PretreatmentMetals_water08COC.wpd

4.8 1R1
LM 8/16/08

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
TestAmerica 4955 Yarrow St. Arvada, CO 80002 Attn: Danielle Fougere (303) 736-0176	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1011	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total Cyanide (SM 4500-CN E Mod)

MATRIX: Water	**Preservative:** NaOH, 4°C Effluent samples contain L- Ascorbic Acid	**Type of Container:** 500 ml HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08TCN019	Influent	1	8/15/08	0722		
MOA08TCN020	Effluent	1	8/15/08	0717		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/15/8	0930	[signature]	[signature]	8/15/08 0945
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/15/08 1030	FED EX	[signature]	8/16/8 830
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

APPENDIX B

Toxic Pollutant and Pesticide Monitoring, August Sampling

B2 Asbestos

Solar Environmental Services, Inc. and EMSL Analytical, Inc.

AUGUST SAMPLING, ASBESTOS, SES AND EMSL SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08ASB004	INFLUENT	SAMPLE
MOA08ASB005	EFFLUENT	SAMPLE
MOA08ASB006	SLUDGE	SAMPLE

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4960 Email: westmontasblab@EMSL.com

Attn: **Grace Torrijos**
Solar Environmental Services, Inc.
7401 Meadow Street
Anchorage, AK 99507

Fax: (907) 349-7944 Phone: (907) 349-7705
Project: **AK08-1013-KINNETIC-MOK**

Customer ID:	SOLA50
Customer PO:	1865-081408
Received:	08/15/08 9:30 AM
EMSL Order:	040821294
EMSL Proj:	
Analysis Date:	8/20/2008
Report Date:	8/20/2008

Determination of Asbestos Structures over 10um in Length in Waste Water Performed by the EPA 100.2 Method

Sample ID	Sample Prep Date	# Fibers Asbestos	# Fibers Non-Asbestos	Type(s) Of Asbestos	Analytical Sensitivity (MFL)	Confidence Limits	Concentration Of Asbestos Fibers (MFL)	Comments
MOA08A58004 *040821294-0001*	8/15/08	0	0		50.00	0.00-180.00	<50.00	
MOA08A58005 *040821294-0002*	8/15/08	0	0		10.00	0.00-37.00	<10.00	

Analyst(s)
Derrick Young (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Sample collection and containers provided by the client, acceptable bottle blank level is defined as <=0.01MFL>10um. ND=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted.
ACCREDITATIONS: NJ Lab ID: 04006, NYS ELAP Lab ID: 10872, NVLAP 101048-0, FL Lab ID: E87788

THIS IS THE LAST PAGE OF THE REPORT.

Solar Environmental Services, Inc.

7401 Meadow Street
Anchorage, AK 99507
Home Page: www.solar-environmental.com

Phone: (907) 349-7705
Fax: (907) 349-7944
E-mail: sesenvir@alaska.net

CERTIFICATE OF ANALYSIS

CLIENT: Kinnetic Laboratories, Inc.
ATTN: Tim Mayers
1102 West 7th Avenue
Anchorage, Alaska 99501

CLIENT ORDER #: 194019
PROJECT NAME: 516.01
PROJECT #: AK08-1013
REPORT #: B2008-58
REPORT DATE: Sept. 4, 2008
COLLECTED BY: Client
DATE SAMPLED: August 13, 2008
DATE RECEIVED: August 13, 2008
DATE ANALYZED: Sept. 4, 2008
ANALYZED BY: Grace T.

PAGE: of 1

ASBESTOS QUALITATIVE DUST ANALYSIS SUMMARY

POLARIZED LIGHT MICROSCOPY (PLM) WITH DISPERSION STAINING

Lab.#	Client#	Location/ Description (color)	Asbestos Present	Notes
20085310201	MOA08ASB006	Sludge (Gray)	None Detected	

End of Report

Test report relates only to the items tested and must not be used by client to claim product endorsement by NVLAP or any Agency of the U.S. Government. Test Report must not be reproduced except in full without the approval of SES and subject to SES general terms and conditions. Small fibers may be missed by PLM Method due to resolution limitations of the optical microscope. Therefore, None Detected results cannot be guaranteed. Electron Microscopy is recommended for confirmation. This is not covered by NVLAP.

REVIEWED AND APPROVED BY: Gracita O. Torrijos, Chemist – I.H.

Date: 9/17/08

FORM# SES 1031-REVISED 08/07/96

AIHA – AAR – PAT Certified

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Solar Environmental Services 7401 Meadow St. Anchorage, AK 99507 Attn: Grace Torrijos (907)349-7705	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1013	**KLI Proj. #:** 516.01

ANALYSIS TYPE: ASBESTOS TEM. Method detection limit to be determined.

MATRIX: Water	**Preservative:** None, 4°C	**Type of Container:** 1-L HDPE

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08ASB004	Influent	1	8/13/8	0700		
MOA08ASB005	Effluent	1	8/13/8	0700		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/13/8	1020	[signature]	[signature]	8/13/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/13/8 1346	HAND	[signature]	8/3/08 1:45pm
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Solar Environmental Services 7401 Meadow St. Anchorage, AK 99507 Attn: Grace Torrijos (907)349-7705	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178 b2008-58

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1013	**KLI Proj. #:** 516.01

ANALYSIS TYPE: ASBESTOS PLM. Method detection limit to be determined.

MATRIX: Sludge	**Preservative:** None, 4°C	**Type of Container:** 125-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
20 MOA08ASB006	Sludge	1	8/13	0600		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/13/08	1020	[signature]	[signature]	8/13/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/13/08 1340	HAND	[signature]	8/13/08 1:30pm
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\ASB_SVLs_PESTs_MET_DXNsWET08COC.wpd

APPENDIX B

Toxic Pollutant and Pesticide Monitoring, August Sampling

B3 Enterococci

Spectra Laboratories

AUGUST SAMPLING, ENTEROCOCCI, SPECTRA LABORATORIES SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08ENT003	EFFLUENT REP-1	SAMPLE
MOA08ENT004	EFFLUENT REP-2	SAMPLE

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

08/15/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501
Attn: Tim Mayers

P.O.#: AK08-1014
Project: 516.01
Sample Matrix: Water
Date Sampled: 08/12/2008
Date Received: 08/14/2008
Spectra Project: 2008080236

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08ENT003/Eff. Rep 1	1	Total Entercocci by MPN	< 2	CFU/100ml	SM 9230B
MOA08ENT003/Eff. Rep 2	2	Total Entercocci by MPN	< 2	CFU/100ml	SM 9230B
MOA08ENT004/Eff. Rep 1	3	Total Entercocci by MPN	< 2	CFU/100ml	SM 9230B
MOA08ENT004/Eff. Rep 2	4	Total Entercocci by MPN	< 2	CFU/100ml	SM 9230B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/snb

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
SPECTRA Labs 2221 Ross Way Tacoma, WA 98421 (253) 272-4850 Attn: Shiran Brenner	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178 ext 4	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1014	**KLI Proj. #:** 516.01

ANALYSIS TYPE: SM 9230B

MATRIX: Water	**Preservative:** 4°C Effluent samples contain $Na_2S_2O_3$	**Type of Container:** 125-mL Bac-T bottles

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08ENT003	Effluent-1	2	8/12/08	1500		
MOA08ENT004	Effluent-2	2	8/12/08	1500		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature] 8/13/08	1020	[signature]	[signature]	8/13/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	8/13/08 1310	Goldstreak	[signature]	8/14/08 0907
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

SAMPLED BY (NAME/SIGNATURE): _____

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\ASB_SVLs_PESTs_MET_DXNsWET08COC.wpd

APPENDIX C

Receiving Water Quality Monitoring

C1 Total Suspended Solids and Cyanide

Soil Control Lab, Inc.

RECEIVING WATER, TOTAL CYANIDE AND TOTAL SUSPENDED SOLIDS, SOIL CONTROL LAB, SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08TCN001	F1-1S	SAMPLE
MOA08TCN002	F1-2S	SAMPLE
MOA08TCN003	F1-3S	SAMPLE
MOA08TCN004	C1-1S	SAMPLE
MOA08TCN005	C1-2S	SAMPLE
MOA08TCN006	C1-2S	FIELD DUPLICATE
MOA08TCN007	C1-3S	SAMPLE
MOA08TCN008	EFFLUENT	SAMPLE
MOA08TSS001	F1-1S	SAMPLE
MOA08TSS002	F1-2S	SAMPLE
MOA08TSS003	F1-3S	SAMPLE
MOA08TSS004	C1-1S	SAMPLE
MOA08TSS005	C1-2S	SAMPLE
MOA08TSS006	C1-2S	FIELD DUPLICATE
MOA08TSS007	C1-3S	SAMPLE
MOA08TSS008	EFFLUENT	SAMPLE

ANALYTICAL CHEMISTS
and
BACTERIOLOGISTS
Approved by State of California

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

TEL: 831-724-5422
FAX: 831-724-3188

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501
Attn: Kinnetic Laboratories - Anchorage

January 20, 2009

RE: None / 516.02
Workorder: 8060669

Dear Kinnetic Laboratories - Anchorage,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on 6/20/2008 2:15:00 PM.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Mike Galloway

Mike Galloway
Lab Director

Enclosure(s)

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

SAMPLE SUMMARY

Laboratory ID	Client ID	Station ID	Matrix	Sampled	Received
8060669-01	MOA08TSS001	F1-1S	Water	06/17/08 14:15	06/20/08 14:15
8060669-02	MOA08TSS002	F1-2S	Water	06/17/08 14:44	06/20/08 14:15
8060669-03	MOA08TSS003	F1-3S	Water	06/17/08 15:00	06/20/08 14:15
8060669-04	MOA08TSS004	C1-1S	Water	06/18/08 14:54	06/20/08 14:15
8060669-05	MOA08TSS005	C1-2S	Water	06/18/08 15:12	06/20/08 14:15
8060669-06	MOA08TSS006	C1-2S	Water	06/18/08 15:12	06/20/08 14:15
8060669-07	MOA08TSS007	C1-3S	Water	06/18/08 16:18	06/20/08 14:15
8060669-08	MOA08TSS008	EFFLUENT	Water	06/18/08 09:00	06/20/08 14:15
8060669-09	MOA08TCN001	F1-1S	Water	06/17/08 14:15	06/20/08 14:15
8060669-10	MOA08TCN002	F1-2S	Water	06/17/08 14:44	06/20/08 14:15
8060669-11	MOA08TCN003	F1-3S	Water	06/17/08 15:00	06/20/08 14:15
8060669-12	MOA08TCN004	C1-1S	Water	06/18/08 14:54	06/20/08 14:15
8060669-13	MOA08TCN005	C1-2S	Water	06/18/08 15:12	06/20/08 14:15
8060669-14	MOA08TCN006	C1-2S	Water	06/18/08 15:12	06/20/08 14:15
8060669-15	MOA08TCN007	C1-3S	Water	06/18/08 15:45	06/20/08 14:15
8060669-16	MO108TCN008	EFFLUENT	Water	06/18/08 09:00	06/20/08 14:15

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS001
Matrix: Water
Laboratory #: 8060669-01

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	160	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS002
Matrix: Water
Laboratory #: 8060669-02

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	180	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS003
Matrix: Water
Laboratory #: 8060669-03

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	180	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS004
Matrix: Water
Laboratory #: 8060669-04

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	220	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS005
Matrix: Water
Laboratory #: 8060669-05

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	280	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS006
Matrix: Water
Laboratory #: 8060669-06

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	270	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS007
Matrix: Water
Laboratory #: 8060669-07

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	410	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TSS008
Matrix: Water
Laboratory #: 8060669-08

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Total Suspended Solids	80	mg/L	4.0	0.40	4	EPA 160.2	06/23/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN001
Matrix: Water
Laboratory #: 8060669-09

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.16	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN002
Matrix: Water
Laboratory #: 8060669-10

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.13	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN003
Matrix: Water
Laboratory #: 8060669-11

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.21	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN004
Matrix: Water
Laboratory #: 8060669-12

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.10	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN005
Matrix: Water
Laboratory #: 8060669-13

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	ND	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN006
Matrix: Water
Laboratory #: 8060669-14

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.15	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MOA08TCN007
Matrix: Water
Laboratory #: 8060669-15

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.13	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Kinnetic Laboratories - Anchorage
1102 West 7th Avenue
Anchorage, AK 99501

Work Order #: 8060669
Reporting Date: January 20, 2009

Date Received: June 20, 2008
Project # / Name: None / 516.02
Sample Identification: MO108TCN008
Matrix: Water
Laboratory #: 8060669-16

	Results	Units	RL	MDL	Dilution Factor	Analysis Method	Date Analyzed	Flags
Cyanide (total)	0.19	ug/L	1.0	0.10	1	EPA 335.2	06/30/08	J

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Classical Chemistry Parameters - Quality Control
Soil Control Lab

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch PF80287 - Default Prep GenChem											
Blank (PF80287-BLK1)					Prepared & Analyzed: 23-Jun-08						
Total Suspended Solids	ND		2.0	mg/L							
Duplicate (PF80287-Dup1)		**Source: 8060669-04**			Prepared & Analyzed: 23-Jun-08						
Total Suspended Solids	219.6		4.0	mg/L		221.6			0.907	20	
Batch PK80095 - NO PREP - PHYSICAL											
Blank (PK80095-BLK1)					Prepared & Analyzed: 30-Jun-08						
Cyanide (total)	ND	0.10	1.0	ug/L							
Duplicate (PK80095-DUP1)		**Source: 8060669-16**			Prepared & Analyzed: 30-Jun-08						
Cyanide (total)	0.2467	0.10	1.0	ug/L		0.1933			24.2	20	QR-04
Matrix Spike (PK80095-MS1)		**Source: 8060669-16**			Prepared & Analyzed: 30-Jun-08						
Cyanide (total)	31.07	1.0	10	ug/L	33.3	0.1933	92.6	70-130			
Matrix Spike Dup (PK80095-MSD1)		**Source: 8060669-16**			Prepared & Analyzed: 30-Jun-08						
Cyanide (total)	30.63	1.0	10	ug/L	33.3	0.1933	91.3	70-130	1.40	20	
Reference (PK80095-SRM1)					Prepared & Analyzed: 30-Jun-08						
Cyanide (total)	14.83	1.0	10	ug/L	16.1		92.1	70-130			

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

Notes and Definitions

QR-04	The RPD of the sample duplicates was outside the normal acceptance range, but this is because the analyte concentration was below or near the reporting limit. This leads to high RPDs.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

RL - are levels down to which we can quantify with reliability, a result below this level is reported as "ND" for Not Detected.

APPENDIX C

Receiving Water Quality Monitoring

C2 Aromatic Hydrocarbons

TestAmerica Laboratories, Inc.

RECEIVING WATER, HYDROCARBONS, TESTAMERICA SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08VOA001	F1-1S	SAMPLE
MOA08VOA002	F1-2S	SAMPLE
MOA08VOA003	F1-2S	FIELD DUPLICATE
MOA08VOA004	F1-3S	SAMPLE
MOA08VOA005	C1-1S	SAMPLE
MOA08VOA006	C1-2S	SAMPLE
MOA08VOA007	C1-3S	SAMPLE
MOA08VOA008	EFFLUENT	SAMPLE
MOA08VOA009	C-STATION	FIELD BLANK
MOA08VOA010	TRIP BLANK	TRIP BLANK
MOA08VOA011	C-STATION	FIELD DUPLICATE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01 and 516.02

Lot D8F200327

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 11, 2008

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CASE NARRATIVE
D8F200327

The following report contains the analytical results for thirteen samples submitted to TestAmerica Laboratories, Inc's Denver Laboratory by Kinnetic Laboratories. The samples were received June 20, 2008, according to documented sample acceptance procedures.

Dilution factors and footnotes have been provided on each data sheet to assist in the interpretation of the results. In some cases, due to interferences or analytes present above the linear calibration curve, samples must be analyzed at a dilution. For samples analyzed at a dilution, the reporting limits are adjusted relative to the dilution required. Dilutions made for reasons other than the presence of target compound(s) are addressed in the Supplemental Information Section.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter listed on the methods summary page in accordance with the method indicated. A summary of QC data for this analysis is included near the end of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

Supplemental QC Information

Sample Arrival and Receipt

The samples presented in this report were received at the laboratory in good condition at a cooler temperature of 2.1°C.

Please note, the collection date listed on the chain of custody for sample MOA08VOA010 (Trip Blank) has a hand written date of 5/5/08. The sample was logged using the date and time of MOA08VOA009. Client was notified of this on June 20, 2008.

No other anomalies were observed.

Volatile Organic Compounds, Method 602

The RPD between the primary and confirmation columns exceeded 40% for Ethylbenzene in samples MOA08VOA004 and MOA08VOA007. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

MS/MSD analyses were performed on sampleMOA08VOA002. The MSD exhibited recoveries outside the control limits for Toluene. The MS was within QC Control limits. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D8F200327

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08VOA001 06/17/08 14:15 001				
Toluene	1.0	0.50	ug/L	CFR136A 602
Xylenes (total)	0.45 J	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	0.45 J	0.50	ug/L	CFR136A 602
MOA08VOA004 06/17/08 15:00 004				
Ethylbenzene	0.26	0.50	ug/L	CFR136A 602
	Qualifiers: J,COL			
Toluene	0.39 J	0.50	ug/L	CFR136A 602
MOA08VOA005 06/18/08 14:54 005				
Benzene	1.1	0.50	ug/L	CFR136A 602
Ethylbenzene	1.5	0.50	ug/L	CFR136A 602
Toluene	9.1	0.50	ug/L	CFR136A 602
o-Xylene	3.2	0.50	ug/L	CFR136A 602
Xylenes (total)	9.9	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	6.7	0.50	ug/L	CFR136A 602
MOA08VOA006 06/18/08 15:12 006				
Toluene	0.53	0.50	ug/L	CFR136A 602
Xylenes (total)	0.29 J	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	0.29 J	0.50	ug/L	CFR136A 602
MOA08VOA007 06/18/08 15:45 007				
Benzene	0.47 J	0.50	ug/L	CFR136A 602
Ethylbenzene	0.23	0.50	ug/L	CFR136A 602
	Qualifiers: J,COL			
Toluene	0.82	0.50	ug/L	CFR136A 602
MOA08VOA009 06/18/08 14:54 008				
Toluene	1.7	0.50	ug/L	CFR136A 602
o-Xylene	0.58	0.50	ug/L	CFR136A 602
Xylenes (total)	1.2	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	0.59	0.50	ug/L	CFR136A 602

(Continued on next page)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA001

GC Volatiles

Lot-Sample #...: D8F200327-001 **Work Order #...:** KQC8J1AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 14:15 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 18:16
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	**1.0**	**0.50**	**ug/L**	**0.17**
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	**0.45 J**	**0.50**	**ug/L**	**0.19**
m-Xylene & p-Xylene	**0.45 J**	**0.50**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(82 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA002

GC Volatiles

Lot-Sample #...: D8F200327-002 **Work Order #...:** KQC8K1AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 14:44 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 18:45
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Toluene	ND	0.50	ug/L	0.17
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19
Ethylbenzene	ND	0.50	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	103	(82 - 112)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA003

GC Volatiles

Lot-Sample #...: D8F200327-003 **Work Order #...:** KQC8M1AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 14:44 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 20:14
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	ND	0.50	ug/L	0.17
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	108	(82 - 112)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA004

GC Volatiles

Lot-Sample #...: D8F200327-004 **Work Order #...:** KQC8N1AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 15:00 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 20:44
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	**0.26 J,COL**	**0.50**	**ug/L**	**0.10**
Toluene	**0.39 J**	**0.50**	**ug/L**	**0.17**
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	107	(82 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA005

GC Volatiles

Lot-Sample #...: D8F200327-005 **Work Order #...:** KQC8P1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 14:54 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 21:13
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**1.1**	**0.50**	**ug/L**	**0.35**
Ethylbenzene	**1.5**	**0.50**	**ug/L**	**0.10**
Toluene	**9.1**	**0.50**	**ug/L**	**0.17**
o-Xylene	**3.2**	**0.50**	**ug/L**	**0.23**
Xylenes (total)	**9.9**	**0.50**	**ug/L**	**0.19**
m-Xylene & p-Xylene	**6.7**	**0.50**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	107	(82 - 112)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA006

GC Volatiles

Lot-Sample #...: D8F200327-006
Date Sampled...: 06/18/08 15:12
Prep Date.....: 06/27/08
Prep Batch #...: 8182204
Dilution Factor: 1

Work Order #...: KQC8Q1AA
Date Received..: 06/20/08
Analysis Date..: 06/27/08
Analysis Time..: 22:12

Matrix.....: WATER

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	**0.53**	**0.50**	**ug/L**	**0.17**
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	**0.29 J**	**0.50**	**ug/L**	**0.19**
m-Xylene & p-Xylene	**0.29 J**	**0.50**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(82 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA007

GC Volatiles

Lot-Sample #...: D8F200327-007 **Work Order #...:** KQC8R1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 15:45 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 22:42
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.47 J**	**0.50**	**ug/L**	**0.35**
Ethylbenzene	**0.23 J,COL**	**0.50**	**ug/L**	**0.10**
Toluene	**0.82**	**0.50**	**ug/L**	**0.17**
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(82 - 112)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA009

GC Volatiles

Lot-Sample #...: D8F200327-008 **Work Order #...:** KQC8V1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 14:54 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 23:11
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	**1.7**	**0.50**	**ug/L**	**0.17**
o-Xylene	**0.58**	**0.50**	**ug/L**	**0.23**
Xylenes (total)	**1.2**	**0.50**	**ug/L**	**0.19**
m-Xylene & p-Xylene	**0.59**	**0.50**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	104	(82 - 112)

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA010

GC Volatiles

Lot-Sample #...: D8F200327-009 **Work Order #...:** KQC8W1AA **Matrix.....:** WATER
Date Sampled...: 06/18/08 14:54 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 23:40
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	ND	0.50	ug/L	0.17
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	108	(82 - 112)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D8F200327
MB Lot-Sample #: D8F300000-204

Work Order #...: KQVDH1AA

Matrix.....: WATER

Analysis Date..: 06/27/08
Dilution Factor: 1

Prep Date.....: 06/27/08
Prep Batch #...: 8182204

Analysis Time..: 16:47

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	CFR136A 602
Ethylbenzene	ND	0.50	ug/L	CFR136A 602
Toluene	ND	0.50	ug/L	CFR136A 602
o-Xylene	ND	0.50	ug/L	CFR136A 602
Xylenes (total)	ND	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	ND	0.50	ug/L	CFR136A 602

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	109	(82 - 112)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D8F200327 **Work Order #...:** KQVDH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F300000-204 KQVDH1AD-LCSD
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 17:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**106**	**(75 - 113)**			**CFR136A 602**
	99	**(75 - 113)**	**7.0**	**(0-15)**	**CFR136A 602**
Toluene	**107**	**(79 - 113)**			**CFR136A 602**
	99	**(79 - 113)**	**7.4**	**(0-15)**	**CFR136A 602**
Ethylbenzene	**109**	**(82 - 115)**			**CFR136A 602**
	102	**(82 - 115)**	**6.1**	**(0-15)**	**CFR136A 602**
Xylenes (total)	**105**	**(82 - 115)**			**CFR136A 602**
	98	**(82 - 115)**	**6.5**	**(0-15)**	**CFR136A 602**
Chlorobenzene	**105**	**(83 - 115)**			**CFR136A 602**
	100	**(83 - 115)**	**4.6**	**(0-15)**	**CFR136A 602**
1,3-Dichlorobenzene	**107**	**(80 - 120)**			**CFR136A 602**
	101	**(80 - 120)**	**5.4**	**(0-15)**	**CFR136A 602**
1,4-Dichlorobenzene	**108**	**(80 - 122)**			**CFR136A 602**
	100	**(80 - 122)**	**7.8**	**(0-15)**	**CFR136A 602**
1,2-Dichlorobenzene	**108**	**(81 - 118)**			**CFR136A 602**
	101	**(81 - 118)**	**6.2**	**(0-15)**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	109	(82 - 112)
	104	(82 - 112)

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 Volatiles

Client Lot #...: D8F200327 **Work Order #...:** KQVDH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F300000-204 KQVDH1AD-LCSD
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 17:17
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**20.0**	**21.2**	**ug/L**	**106**		**CFR136A 602**
	20.0	**19.8**	**ug/L**	**99**	**7.0**	**CFR136A 602**
Toluene	**20.0**	**21.3**	**ug/L**	**107**		**CFR136A 602**
	20.0	**19.8**	**ug/L**	**99**	**7.4**	**CFR136A 602**
Ethylbenzene	**20.0**	**21.7**	**ug/L**	**109**		**CFR136A 602**
	20.0	**20.4**	**ug/L**	**102**	**6.1**	**CFR136A 602**
Xylenes (total)	**60.0**	**63.0**	**ug/L**	**105**		**CFR136A 602**
	60.0	**59.0**	**ug/L**	**98**	**6.5**	**CFR136A 602**
Chlorobenzene	**20.0**	**21.0**	**ug/L**	**105**		**CFR136A 602**
	20.0	**20.0**	**ug/L**	**100**	**4.6**	**CFR136A 602**
1,3-Dichlorobenzene	**20.0**	**21.4**	**ug/L**	**107**		**CFR136A 602**
	20.0	**20.2**	**ug/L**	**101**	**5.4**	**CFR136A 602**
1,4-Dichlorobenzene	**20.0**	**21.5**	**ug/L**	**108**		**CFR136A 602**
	20.0	**19.9**	**ug/L**	**100**	**7.8**	**CFR136A 602**
1,2-Dichlorobenzene	**20.0**	**21.5**	**ug/L**	**108**		**CFR136A 602**
	20.0	**20.2**	**ug/L**	**101**	**6.2**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	109	(82 - 112)
	104	(82 - 112)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D8F200327 **Work Order #...:** KQC8K1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F200327-002 KQC8K1AD-MSD
Date Sampled...: 06/17/08 14:44 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 19:15
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**108**	**(75 - 113)**			**CFR136A 602**
	112	**(75 - 113)**	**3.5**	**(0-15)**	**CFR136A 602**
Toluene	**108**	**(79 - 113)**			**CFR136A 602**
	114 a	**(79 - 113)**	**4.9**	**(0-15)**	**CFR136A 602**
Ethylbenzene	**108**	**(82 - 115)**			**CFR136A 602**
	110	**(82 - 115)**	**2.2**	**(0-15)**	**CFR136A 602**
Xylenes (total)	**104**	**(82 - 115)**			**CFR136A 602**
	111	**(82 - 115)**	**7.0**	**(0-15)**	**CFR136A 602**
Chlorobenzene	**104**	**(83 - 115)**			**CFR136A 602**
	110	**(83 - 115)**	**5.2**	**(0-15)**	**CFR136A 602**
1,3-Dichlorobenzene	**103**	**(80 - 120)**			**CFR136A 602**
	118	**(80 - 120)**	**13**	**(0-15)**	**CFR136A 602**
1,4-Dichlorobenzene	**105**	**(80 - 122)**			**CFR136A 602**
	116	**(80 - 122)**	**9.3**	**(0-15)**	**CFR136A 602**
1,2-Dichlorobenzene	**106**	**(81 - 118)**			**CFR136A 602**
	118	**(81 - 118)**	**11**	**(0-15)**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(82 - 112)
	105	(82 - 112)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D8F200327 **Work Order #...:** KQC8K1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F200327-002 KQC8K1AD-MSD
Date Sampled...: 06/17/08 14:44 **Date Received..:** 06/20/08
Prep Date.....: 06/27/08 **Analysis Date..:** 06/27/08
Prep Batch #...: 8182204 **Analysis Time..:** 19:15
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**20.0**	**21.6**	**ug/L**	**108**		**CFR136A 602**
	ND	**20.0**	**22.4**	**ug/L**	**112**	**3.5**	**CFR136A 602**
Toluene	**ND**	**20.0**	**21.8**	**ug/L**	**108**		**CFR136A 602**
	ND	**20.0**	**22.9**	**ug/L**	**114 a**	**4.9**	**CFR136A 602**
Ethylbenzene	**ND**	**20.0**	**21.5**	**ug/L**	**108**		**CFR136A 602**
	ND	**20.0**	**22.0**	**ug/L**	**110**	**2.2**	**CFR136A 602**
Xylenes (total)	**ND**	**60.0**	**62.4**	**ug/L**	**104**		**CFR136A 602**
	ND	**60.0**	**66.9**	**ug/L**	**111**	**7.0**	**CFR136A 602**
Chlorobenzene	**ND**	**20.0**	**20.9**	**ug/L**	**104**		**CFR136A 602**
	ND	**20.0**	**22.0**	**ug/L**	**110**	**5.2**	**CFR136A 602**
1,3-Dichlorobenzene	**ND**	**20.0**	**20.7**	**ug/L**	**103**		**CFR136A 602**
	ND	**20.0**	**23.6**	**ug/L**	**118**	**13**	**CFR136A 602**
1,4-Dichlorobenzene	**ND**	**20.0**	**21.1**	**ug/L**	**105**		**CFR136A 602**
	ND	**20.0**	**23.2**	**ug/L**	**116**	**9.3**	**CFR136A 602**
1,2-Dichlorobenzene	**ND**	**20.0**	**21.1**	**ug/L**	**106**		**CFR136A 602**
	ND	**20.0**	**23.6**	**ug/L**	**118**	**11**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	106	(82 - 112)
	105	(82 - 112)

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.

2.1°c
6/20/08 TM

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.02

ANALYSIS TYPE: EPA 602. Detection limit 0.5 µg/L.

MATRIX: Water | **Preservative:** HCl, 4°C. Station F1 samples contain L- Ascorbic Acid | **Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOA001	F1-1S	3	6/17/08	1415		
MOA08VOA002	F1-2S	3	6/17/08	1444		
MOA08VOA003	F1-2S	3	6/17/08	1444		
MOA08VOA004	F1-3S	3	6/17/08	~~1444~~ 1500		
MOA08VOA005	C1-1S	6	6/18/08	1454		
MOA08VOA006	C1-2S	3	6/18/08	1512		
MOA08VOA007	C1-3S	3	6/18/08	1545		
MOA08VOA009	C-STATION	3	6/18/08	1454		
MOA08VOA010	TRIP BLANK	3	5/5/08	NA		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DAT3E OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/19/08 1255	FEDEX	[signature]	6/20/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW08COC.wpd

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

KLI Project # 516.01

Lot D8F190366

Tim Mayers

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

TestAmerica Laboratories, Inc

Danielle Fougere
Project Manager

July 23, 2008

This report shall not be reproduced except in full, without the written approval of the laboratory

Laboratory generated MS/MSD analysis data have been provided in batch 8177186. The MS/MSD for method 8260 exhibited spike compound recoveries outside the QC limits for multiple compounds. The surrogate for Dibromofluoromethane was also outside of QC limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

The Initial Calibration (ICAL) standards associated with samples in batch 8175145 demonstrated a %Relative Standard Deviation (%RSD) value out of range for Acrolein and 2-Chloroethyl vinyl ether. The overall mean %RSD is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

No other anomalies were observed.

GC/MS Semivolatiles– Method 625/8270C

Samples MOA08SVL001, MOA08SVL002, and MOA08SVL003 were analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

The surrogate recovery for method 625 could not be calculated for samples MOA08SVL001 and MOA08SVL002, because the extract was diluted beyond the ability to quantitate a recovery.

The surrogate recovery for method 8270 could not be calculated for sample MOA08SVL003, because the extract was diluted beyond the ability to quantitate a recovery.

Low levels of bis(2-Ethylhexyl) phthalate are present in the method blank associated with QC batch 8172140. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged with a "J" or "B". Usability of the sample data is not compromised.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the MS/MSD performed on sample MOA08SVL001, because the sample was diluted beyond the ability to quantitate recoveries.

Percent recoveries, RPD data and surrogate recoveries could not be calculated, for the laboratory generated MS/MSD in batch 8177076, because the sample was diluted beyond the ability to quantitate recoveries.

No other anomalies were observed.

GC Volatiles– Method 602

The RPD between the primary and confirmation columns exceeded 40% for o-Xylenes and Xylenes(total) in sample MOA08VOA008. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "COL".

No other anomalies were observed.

GC Semivolatiles– Method 608/8081A/8082

Samples MOA08PES001, MOA08PES002, MOA08PES003, and MOA08PES004 were analyzed at a dilution due to matrix interference of non-target compounds. Reporting limits have been adjusted relative to the dilution required.

EXECUTIVE SUMMARY - Detection Highlights

D8F190366

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MOA08SVL003 06/18/08 06:00 020				
bis(2-Ethylhexyl) phthalate	20000	11000	ug/kg	SW846 8270C
Phenanthrene	790 J	11000	ug/kg	SW846 8270C
Percent Moisture	70	0.10	%	MCAWW 160.3 MOD
MOA08O&G001 06/17/08 13:00 021				
HEM (Oil and Grease)	44	5.0	mg/L	CFR136A 1664A HEM
MOA08O&G002 06/16/08 12:55 022				
HEM (Oil and Grease)	28	5.0	mg/L	CFR136A 1664A HEM
MOA08VOA008 06/17/08 12:06 023				
Ethylbenzene	0.86	0.50	ug/L	CFR136A 602
Toluene	6.4	0.50	ug/L	CFR136A 602
o-Xylene	0.75 COL	0.50	ug/L	CFR136A 602
Xylenes (total)	2.5 COL	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	1.8	0.50	ug/L	CFR136A 602

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA008

GC Volatiles

Lot-Sample #...: D8F190366-023 **Work Order #...:** KP9P41AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 12:06 **Date Received..:** 06/19/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 17:07
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	**0.86**	**0.50**	**ug/L**	**0.10**
Toluene	**6.4**	**0.50**	**ug/L**	**0.17**
o-Xylene	**0.75 COL**	**0.50**	**ug/L**	**0.23**
Xylenes (total)	**2.5 COL**	**0.50**	**ug/L**	**0.19**
m-Xylene & p-Xylene	**1.8**	**0.50**	**ug/L**	**0.19**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	101	(82 - 112)

NOTE(S):

COL More than 40% RPD between primary and confirmation column results. The lower of the two results is reported.

Kinnetics Laboratories, Inc.

Client Sample ID: MOA08VOA011

GC Volatiles

Lot-Sample #...: D8F190366-024 **Work Order #...:** KP9P51AA **Matrix.....:** WATER
Date Sampled...: 06/17/08 12:06 **Date Received..:** 06/19/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 17:43
Dilution Factor: 1

Method.....: CFR136A 602

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.50	ug/L	0.35
Ethylbenzene	ND	0.50	ug/L	0.10
Toluene	ND	0.50	ug/L	0.17
o-Xylene	ND	0.50	ug/L	0.23
Xylenes (total)	ND	0.50	ug/L	0.19
m-Xylene & p-Xylene	ND	0.50	ug/L	0.19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(82 - 112)

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQDP21AA **Matrix.....:** WATER
MB Lot-Sample #: D8F210000-069

Prep Date.....: 06/20/08 **Analysis Time..:** 11:14
Analysis Date..: 06/20/08 **Prep Batch #...:** 8173069
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.50	ug/L	CFR136A 602
Ethylbenzene	ND	0.50	ug/L	CFR136A 602
Toluene	ND	0.50	ug/L	CFR136A 602
Xylenes (total)	ND	0.50	ug/L	CFR136A 602
o-Xylene	ND	0.50	ug/L	CFR136A 602
m-Xylene & p-Xylene	ND	0.50	ug/L	CFR136A 602

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	98	(82 - 112)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQDP21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F210000-069 KQDP21AD-LCSD
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 10:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(75 - 113)**			**CFR136A 602**
	94	**(75 - 113)**	**0.84**	**(0-15)**	**CFR136A 602**
Toluene	**96**	**(79 - 113)**			**CFR136A 602**
	93	**(79 - 113)**	**2.9**	**(0-15)**	**CFR136A 602**
Ethylbenzene	**96**	**(82 - 115)**			**CFR136A 602**
	93	**(82 - 115)**	**3.4**	**(0-15)**	**CFR136A 602**
Xylenes (total)	**96**	**(82 - 115)**			**CFR136A 602**
	93	**(82 - 115)**	**3.2**	**(0-15)**	**CFR136A 602**
Chlorobenzene	**92**	**(83 - 115)**			**CFR136A 602**
	89	**(83 - 115)**	**3.1**	**(0-15)**	**CFR136A 602**
1,3-Dichlorobenzene	**96**	**(80 - 120)**			**CFR136A 602**
	93	**(80 - 120)**	**3.1**	**(0-15)**	**CFR136A 602**
1,4-Dichlorobenzene	**92**	**(80 - 122)**			**CFR136A 602**
	90	**(80 - 122)**	**2.1**	**(0-15)**	**CFR136A 602**
1,2-Dichlorobenzene	**89**	**(81 - 118)**			**CFR136A 602**
	87	**(81 - 118)**	**2.7**	**(0-15)**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	97	(82 - 112)
	99	(82 - 112)

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 Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KQDP21AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D8F210000-069 KQDP21AD-LCSD
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 10:00
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**20.0**	**18.9**	**ug/L**	**95**		**CFR136A 602**
	20.0	**18.8**	**ug/L**	**94**	**0.84**	**CFR136A 602**
Toluene	**20.0**	**19.2**	**ug/L**	**96**		**CFR136A 602**
	20.0	**18.7**	**ug/L**	**93**	**2.9**	**CFR136A 602**
Ethylbenzene	**20.0**	**19.2**	**ug/L**	**96**		**CFR136A 602**
	20.0	**18.6**	**ug/L**	**93**	**3.4**	**CFR136A 602**
Xylenes (total)	**60.0**	**57.5**	**ug/L**	**96**		**CFR136A 602**
	60.0	**55.7**	**ug/L**	**93**	**3.2**	**CFR136A 602**
Chlorobenzene	**20.0**	**18.3**	**ug/L**	**92**		**CFR136A 602**
	20.0	**17.8**	**ug/L**	**89**	**3.1**	**CFR136A 602**
1,3-Dichlorobenzene	**20.0**	**19.1**	**ug/L**	**96**		**CFR136A 602**
	20.0	**18.5**	**ug/L**	**93**	**3.1**	**CFR136A 602**
1,4-Dichlorobenzene	**20.0**	**18.4**	**ug/L**	**92**		**CFR136A 602**
	20.0	**18.0**	**ug/L**	**90**	**2.1**	**CFR136A 602**
1,2-Dichlorobenzene	**20.0**	**17.9**	**ug/L**	**89**		**CFR136A 602**
	20.0	**17.4**	**ug/L**	**87**	**2.7**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene **(TFT)**	97	(82 - 112)
	99	(82 - 112)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KPT3G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F120313-001 KPT3G1AG-MSD
Date Sampled...: 06/12/08 10:30 **Date Received..:** 06/12/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 13:26
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**112**	**(75 - 113)**			**CFR136A 602**
	112	**(75 - 113)**	**0.01**	**(0-15)**	**CFR136A 602**
Toluene	**111**	**(79 - 113)**			**CFR136A 602**
	111	**(79 - 113)**	**0.33**	**(0-15)**	**CFR136A 602**
Ethylbenzene	**110**	**(82 - 115)**			**CFR136A 602**
	111	**(82 - 115)**	**0.97**	**(0-15)**	**CFR136A 602**
Xylenes (total)	**110**	**(82 - 115)**			**CFR136A 602**
	111	**(82 - 115)**	**0.60**	**(0-15)**	**CFR136A 602**
Chlorobenzene	**105**	**(83 - 115)**			**CFR136A 602**
	106	**(83 - 115)**	**0.50**	**(0-15)**	**CFR136A 602**
1,3-Dichlorobenzene	**110**	**(80 - 120)**			**CFR136A 602**
	112	**(80 - 120)**	**1.6**	**(0-15)**	**CFR136A 602**
1,4-Dichlorobenzene	**105**	**(80 - 122)**			**CFR136A 602**
	107	**(80 - 122)**	**1.3**	**(0-15)**	**CFR136A 602**
1,2-Dichlorobenzene	**101**	**(81 - 118)**			**CFR136A 602**
	103	**(81 - 118)**	**1.4**	**(0-15)**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(82 - 112)
	99	(82 - 112)

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 Volatiles

Client Lot #...: D8F190366 **Work Order #...:** KPT3G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D8F120313-001 KPT3G1AG-MSD
Date Sampled...: 06/12/08 10:30 **Date Received..:** 06/12/08
Prep Date.....: 06/20/08 **Analysis Date..:** 06/20/08
Prep Batch #...: 8173069 **Analysis Time..:** 13:26
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**20.0**	**22.3**	**ug/L**	**112**		**CFR136A 602**
	ND	**20.0**	**22.3**	**ug/L**	**112**	**0.01**	**CFR136A 602**
Toluene	**ND**	**20.0**	**22.2**	**ug/L**	**111**		**CFR136A 602**
	ND	**20.0**	**22.3**	**ug/L**	**111**	**0.33**	**CFR136A 602**
Ethylbenzene	**ND**	**20.0**	**21.9**	**ug/L**	**110**		**CFR136A 602**
	ND	**20.0**	**22.2**	**ug/L**	**111**	**0.97**	**CFR136A 602**
Xylenes (total)	**ND**	**60.0**	**66.0**	**ug/L**	**110**		**CFR136A 602**
	ND	**60.0**	**66.4**	**ug/L**	**111**	**0.60**	**CFR136A 602**
Chlorobenzene	**ND**	**20.0**	**21.0**	**ug/L**	**105**		**CFR136A 602**
	ND	**20.0**	**21.1**	**ug/L**	**106**	**0.50**	**CFR136A 602**
1,3-Dichlorobenzene	**ND**	**20.0**	**22.0**	**ug/L**	**110**		**CFR136A 602**
	ND	**20.0**	**22.3**	**ug/L**	**112**	**1.6**	**CFR136A 602**
1,4-Dichlorobenzene	**ND**	**20.0**	**21.1**	**ug/L**	**105**		**CFR136A 602**
	ND	**20.0**	**21.4**	**ug/L**	**107**	**1.3**	**CFR136A 602**
1,2-Dichlorobenzene	**ND**	**20.0**	**20.3**	**ug/L**	**101**		**CFR136A 602**
	ND	**20.0**	**20.5**	**ug/L**	**103**	**1.4**	**CFR136A 602**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	96	(82 - 112)
	99	(82 - 112)

NOTE(S):

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

Bold print denotes control parameters

4.6°C
4
6/19/08
1122

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
TestAmerica 4955 Yarrow St. Arvada, CO 80002 (303) 736-0100 Attn: Mike Phillips	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days | **P.O. #:** AK08-1004 | **KLI Proj. #:** 516.01

ANALYSIS TYPE: EPA 602. Detection limit 0.5 µg/L.

MATRIX: Water | **Preservative:** HCl, 4°C; Effluent sample contains L-Ascorbic Acid | **Type of Container:** 40-mL glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08VOA008	EFFLUENT	3	6/17/8	1206		
MOA08VOA011	C-Station	3	6/17/8	↓		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/8 1150	[signature]	[signature]	6/18/05 1150
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/08 1300	FED EX	[signature]	6/19/08 0900
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

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APPENDIX C

Receiving Water Quality Monitoring

C3 Polycyclic Aromatic Hydrocarbons

Texas A&M GERG

RECEIVING WATER, PAH, GERG SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08PAH001	F1-1S	SAMPLE
MOA08PAH002	F1-2S	SAMPLE
MOA08PAH003	F1-3S	SAMPLE
MOA08PAH004	C1-1S	SAMPLE
MOA08PAH005	C1-2S	SAMPLE
MOA08PAH006	C1-3S	SAMPLE
MOA08PAH007	EFFLUENT	SAMPLE

GEOCHEMICAL & ENVIRONMENTAL RESEARCH GROUP

GERG

College of Geosciences
Texas A&M University

Kinnetic Laboratories
Municipality of Anchorage 2008 Sampling
Case Narrative: PAH
Analytical Report No. I6627-A

I. Background

Seven water samples were received in duplicate under chain of custody in one sample delivery group on June 20, 2008. Samples were logged in under chain of custody and stored at 4°C. One water sample of each duplicate pair was extracted and analyzed for polynuclear aromatic hydrocarbons (PAHs) as requested.

II. Analysis Request

A. Standard Operating Procedures

The water samples were extracted and analyzed following the protocol contained in the following SOP used at GERG:

SOP-0001

Extracting of Water Samples for the Analysis of Organic Compounds Using the Separatory Funnel Technique. Rev. 1 as of March 1, 2000.

SOP-9733

Quantitative Determination Of Polynuclear Aromatic Hydrocarbons By Gas Chromatography/Mass Spectrometry Using The Selected Ion Monitoring Mode. Rev. 3 As of October 16, 1998.

B. SOP Modifications

None needed

II. Quality Control

Calibrations for Aromatic Hydrocarbons

The analytes are calculated using an average response factor based on the form:

$$RRF\ (n) = \frac{Ax * Cqs}{Aqs * Cx}$$

Ais = sum of the integrated ion abundances of the quantitation ions for the deuterated internal standards,

Cx = concentration of the unlabeled PAHs in ng/mL

Cqs = concentration of the deuterated quantitation standard in the calibration solution,

Cis = concentration of the deuterated internal standard in the calibration solution,

$\overline{RRF\ (n)}$ = mean relative response factor for the unlabeled target analyte relative to its deuterated quantitation, and

$\overline{RRF\ (m)}$ = mean relative response factor for deuterated quantitation standard relative to its deuterated internal standard.

The sample concentration is calculated using the equation:

$$conc = x * df / wt$$

where:

conc = the concentration of the analyte of the analyte (ng/g);

x = amount of the analyte as found from solving the quadratic equation;

df = dilution factor;

wt = the sample weight in grams wet tissue.

Laboratory Qualifiers

The PAH concentrations are reported in nanograms per liter (ng/L), or parts per trillion. All of the analytical data have been qualified based on the most recent method detection limits determined (Spring 2006). A value of two times the MDL for the parent compound was used for multi-peak concentrations (i.e., MDL for C1-fluorenes is 7.3 ng/L from an MDL of 3.7 ng/L for fluorene based on a 1.0 liter water sample). Concentrations that were less than the MDL are adjusted for sample size and dilution and are qualified "J" and those analytes not detected are qualified "ND". Concentrations that exceeded the calibration limits are qualified "EC". The concentrations that are determined by analyses of a diluted aliquot are qualified "D". If the quantification of an analyte is interfered with by another analyte due to its high concentration the data will be left blank and qualified "I" to denote this interference. Analytes may be found above the three times the detection limits in the blank. These may cause possible contamination in samples that are less than ten times the observed level in the blank. These data are qualified "B" to denote this possible contamination. Measurements that are out of QA limits are qualified as "Q".

The GERG STD Check (REF Oil) is run on the instrument prior to each analytical batch. The sample is a solution of petroleum oil in methylene chloride with a concentration of about 800 mg/milliliter of solution. The GERG STD Check is used to define the retention time windows for the alkylated PAH homologue clusters; it is not a certified reference material.

The PAH concentrations are reported in nanograms per liter (ng/L), or parts per trillion. Analytes that are below the MDL are qualified in the tables as "J". Those

Sample Integrity Report
& Chains of Custody

KINNETIC LABORATORIES, INC
KINNETIC LABORATORIES, INC
1102 WEST 7TH AVENUE

ANCHORAGE, AK 99501

CL5953008/21/24

ActWgt: 80 LB
System#: 3116229/INET8061
Account#: S *********

Delivery Address Bar Code

Ref # 516.02
Invoice #
PO #
Dept #

SHIP TO: 979-862-2323 BILL SENDER

Terry Wade
Texas A&M GERG
833 Graham Road

College Station, TX 77845

TRK# 0201 7905 2976 8771

FRI - 20JUN **A4**
PRIORITY OVERNIGHT

AB CLLA

77845
TX-US
IAH

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value,.pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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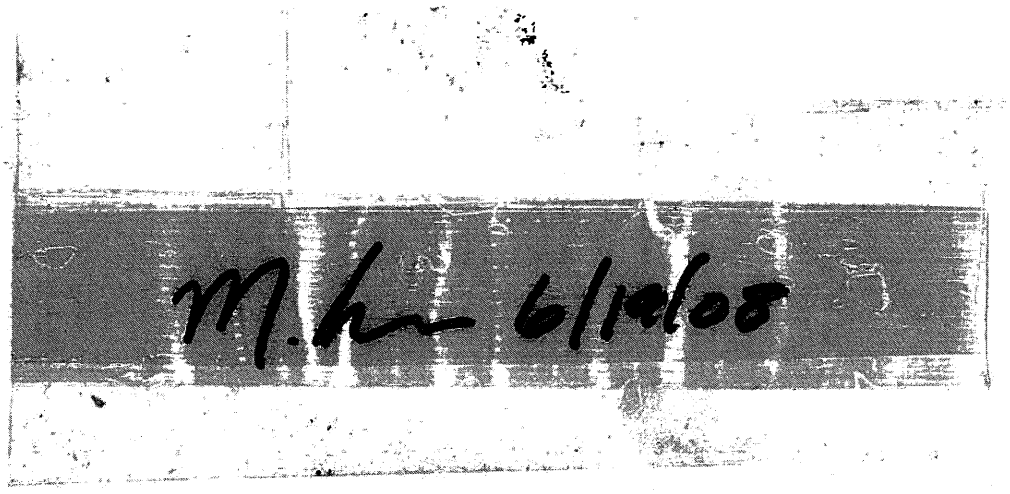

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Texas A & M GERG 833 Graham Road College Station, TX 77845 Attn: Terry Wade (979) 862-2323	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 45 days	**P.O. #:** AK08-1009	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Extraction of water for hydrocarbon analysis (GERG SOP-8901); determination of PAH and their alkylated homologues (GERG SOP-9733).

MATRIX: Water	**Preservative:** 4°C, HCl, L- Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PAH007	EFFLUENT	2	6/17/8	1206		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/8 1150	[illegible]	[illegible]	6/18/05 1150
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1000	Fed-x	[illegible]	6/20/08 10 30
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW_EFF08COC.wpd

Friday, June 20, 2008

SAMPLE INFORMATION SHEET

Subproject Name :

Client Name : Kinnetic

Subproject ID : 20080606 Project No :

Receive Date : 6/20/2008 Due Date : 7/30/2008

PO A : AK08-1009

PO B :

PO C :

PO D :

				FID					ECD	FPD		MS			HRMS			LABORATORY								AA			IRMS	OTHER				
Gerg ID	Client ID	SDG	M	TP	AL	CF	WO	HS	OC	AC	TB	AR	VO	BS	BA	CP	DF	SP	DW	PL	OG	GS	AV	TV	CN	CV	AM	PM	FM	IS	BM	FL	TC	UL
C60027	MOA08PAH001	I6627	Wat									A						A																
C60028	MOA08PAH002	I6627	Wat									A						A																
C60029	MOA08PAH003	I6627	Wat									A						A																
C60030	MOA08PAH004	I6627	Wat									A						A																
C60031	MOA08PAH005	I6627	Wat									A						A																
C60032	MOA08PAH006	I6627	Wat									A						A																
C60033	MOA08PAH007	I6627	Wat									A						A																
Total Samples:	7			0	0	0	0	0	0	0	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Aromatic Hydrocarbon Data

Kinnetic Effluent Waters

	MOA08PAH00		MOA08PAH00		MOA08PAH00		MOA08PAH00	
Client Sample ID	1		2		3		4	
Sample Descriptor								
Original Sample								
GERG ID	C60027		C60028		C60029		C60030	
Sample Type	SAMP		SAMP		SAMP		SAMP	
SDG	I6627		I6627		I6627		I6627	
PAH Compounds	**Concentration**		**Concentration**		**Concentration**		**Concentration**	
Naphthalene	3.8	J	8.1		6.2		4.9	J
C1-Naphthalenes	5.3	J	6.3	J	6.2	J	6.8	J
C2-Naphthalenes	4.9		5.8		6.3		6.4	
C3-Naphthalenes	5.5	J	6.1	J	5.5	J	6.5	J
C4-Naphthalenes	2.3	J	2.5	J	2.0	J	2.6	J
Biphenyl	1.7	J	1.7	J	2.0	J	2.3	J
Acenaphthylene	0.3	J	0.4	J	0.3	J	0.3	J
Acenaphthene	2.3	J	2.4	J	2.4	J	2.5	J
Fluorene	1.2	J	1.6	J	1.3	J	1.4	J
C1-Fluorenes	2.0	J	3.0	J	3.4	J	1.9	J
C2-Fluorenes	2.0	J	2.0	J	2.6	J	1.7	J
C3-Fluorenes	1.6	J		ND		ND		ND
Phenanthrene	5.2		5.9		5.4		5.7	
Anthracene	0.4	J	0.5	J	0.5	J	0.3	J
C1-Phenanthrenes/Anthracenes	4.1	J	5.0	J	6.7	J	4.8	J
C2-Phenanthrenes/Anthracenes	2.7	J	4.8	J	4.3	J	3.2	J
C3-Phenanthrenes/Anthracenes	3.5	J	6.7	J	5.5	J	2.6	J
C4-Phenanthrenes/Anthracenes		ND	1.3	J	0.9	J		ND
Dibenzothiophene	0.6	J	0.8	J	0.6	J	0.7	J
C1-Dibenzothiophenes	2.2	J	2.3	J	3.8	J	1.3	J
C2-Dibenzothiophenes	1.7	J	2.5	J	3.4	J	1.6	J
C3-Dibenzothiophenes	1.3	J	1.7	J	3.1	J		ND
Fluoranthene	1.6	J	1.5	J	1.1	J	0.8	J
Pyrene	2.1	J	1.1	J	1.0	J	0.8	J
C1-Fluoranthenes/Pyrenes	1.4	J	1.3	J	1.0	J	1.0	J
C2-Fluoranthenes/Pyrenes	1.2	J		ND		ND	1.3	J
C3-Fluoranthenes/Pyrenes	0.4	J		ND		ND	0.8	J
Benzo(a)anthracene	0.5	J	0.4	J	0.5	J	0.4	J
Chrysene	0.7	J	0.6	J	0.6	J	0.7	J
C1-Chrysenes	1.3	J	1.0	J	1.1	J	1.3	J
C2-Chrysenes		ND	1.1	J	2.0	J	1.9	J
C3-Chrysenes		ND		ND		ND	2.0	J
C4-Chrysenes		ND		ND		ND		ND
Benzo(b)fluoranthene	0.7	J	0.6	J	0.6	J	0.5	J
Benzo(k)fluoranthene	0.4	J	0.2	J	0.1	J	0.2	J
Benzo(e)pyrene	1.0	J	0.5	J	0.5	J	0.4	J
Benzo(a)pyrene	0.5	J	0.4	J	0.3	J	0.4	J
Perylene	1.2	J	1.4	J	1.0	J	1.0	J
Indeno(1,2,3-c,d)pyrene	1.1	J	0.6	J	0.4	J	0.4	J
Dibenzo(a,h)anthracene	0.9	J	0.5	J	0.5	J	0.6	J
Benzo(g,h,i)perylene	3.0	J	0.8	J	1.2	J	0.9	J
2-Methylnaphthalene	3.3	J	3.9	J	3.8	J	4.3	J
1-Methylnaphthalene	2.0	J	2.4	J	2.3	J	2.5	J
2,6-Dimethylnaphthalene	2.0	J	2.4		2.4		2.5	
1,6,7-Trimethylnaphthalene	1.5	J	1.9	J	1.8	J	1.6	J
1-Methylphenanthrene	1.2	J	1.2	J	1.3	J	1.1	J

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

	MOA08PAH005		MOA08PAH006		MOA08PAH007	
Client Sample ID						
Sample Descriptor						
Original Sample						
GERG ID	C60031		C60032		C60033	
Sample Type	SAMP		SAMP		SAMP	
SDG	I6627		I6627		I6627	
PAH Compounds	**Concentration**		**Concentration**		**Concentration**	
Naphthalene	17.3		14.0		254.4	
C1-Naphthalenes	7.0	J	5.8	J	274.5	
C2-Naphthalenes	7.3		5.1		223.4	
C3-Naphthalenes	7.2	J	5.6	J	199.3	
C4-Naphthalenes	3.0	J	2.8	J	82.3	
Biphenyl	2.3	J	1.8	J	35.5	
Acenaphthylene	0.4	J	0.2	J	5.2	
Acenaphthene	2.5	J	2.2	J	98.6	
Fluorene	1.5	J	1.3	J	94.2	
C1-Fluorenes	1.8	J	1.5	J	85.2	
C2-Fluorenes	1.7	J	1.8	J	133.1	
C3-Fluorenes		ND		ND	82.1	
Phenanthrene	6.8		5.5		486.8	
Anthracene	0.4	J	0.2	J	55.5	
C1-Phenanthrenes/Anthracenes	4.3	J	4.0	J	194.5	
C2-Phenanthrenes/Anthracenes	4.0	J	3.0	J	163.5	
C3-Phenanthrenes/Anthracenes	2.9	J	2.3	J	116.0	
C4-Phenanthrenes/Anthracenes		ND		ND	33.8	
Dibenzothiophene	0.9	J	0.8	J	35.5	
C1-Dibenzothiophenes	1.6	J	1.2	J	67.3	
C2-Dibenzothiophenes	1.6	J	1.6	J	58.2	
C3-Dibenzothiophenes	1.8	J	1.6	J	61.4	
Fluoranthene	1.4	J	0.9	J	289.0	
Pyrene	1.0	J	0.8	J	241.2	
C1-Fluoranthenes/Pyrenes	0.9	J	0.8	J	77.6	
C2-Fluoranthenes/Pyrenes	0.9	J	1.0	J	27.9	
C3-Fluoranthenes/Pyrenes	0.6	J		ND	9.4	J
Benzo(a)anthracene	0.4	J	0.4	J	49.0	
Chrysene	1.0	J	0.6	J	52.5	
C1-Chrysenes	1.8	J	0.9	J	50.0	
C2-Chrysenes	0.9	J		ND	51.9	
C3-Chrysenes	0.8	J		ND	44.9	
C4-Chrysenes		ND		ND		ND
Benzo(b)fluoranthene	0.5	J	0.6	J	41.3	
Benzo(k)fluoranthene	0.1	J	0.1	J	13.4	
Benzo(e)pyrene	0.4	J	0.4	J	25.1	
Benzo(a)pyrene	0.4	J	0.3	J	21.1	
Perylene	1.8	J	1.0	J	7.9	J
Indeno(1,2,3-c,d)pyrene	0.3	J	0.3	J	23.0	
Dibenzo(a,h)anthracene	0.2	J	0.2	J	6.5	
Benzo(g,h,i)perylene	0.5	J	0.5	J	16.0	
2-Methylnaphthalene	4.3	J	3.5	J	157.9	
1-Methylnaphthalene	2.8	J	2.2	J	116.6	
2,6-Dimethylnaphthalene	2.7		2.2		99.0	
1,6,7-Trimethylnaphthalene	1.7	J	1.1	J	44.6	
1-Methylphenanthrene	1.5	J	1.1	J	47.7	

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

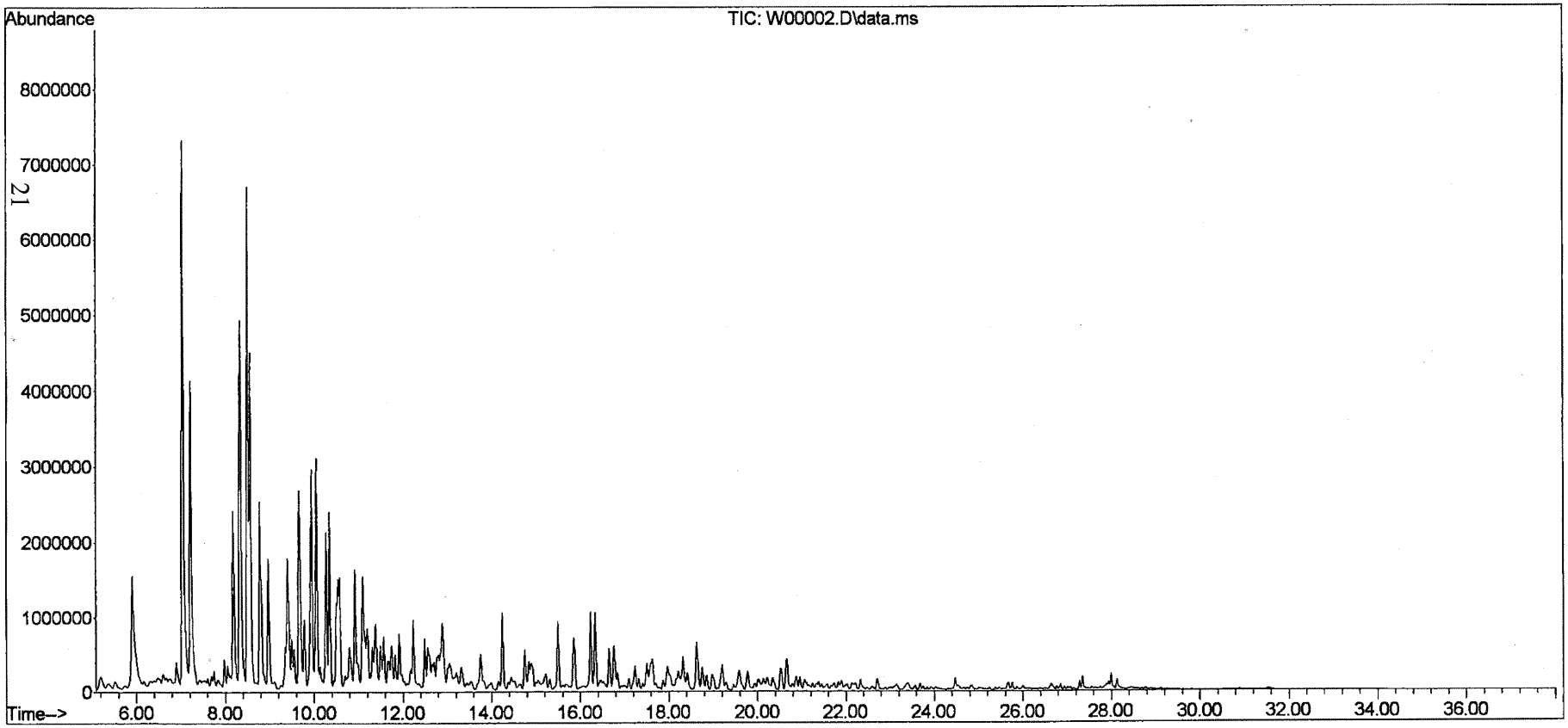
Client Sample ID					
Sample Descriptor	Proc Blank		Blank Spike	Blank Spike Dup	
Original Sample					
GERG ID	Q23925		Q23926	Q23927	
Sample Type	BLANK		LBS	LBSD	MSDRPD
SDG					
PAH Compounds	**Concentration**		**% Recovery**	**% Recovery**	**%RPD**
Naphthalene	3.8	J	101.3	105.2	3.9
C1-Naphthalenes	3.8	J			
C2-Naphthalenes		ND			
C3-Naphthalenes		ND			
C4-Naphthalenes		ND			
Biphenyl	1.2	J	104.1	103.6	0.5
Acenaphthylene	0.4	J	101.7	98.8	2.9
Acenaphthene	1.8	J	103.8	102.0	1.7
Fluorene	0.9	J	104.5	105.4	0.8
C1-Fluorenes		ND			
C2-Fluorenes		ND			
C3-Fluorenes		ND			
Phenanthrene	3.2	J	105.5	105.6	0.1
Anthracene	0.3	J	97.3	97.4	0.2
C1-Phenanthrenes/Anthracenes		ND			
C2-Phenanthrenes/Anthracenes		ND			
C3-Phenanthrenes/Anthracenes		ND			
C4-Phenanthrenes/Anthracenes		ND			
Dibenzothiophene	0.6	J	105.1	102.7	2.3
C1-Dibenzothiophenes		ND			
C2-Dibenzothiophenes		ND			
C3-Dibenzothiophenes		ND			
Fluoranthene	0.5	J	107.2	102.1	4.8
Pyrene	0.3	J	111.6	104.0	7.0
C1-Fluoranthenes/Pyrenes		ND			
C2-Fluoranthenes/Pyrenes		ND			
C3-Fluoranthenes/Pyrenes		ND			
Benzo(a)anthracene	0.5	J	101.6	98.5	3.1
Chrysene	0.4	J	100.1	95.6	4.5
C1-Chrysenes		ND			
C2-Chrysenes		ND			
C3-Chrysenes		ND			
C4-Chrysenes		ND			
Benzo(b)fluoranthene	0.4	J	105.7	100.3	5.3
Benzo(k)fluoranthene	0.5	J	98.5	83.0	17.0
Benzo(e)pyrene	0.6	J	111.1	105.6	5.1
Benzo(a)pyrene	0.8	J	94.9	96.0	1.2
Perylene	0.8	J	104.4	90.9	13.8
Indeno(1,2,3-c,d)pyrene	1.3	J	96.6	94.4	2.3
Dibenzo(a,h)anthracene	1.8	J	95.4	98.4	3.0
Benzo(g,h,i)perylene	1.9	J	96.8	99.5	2.8
2-Methylnaphthalene	2.3	J	100.1	105.0	4.8
1-Methylnaphthalene	1.5	J	97.0	105.3	8.2
2,6-Dimethylnaphthalene	0.9	J	101.6	100.5	1.1
1,6,7-Trimethylnaphthalene		ND	102.7	106.5	3.6
1-Methylphenanthrene		ND	106.4	101.3	4.9
			102.2	**100.3**	**4.2**

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : W00002.D
Acq On : 1 Aug 2008 4:37 pm
Operator : mackan
Sample : GERG OIL
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 12:26:53 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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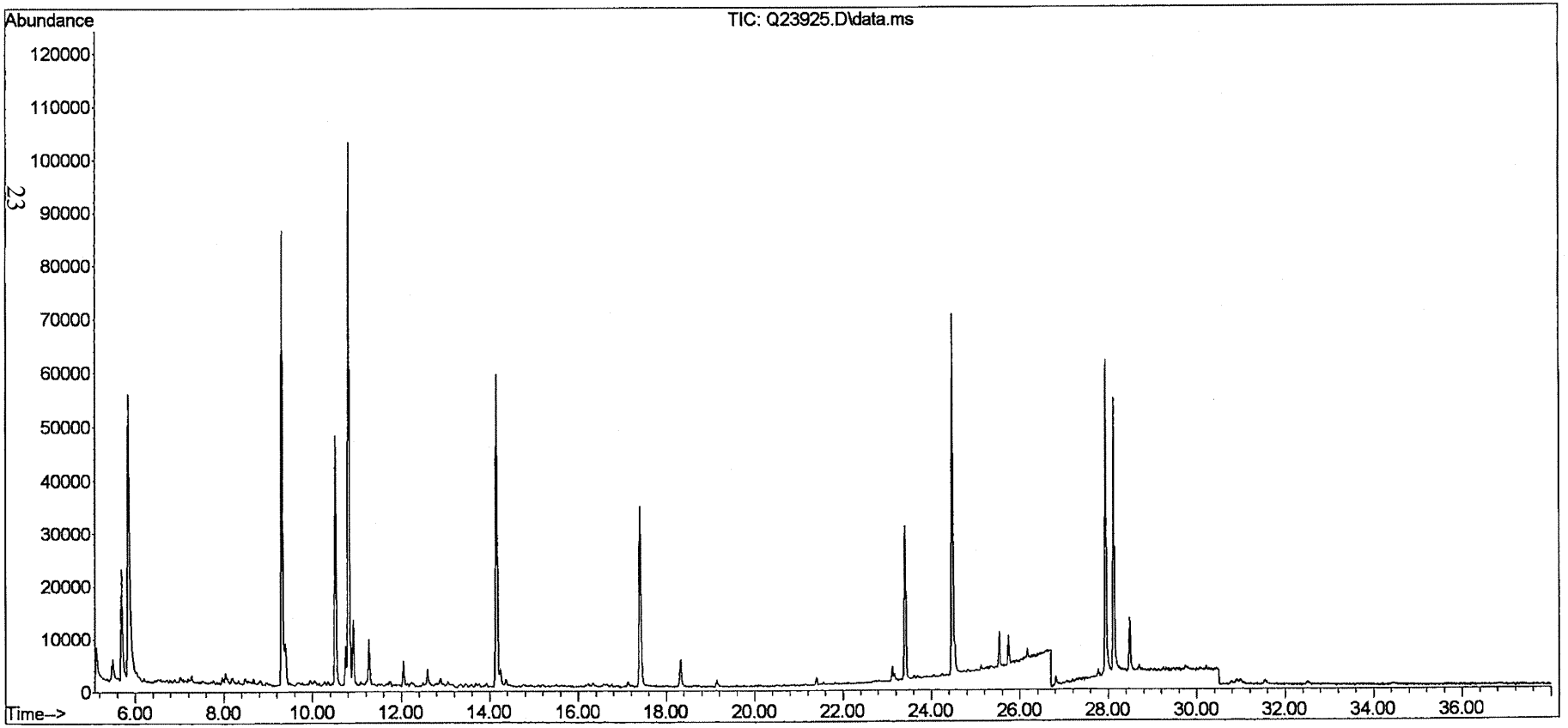
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : Q23925.D
Acq On : 1 Aug 2008 6:03 pm
Operator : mackan
Sample : BLANK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:56:54 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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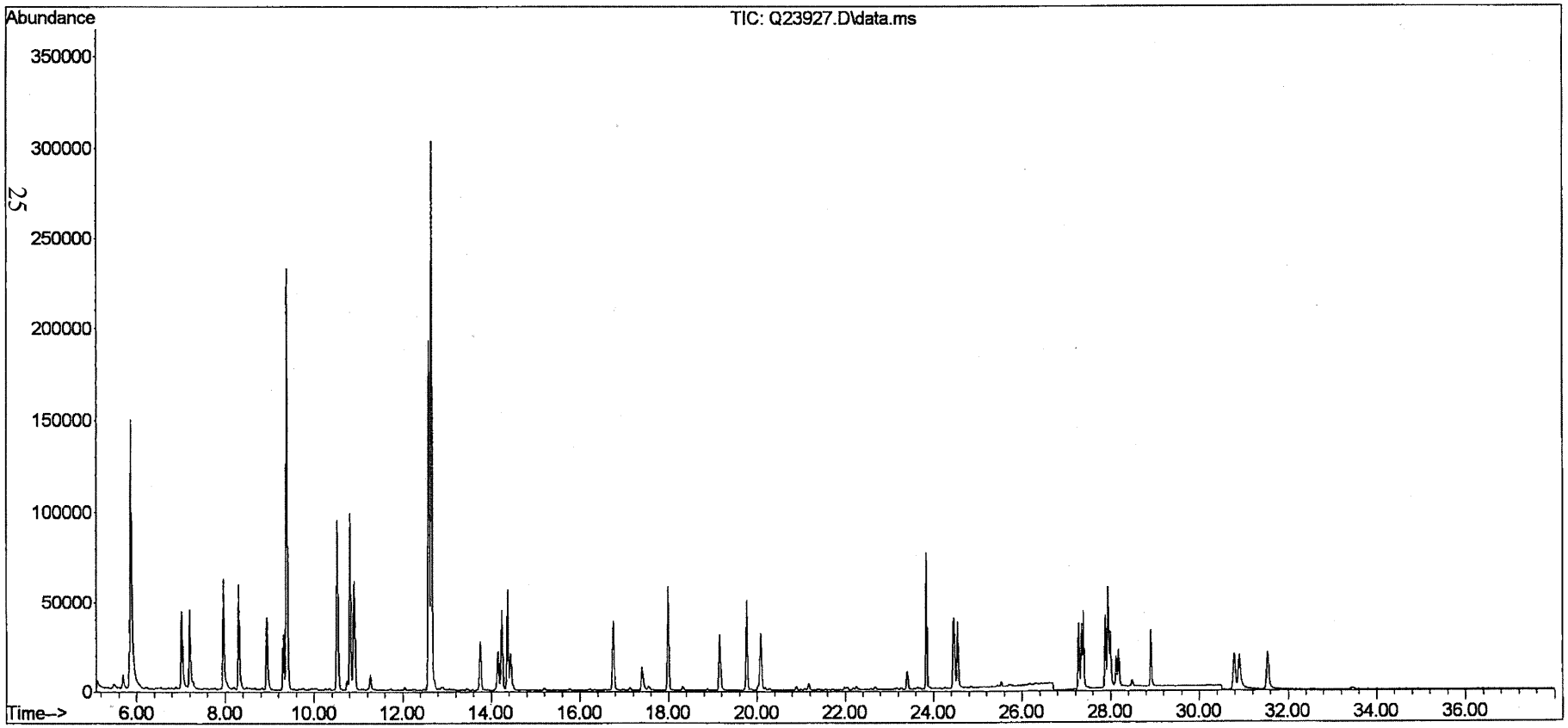
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : Q23927.D
Acq On : 1 Aug 2008 7:29 pm
Operator : mackan
Sample : LBSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 12:48:28 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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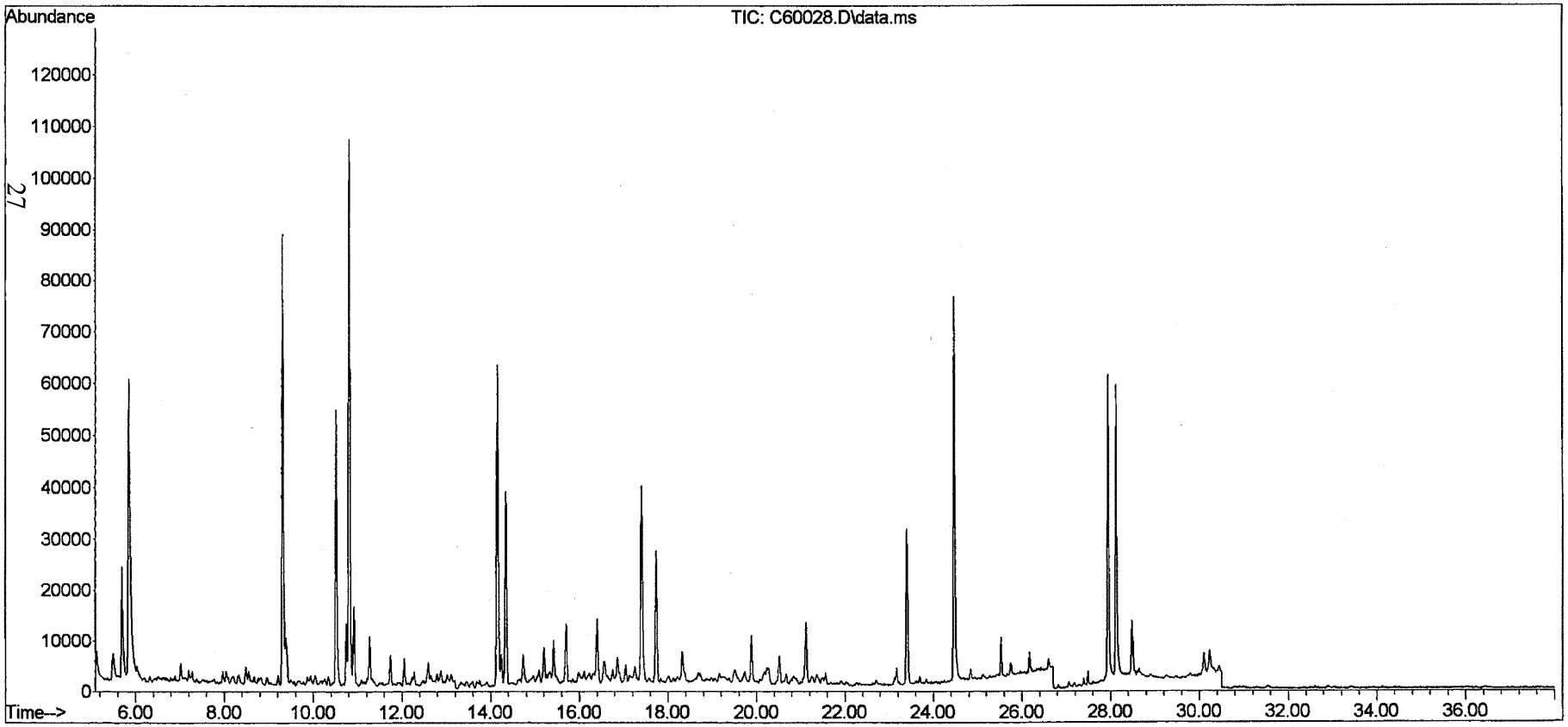
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60028.D
Acq On : 1 Aug 2008 8:55 pm
Operator : mackan
Sample : MOA08PAH002
Misc :
ALS Vial : 8 Sample Multiplier: 0.961538

Quant Time: Aug 05 15:25:19 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration

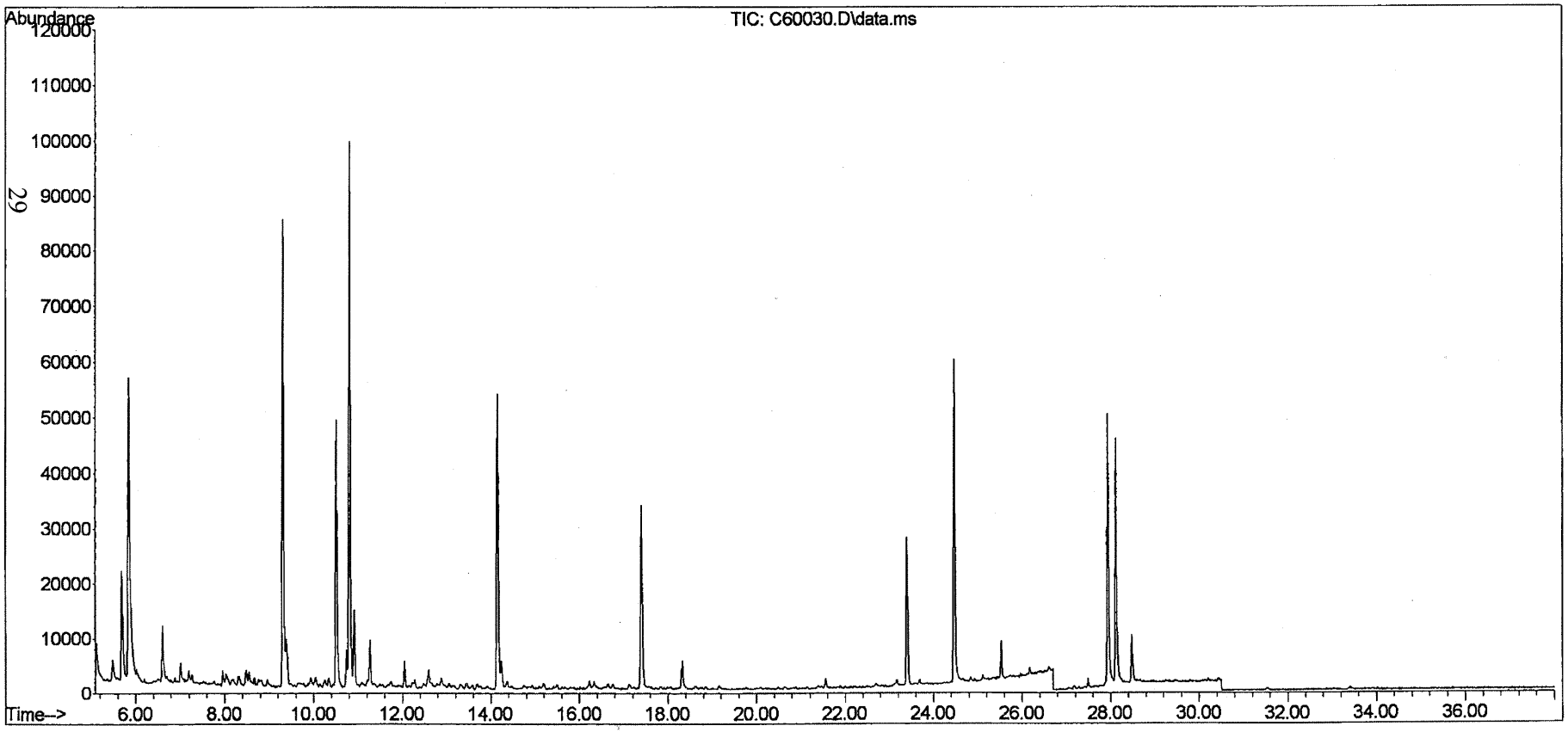


27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60030.D
Acq On : 1 Aug 2008 10:21 pm
Operator : mackan
Sample : MOA08PAH004
Misc :
ALS Vial : 10 Sample Multiplier: 0.961538

Quant Time: Aug 05 16:00:57 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration

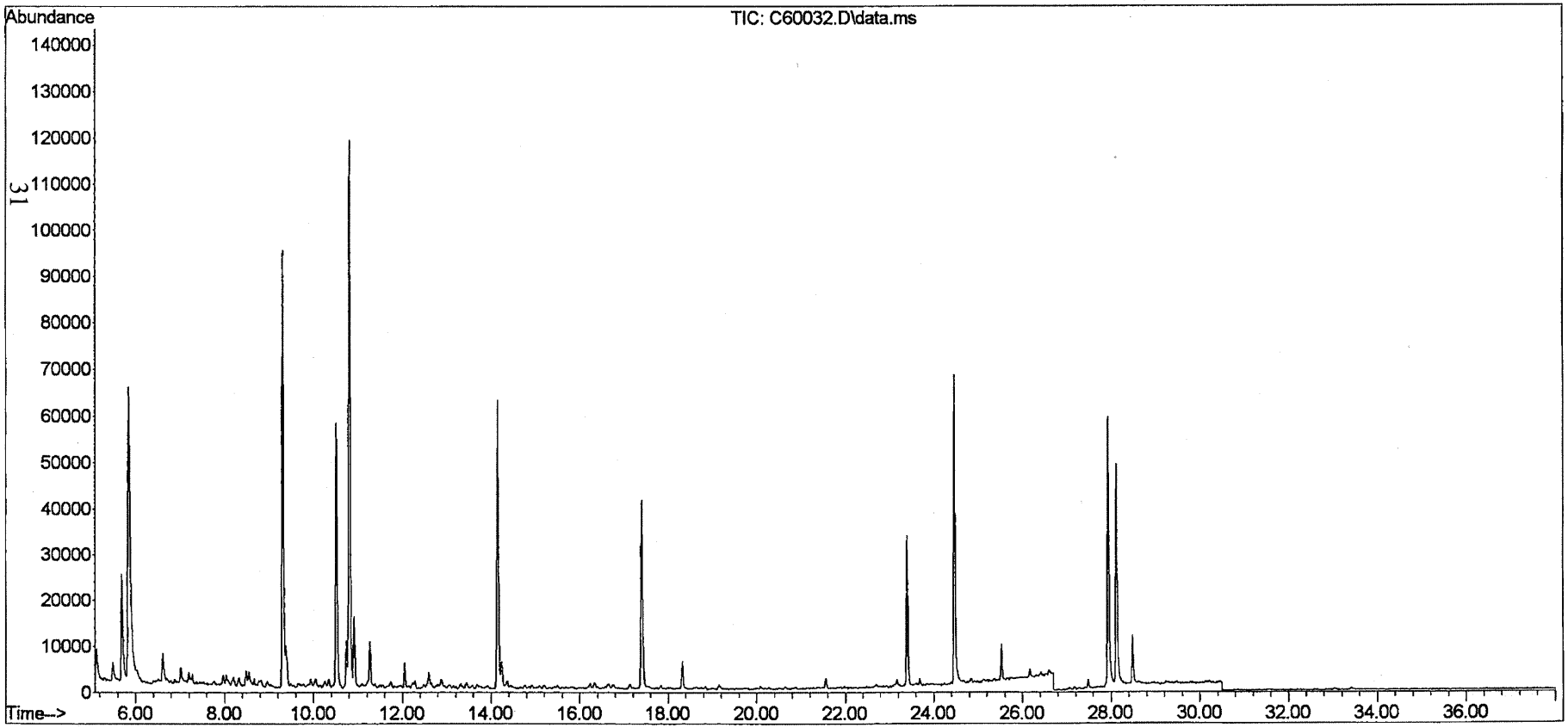


29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60032.D
Acq On : 1 Aug 2008 11:47 pm
Operator : mackan
Sample : MOA08PAH006
Misc :
ALS Vial : 12 Sample Multiplier: 0.961538

Quant Time: Aug 05 16:33:55 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration

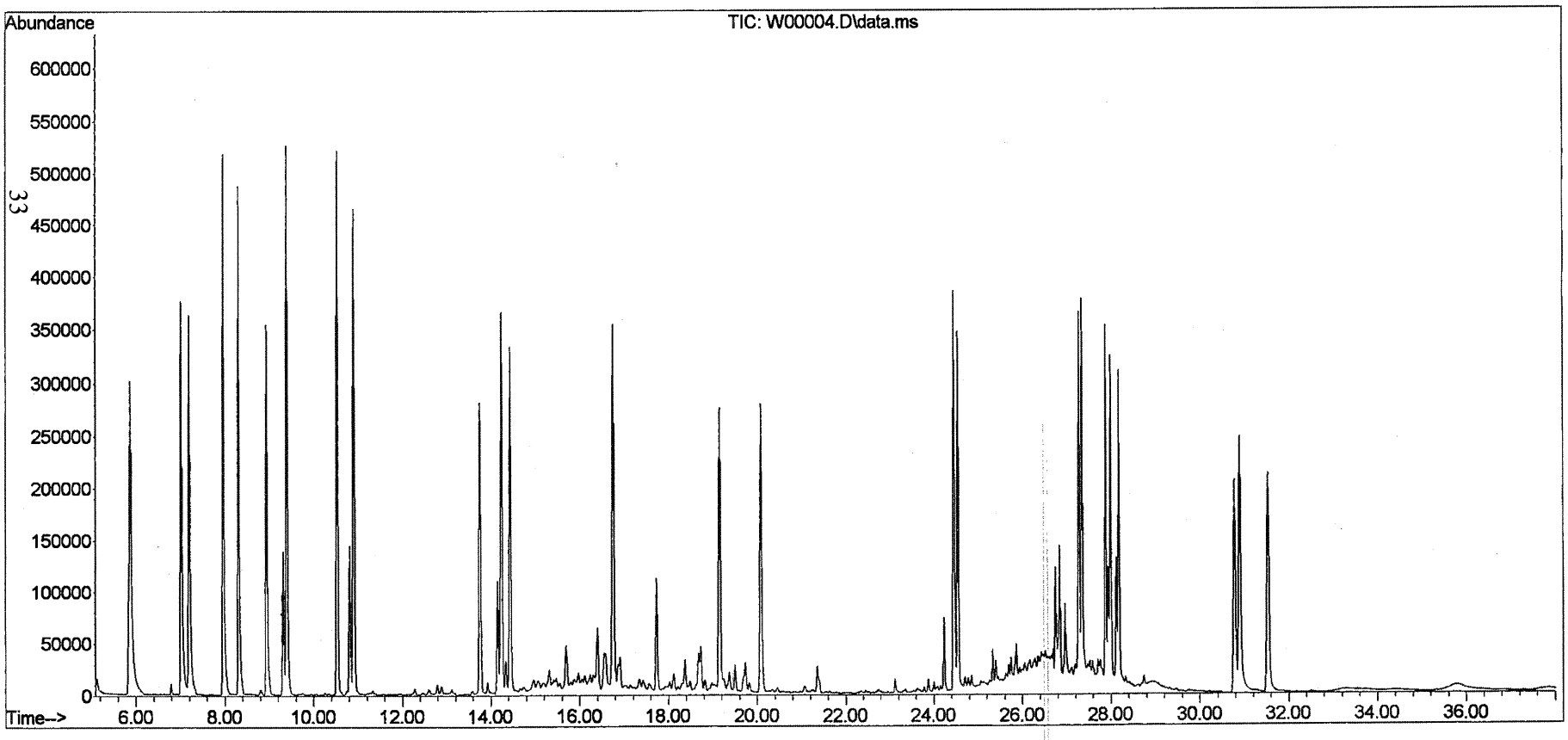


31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : W00004.D
Acq On : 2 Aug 2008 2:39 am
Operator : mackan
Sample : CAL 250
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 11:35:24 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



33

GEOCHEMICAL & ENVIRONMENTAL RESEARCH GROUP

GERG

College of Geosciences
Texas A&M University

Kinnetic Laboratories

Municipality of Anchorage 2008 Sampling

Case Narrative: PAH

Analytical Report No. I6627-A

I. Background

Seven water samples were received in duplicate under chain of custody in one sample delivery group on June 20, 2008. Samples were logged in under chain of custody and stored at 4°C. One water sample of each duplicate pair was extracted and analyzed for polynuclear aromatic hydrocarbons (PAHs) as requested.

II. Analysis Request

A. Standard Operating Procedures

The water samples were extracted and analyzed following the protocol contained in the following SOP used at GERG:

SOP-0001

Extracting of Water Samples for the Analysis of Organic Compounds Using the Separatory Funnel Technique. Rev. 1 as of March 1, 2000.

SOP-9733

Quantitative Determination Of Polynuclear Aromatic Hydrocarbons By Gas Chromatography/Mass Spectrometry Using The Selected Ion Monitoring Mode. Rev. 3 As of October 16, 1998.

B. SOP Modifications

None needed

II. Quality Control

Calibrations for Aromatic Hydrocarbons

The analytes are calculated using an average response factor based on the form:

$$RRF\ (n) = \frac{Ax * Cqs}{Aqs * Cx}$$

The deuterated surrogates are calculated using an average response factor based on the form:

$$RRF\ (m) = \frac{Aqs * Cis}{Ais * Cqs}$$

where:

Ax = sum of the integrated ion abundances of the quantitation ions for unlabeled PAHs,

Aqs = sum of the integrated ion abundances of the quantitation ions for the deuterated quantitation standards,

Ais = sum of the integrated ion abundances of the quantitation ions for the deuterated internal standards,

Cx = concentration of the unlabeled PAH analyte in the calibration solution (ng/mL),

Cqs = concentration of the deuterated quantitation standard in the calibration solution, and

Cqs = concentration of the deuterated internal standard in the calibration solution

Calibration data used in the quantitation of detected analytes met the calibration criteria; no deviations beyond the control limits were observed. All of the calibration standards had average percent deviations less than 15%, and no analyte was greater than 25% deviation.

Example Calculations for Aromatic Hydrocarbons

A. Sample Concentration

The concentration of the target analytes and the recovery of the deuterated quantitation standards are calculated using the following equations:

$$Cx = \frac{Ax * Cqs}{Aqs * \overline{RRF\ (n)}}$$

$$\%\ Recovery = \frac{Ax * Cis * 100}{Ais * Cqs * \overline{RRF\ (m)}}$$

where:

Ax = sum of the integrated ion abundances of the quantitation ions for PAHs,

Aqs = sum of the integrated ion abundances of the quantitation ions for the deuterated quantitation standards,

Ais = sum of the integrated ion abundances of the quantitation ions for the deuterated internal standards,

Cx = concentration of the unlabeled PAHs in ng/mL

Cqs = concentration of the deuterated quantitation standard in the calibration solution,

Cis = concentration of the deuterated internal standard in the calibration solution,

$\overline{RRF\ (n)}$ = mean relative response factor for the unlabeled target analyte relative to its deuterated quantitation, and

$\overline{RRF\ (m)}$ = mean relative response factor for deuterated quantitation standard relative to its deuterated internal standard.

The sample concentration is calculated using the equation:

$$conc = x * df / wt$$

where:

conc = the concentration of the analyte of the analyte (ng/g);

x = amount of the analyte as found from solving the quadratic equation;

df = dilution factor;

wt = the sample weight in grams wet tissue.

Laboratory Qualifiers

The PAH concentrations are reported in nanograms per liter (ng/L), or parts per trillion. All of the analytical data have been qualified based on the most recent method detection limits determined (Spring 2006). A value of two times the MDL for the parent compound was used for multi-peak concentrations (i.e., MDL for C1-fluorenes is 7.3 ng/L from an MDL of 3.7 ng/L for fluorene based on a 1.0 liter water sample). Concentrations that were less than the MDL are adjusted for sample size and dilution and are qualified "J" and those analytes not detected are qualified "ND". Concentrations that exceeded the calibration limits are qualified "EC". The concentrations that are determined by analyses of a diluted aliquot are qualified "D". If the quantification of an analyte is interfered with by another analyte due to its high concentration the data will be left blank and qualified "I" to denote this interference. Analytes may be found above the three times the detection limits in the blank. These may cause possible contamination in samples that are less than ten times the observed level in the blank. These data are qualified "B" to denote this possible contamination. Measurements that are out of QA limits are qualified as "Q".

The GERG STD Check (REF Oil) is run on the instrument prior to each analytical batch. The sample is a solution of petroleum oil in methylene chloride with a concentration of about 800 mg/milliliter of solution. The GERG STD Check is used to define the retention time windows for the alkylated PAH homologue clusters; it is not a certified reference material.

The PAH concentrations are reported in nanograms per liter (ng/L), or parts per trillion. Analytes that are below the MDL are qualified in the tables as "J". Those

The PAH concentrations are reported in nanograms per liter (ng/L), or parts per trillion. Analytes that are below the MDL are qualified in the tables as "J". Those analytes not detected during the analysis are qualified as "ND". Measurements that are out of QA limits are qualified as "Q".

Analytical Difficulties

The recoveries of all surrogates were within the acceptance criteria except for the LBSD. Part of the LBSD was spilled resulting in low recoveries. The recoveries were qualified "Q". The LBS agreed well with the LBSD so no further action was taken. No analytes were detected above the MDL in the procedural blank. No further action was required. The recoveries for the spike blank and spike blank duplicate for the PAH analysis were within the QC limits. The average recoveries were 102.2 and 100.3%. The average RPD was 4.2%. The overall QA objectives were met. No further action was required. No further action was taken. No other QA variances were found for these data.

Reviewed and Approved: Terry L. Wade 8/6/8

Terry L. Wade Ph.D.

Deputy Director for Environmental Sciences

Sample Integrity Report
& Chains of Custody

Storage Location: Cooler

GERG SAMPLE RECEIVING/ INTEGRITY REPORT

Date Received: 6/20/2008

Project Name / F&W Catalog #

SDG#: I6627

Sender: Kinnetics

P.I. : I Wade **Notif. by (Name/Date):** C Starr 6/20/08

1. Number of Shipping Containers: 1

List of Broken Sample Containers:

2. Airbill Present?
No Yes

Shipping Company:
Fedex UPS DHL Other

Airbill Number:
7905 2976 8771

3. Custody Seals on Container?
No Yes Intact Not Intact

Comments:

4. Chain of Custody Records?
No Yes

Comments:

5. General Sample Condition:
Frozen Cool Unrefrigerated
Dry Ice Blue Ice Ice

Temperature: 5.0°C

6. Comments:

45 day turn around 7/30/2008 Due

7. Number of Waters: 7X2 **Number of Tissues:**_____ **Number of Sediments:**_____
Number of Other:_____ **Total Number of Samples Received:** 7

8. Problems/ Discrepancies:

9. Resolutions:

10. Checked in by: Cindy Starr **Date:** 6/20/08

KINNETIC LABORATORIES, INC
KINNETIC LABORATORIES, INC
1102 WEST 7TH AVENUE

ANCHORAGE, AK 99501

CLS053008/21/24

ActWgt: 80 LB
System#: 3116229/INET8061
Account#: S *********

Delivery Address Bar Code

SHIP TO: 979-862-2323 BILL SENDER

Terry Wade
Texas A&M GERG
833 Graham Road

College Station, TX 77845

Ref # 516.02
Invoice #
PO #
Dept #

TRK# 0201 7905 2976 8771

FRI - 20JUN A4
PRIORITY OVERNIGHT

77845
TX-US
IAH

AB CLLA

After printing this label:
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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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M. [illegible] 6/19/08

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Texas A & M GERG 833 Graham Road College Station, TX 77845 Attn: Terry Wade (979) 862-2323 ext 115	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 45 days	**P.O. #:** AK08-1009	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Extraction of water for hydrocarbon analysis (GERG SOP-8901); determination of PAH and their alkylated homologues (GERG SOP-9733).

MATRIX: Water	**Preservative:** HCl, 4°C; Station F1 samples contain L-Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PAH001	F1-1S	2	6/17/08	1415		
MOA08PAH002	F1-2S	2	6/17/08	1444		
MOA08PAH003	F1-3S	2	6/17/08	1500		
MOA08PAH004	C1-1S	2	6/18/08	1454		
MOA08PAH005	C1-2S	2	6/18/08	1512		
MOA08PAH006	C1-3S	2	6/18/08	1545		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1000	Fed-X	[illegible]	6/20/08 1030
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Texas A & M GERG 833 Graham Road College Station, TX 77845 Attn: Terry Wade (979) 862-2323	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 45 days	**P.O. #:** AK08-1009	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Extraction of water for hydrocarbon analysis (GERG SOP-8901); determination of PAH and their alkylated homologues (GERG SOP-9733).

MATRIX: Water	**Preservative:** 4°C, HCl, L- Ascorbic Acid	**Type of Container:** 1-L amber glass

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08PAH007	EFFLUENT	2	6/17/8	1206		

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/8 1150	[illegible]	[illegible]	6/18/05 1150
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/19/08 1000	Fed-x	[illegible]	6/20/08 10 30
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW_EFF08COC.wpd

Friday, June 20, 2008

SAMPLE INFORMATION SHEET

Subproject Name :

Client Name : Kinnetic

Subproject ID : 20080606 Project No :

Receive Date : 6/20/2008 Due Date : 7/30/2008

PO A : AK08-1009

PO B :

PO C :

PO D :

				FID					ECD	FPD		MS				HRMS		LABORATORY								AA			IRMS	OTHER				
Gerg ID	Client ID	SDG	M	TP	AL	CF	WO	HS	OC	AC	TB	AR	VO	BS	BA	CP	DF	SP	DW	PL	OG	GS	AV	TV	CN	CV	AM	PM	FM	IS	BM	FL	TC	UL
C60027	MOA08PAH001	I6627	Wat									A						A																
C60028	MOA08PAH002	I6627	Wat									A						A																
C60029	MOA08PAH003	I6627	Wat									A						A																
C60030	MOA08PAH004	I6627	Wat									A						A																
C60031	MOA08PAH005	I6627	Wat									A						A																
C60032	MOA08PAH006	I6627	Wat									A						A																
C60033	MOA08PAH007	I6627	Wat									A						A																
Total Samples:	7			0	0	0	0	0	0	0	0	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Friday, June 20, 2008

SAMPLE IDENTIFICATION

Subproject Name :

Client Name : Kinnetic

Subproject ID : 20080606

Receive Date : 6/20/2008 Due Date : 7/30/2008

PO A : AK08-1009

PO B :

PO C :

PO D :

Gerg ID	Sample ID	SDG	Matrix	Sample Description
C60027	MOA08PAH001	I6627	Water	
C60028	MOA08PAH002	I6627	Water	
C60029	MOA08PAH003	I6627	Water	
C60030	MOA08PAH004	I6627	Water	
C60031	MOA08PAH005	I6627	Water	
C60032	MOA08PAH006	I6627	Water	
C60033	MOA08PAH007	I6627	Water	

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Total Samples : 7

Aromatic Hydrocarbon Data

Kinnetic Effluent Waters

	MOA08PAH00	MOA08PAH00	MOA08PAH00	MOA08PAH00
Client Sample ID	1	2	3	4
Sample Descriptor				
Original Sample				
GERG ID	C60027	C60028	C60029	C60030
Sample Type	SAMP	SAMP	SAMP	SAMP
SDG	I6627	I6627	I6627	I6627
Volume	1.04	1.04	1.04	1.04
Sample Size Units	Liters	Liters	Liters	Liters
Matrix	Water	Water	Water	Water
% solid				
% Lipid				
Reporting Units	ng/L	ng/L	ng/L	ng/L
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet
QC Batch ID	M3548	M3548	M3548	M3548
Method	GCMS	GCMS	GCMS	GCMS
Collection Date				
Receive Date	06/20/08	06/20/08	06/20/08	06/20/08
Extraction Date	06/27/08	06/27/08	06/27/08	06/27/08
Analysis Date	08/01/08	08/01/08	08/01/08	08/01/08
Surrogate Compounds	**%Recovery**	**%Recovery**	**%Recovery**	**%Recovery**
d8-Naphthalene	89.4	95.5	93.5	89.7
d10-Acenaphthene	86.8	88.8	90.4	85.7
d10-Phenanthrene	80.1	82.5	83.1	75.7
d12-Chrysene	102.6	94.2	83.9	80.8
d12-Perylene	99.8	88.0	80.3	77.4
Total PAHs	**Concentration**	**Concentration**	**Concentration**	**Concentration**
Total PAHs with Perylene	72.4	83.2	83.9	72.9
Total PAHs without Perylene	71.2	81.8	82.9	71.8
Total NS&T PAHs	31.4	36.4	33.1	32.6

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

	MOA08PAH00		MOA08PAH00		MOA08PAH00		MOA08PAH00	
Client Sample ID	1		2		3		4	
Sample Descriptor								
Original Sample								
GERG ID	C60027		C60028		C60029		C60030	
Sample Type	SAMP		SAMP		SAMP		SAMP	
SDG	I6627		I6627		I6627		I6627	
PAH Compounds	**Concentration**		**Concentration**		**Concentration**		**Concentration**	
Naphthalene	3.8	J	8.1		6.2		4.9	J
C1-Naphthalenes	5.3	J	6.3	J	6.2	J	6.8	J
C2-Naphthalenes	4.9		5.8		6.3		6.4	
C3-Naphthalenes	5.5	J	6.1	J	5.5	J	6.5	J
C4-Naphthalenes	2.3	J	2.5	J	2.0	J	2.6	J
Biphenyl	1.7	J	1.7	J	2.0	J	2.3	J
Acenaphthylene	0.3	J	0.4	J	0.3	J	0.3	J
Acenaphthene	2.3	J	2.4	J	2.4	J	2.5	J
Fluorene	1.2	J	1.6	J	1.3	J	1.4	J
C1-Fluorenes	2.0	J	3.0	J	3.4	J	1.9	J
C2-Fluorenes	2.0	J	2.0	J	2.6	J	1.7	J
C3-Fluorenes	1.6	J		ND		ND		ND
Phenanthrene	5.2		5.9		5.4		5.7	
Anthracene	0.4	J	0.5	J	0.5	J	0.3	J
C1-Phenanthrenes/Anthracenes	4.1	J	5.0	J	6.7	J	4.8	J
C2-Phenanthrenes/Anthracenes	2.7	J	4.8	J	4.3	J	3.2	J
C3-Phenanthrenes/Anthracenes	3.5	J	6.7	J	5.5	J	2.6	J
C4-Phenanthrenes/Anthracenes		ND	1.3	J	0.9	J		ND
Dibenzothiophene	0.6	J	0.8	J	0.6	J	0.7	J
C1-Dibenzothiophenes	2.2	J	2.3	J	3.8	J	1.3	J
C2-Dibenzothiophenes	1.7	J	2.5	J	3.4	J	1.6	J
C3-Dibenzothiophenes	1.3	J	1.7	J	3.1	J		ND
Fluoranthene	1.6	J	1.5	J	1.1	J	0.8	J
Pyrene	2.1	J	1.1	J	1.0	J	0.8	J
C1-Fluoranthenes/Pyrenes	1.4	J	1.3	J	1.0	J	1.0	J
C2-Fluoranthenes/Pyrenes	1.2	J		ND		ND	1.3	J
C3-Fluoranthenes/Pyrenes	0.4	J		ND		ND	0.8	J
Benzo(a)anthracene	0.5	J	0.4	J	0.5	J	0.4	J
Chrysene	0.7	J	0.6	J	0.6	J	0.7	J
C1-Chrysenes	1.3	J	1.0	J	1.1	J	1.3	J
C2-Chrysenes		ND	1.1	J	2.0	J	1.9	J
C3-Chrysenes		ND		ND		ND	2.0	J
C4-Chrysenes		ND		ND		ND		ND
Benzo(b)fluoranthene	0.7	J	0.6	J	0.6	J	0.5	J
Benzo(k)fluoranthene	0.4	J	0.2	J	0.1	J	0.2	J
Benzo(e)pyrene	1.0	J	0.5	J	0.5	J	0.4	J
Benzo(a)pyrene	0.5	J	0.4	J	0.3	J	0.4	J
Perylene	1.2	J	1.4	J	1.0	J	1.0	J
Indeno(1,2,3-c,d)pyrene	1.1	J	0.6	J	0.4	J	0.4	J
Dibenzo(a,h)anthracene	0.9	J	0.5	J	0.5	J	0.6	J
Benzo(g,h,i)perylene	3.0	J	0.8	J	1.2	J	0.9	J
2-Methylnaphthalene	3.3	J	3.9	J	3.8	J	4.3	J
1-Methylnaphthalene	2.0	J	2.4	J	2.3	J	2.5	J
2,6-Dimethylnaphthalene	2.0	J	2.4		2.4		2.5	
1,6,7-Trimethylnaphthalene	1.5	J	1.9	J	1.8	J	1.6	J
1-Methylphenanthrene	1.2	J	1.2	J	1.3	J	1.1	J

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

Client Sample ID	MOA08PAH005	MOA08PAH006	MOA08PAH007
Sample Descriptor			
Original Sample			
GERG ID	C60031	C60032	C60033
Sample Type	SAMP	SAMP	SAMP
SDG	I6627	I6627	I6627
Volume	1.02	1.04	1.10
Sample Size Units	Liters	Liters	Liters
Matrix	Water	Water	Water
% solid			
% Lipid			
Reporting Units	ng/L	ng/L	ng/L
Calculation Basis (dry/wet)	Wet	Wet	Wet
QC Batch ID	M3548	M3548	M3548
Method	GCMS	GCMS	GCMS
Collection Date			
Receive Date	06/20/08	06/20/08	06/20/08
Extraction Date	06/27/08	06/27/08	06/27/08
Analysis Date	08/01/08	08/01/08	08/02/08
Surrogate Compounds	**%Recovery**	**%Recovery**	**%Recovery**
d8-Naphthalene	82.4	91.6	98.8
d10-Acenaphthene	82.2	83.4	95.4
d10-Phenanthrene	73.6	74.8	92.6
d12-Chrysene	77.6	83.5	100.4
d12-Perylene	66.8	72.5	83.2
Total PAHs	**Concentration**	**Concentration**	**Concentration**
Total PAHs with Perylene	90.1	71.2	3887.9
Total PAHs without Perylene	88.3	70.3	3880.0
Total NS&T PAHs	48.6	38.7	2138.4

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

	MOA08PAH00		MOA08PAH00		MOA08PAH00	
Client Sample ID	5		6		7	
Sample Descriptor						
Original Sample						
GERG ID	C60031		C60032		C60033	
Sample Type	SAMP		SAMP		SAMP	
SDG	I6627		I6627		I6627	
PAH Compounds	**Concentration**		**Concentration**		**Concentration**	
Naphthalene	17.3		14.0		254.4	
C1-Naphthalenes	7.0	J	5.8	J	274.5	
C2-Naphthalenes	7.3		5.1		223.4	
C3-Naphthalenes	7.2	J	5.6	J	199.3	
C4-Naphthalenes	3.0	J	2.8	J	82.3	
Biphenyl	2.3	J	1.8	J	35.5	
Acenaphthylene	0.4	J	0.2	J	5.2	
Acenaphthene	2.5	J	2.2	J	98.6	
Fluorene	1.5	J	1.3	J	94.2	
C1-Fluorenes	1.8	J	1.5	J	85.2	
C2-Fluorenes	1.7	J	1.8	J	133.1	
C3-Fluorenes		ND		ND	82.1	
Phenanthrene	6.8		5.5		486.8	
Anthracene	0.4	J	0.2	J	55.5	
C1-Phenanthrenes/Anthracenes	4.3	J	4.0	J	194.5	
C2-Phenanthrenes/Anthracenes	4.0	J	3.0	J	163.5	
C3-Phenanthrenes/Anthracenes	2.9	J	2.3	J	116.0	
C4-Phenanthrenes/Anthracenes		ND		ND	33.8	
Dibenzothiophene	0.9	J	0.8	J	35.5	
C1-Dibenzothiophenes	1.6	J	1.2	J	67.3	
C2-Dibenzothiophenes	1.6	J	1.6	J	58.2	
C3-Dibenzothiophenes	1.8	J	1.6	J	61.4	
Fluoranthene	1.4	J	0.9	J	289.0	
Pyrene	1.0	J	0.8	J	241.2	
C1-Fluoranthenes/Pyrenes	0.9	J	0.8	J	77.6	
C2-Fluoranthenes/Pyrenes	0.9	J	1.0	J	27.9	
C3-Fluoranthenes/Pyrenes	0.6	J		ND	9.4	J
Benzo(a)anthracene	0.4	J	0.4	J	49.0	
Chrysene	1.0	J	0.6	J	52.5	
C1-Chrysenes	1.8	J	0.9	J	50.0	
C2-Chrysenes	0.9	J		ND	51.9	
C3-Chrysenes	0.8	J		ND	44.9	
C4-Chrysenes		ND		ND		ND
Benzo(b)fluoranthene	0.5	J	0.6	J	41.3	
Benzo(k)fluoranthene	0.1	J	0.1	J	13.4	
Benzo(e)pyrene	0.4	J	0.4	J	25.1	
Benzo(a)pyrene	0.4	J	0.3	J	21.1	
Perylene	1.8	J	1.0	J	7.9	J
Indeno(1,2,3-c,d)pyrene	0.3	J	0.3	J	23.0	
Dibenzo(a,h)anthracene	0.2	J	0.2	J	6.5	
Benzo(g,h,i)perylene	0.5	J	0.5	J	16.0	
2-Methylnaphthalene	4.3	J	3.5	J	157.9	
1-Methylnaphthalene	2.8	J	2.2	J	116.6	
2,6-Dimethylnaphthalene	2.7		2.2		99.0	
1,6,7-Trimethylnaphthalene	1.7	J	1.1	J	44.6	
1-Methylphenanthrene	1.5	J	1.1	J	47.7	

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

Client Sample ID				
Sample Descriptor	Proc Blank	Blank Spike	Blank Spike Dup	
Original Sample				
GERG ID	Q23925	Q23926	Q23927	
Sample Type	BLANK	LBS	LBSD	MSDRPD
SDG				
Volume	1.00	1.00	1.00	
Sample Size Units	Liters	Liters	Liters	
Matrix				**%RPD**
% solid				
% Lipid				
Reporting Units	ng/L	%	%	
Calculation Basis (dry/wet)	Wet	Wet	Wet	
QC Batch ID	M3548	M3548	M3548	
Method	GCMS	GCMS	GCMS	
Collection Date				
Receive Date				
Extraction Date	06/27/08	06/27/08	06/27/08	
Analysis Date	08/01/08	08/01/08	08/01/08	
Surrogate Compounds	**% Recovery**	**% Recovery**	**% Recovery**	
d8-Naphthalene	81.9	86.5	33.2	Q
d10-Acenaphthene	78.6	78.8	31.8	Q
d10-Phenanthrene	70.5	76.6	29.3	Q
d12-Chrysene	83.2	82.7	30.9	Q
d12-Perylene	74.9	74.7	27.7	Q
Total PAHs	**Concentration**	**Concentration**	**Concentration**	
Total PAHs with Perylene	25.7	NA	NA	
Total PAHs without Perylene	24.8	NA	NA	
Total NS&T PAHs	21.5	NA	NA	

ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Kinnetic Effluent Waters

Client Sample ID					
Sample Descriptor	Proc Blank		Blank Spike	Blank Spike Dup	
Original Sample					
GERG ID	Q23925		Q23926	Q23927	
Sample Type	BLANK		LBS	LBSD	MSDRPD
SDG					
PAH Compounds	**Concentration**		**% Recovery**	**% Recovery**	**%RPD**
Naphthalene	3.8	J	101.3	105.2	3.9
C1-Naphthalenes	3.8	J			
C2-Naphthalenes		ND			
C3-Naphthalenes		ND			
C4-Naphthalenes		ND			
Biphenyl	1.2	J	104.1	103.6	0.5
Acenaphthylene	0.4	J	101.7	98.8	2.9
Acenaphthene	1.8	J	103.8	102.0	1.7
Fluorene	0.9	J	104.5	105.4	0.8
C1-Fluorenes		ND			
C2-Fluorenes		ND			
C3-Fluorenes		ND			
Phenanthrene	3.2	J	105.5	105.6	0.1
Anthracene	0.3	J	97.3	97.4	0.2
C1-Phenanthrenes/Anthracenes		ND			
C2-Phenanthrenes/Anthracenes		ND			
C3-Phenanthrenes/Anthracenes		ND			
C4-Phenanthrenes/Anthracenes		ND			
Dibenzothiophene	0.6	J	105.1	102.7	2.3
C1-Dibenzothiophenes		ND			
C2-Dibenzothiophenes		ND			
C3-Dibenzothiophenes		ND			
Fluoranthene	0.5	J	107.2	102.1	4.8
Pyrene	0.3	J	111.6	104.0	7.0
C1-Fluoranthenes/Pyrenes		ND			
C2-Fluoranthenes/Pyrenes		ND			
C3-Fluoranthenes/Pyrenes		ND			
Benzo(a)anthracene	0.5	J	101.6	98.5	3.1
Chrysene	0.4	J	100.1	95.6	4.5
C1-Chrysenes		ND			
C2-Chrysenes		ND			
C3-Chrysenes		ND			
C4-Chrysenes		ND			
Benzo(b)fluoranthene	0.4	J	105.7	100.3	5.3
Benzo(k)fluoranthene	0.5	J	98.5	83.0	17.0
Benzo(e)pyrene	0.6	J	111.1	105.6	5.1
Benzo(a)pyrene	0.8	J	94.9	96.0	1.2
Perylene	0.8	J	104.4	90.9	13.8
Indeno(1,2,3-c,d)pyrene	1.3	J	96.6	94.4	2.3
Dibenzo(a,h)anthracene	1.8	J	95.4	98.4	3.0
Benzo(g,h,i)perylene	1.9	J	96.8	99.5	2.8
2-Methylnaphthalene	2.3	J	100.1	105.0	4.8
1-Methylnaphthalene	1.5	J	97.0	105.3	8.2
2,6-Dimethylnaphthalene	0.9	J	101.6	100.5	1.1
1,6,7-Trimethylnaphthalene		ND	102.7	106.5	3.6
1-Methylphenanthrene		ND	106.4	101.3	4.9
			102.2	**100.3**	**4.2**

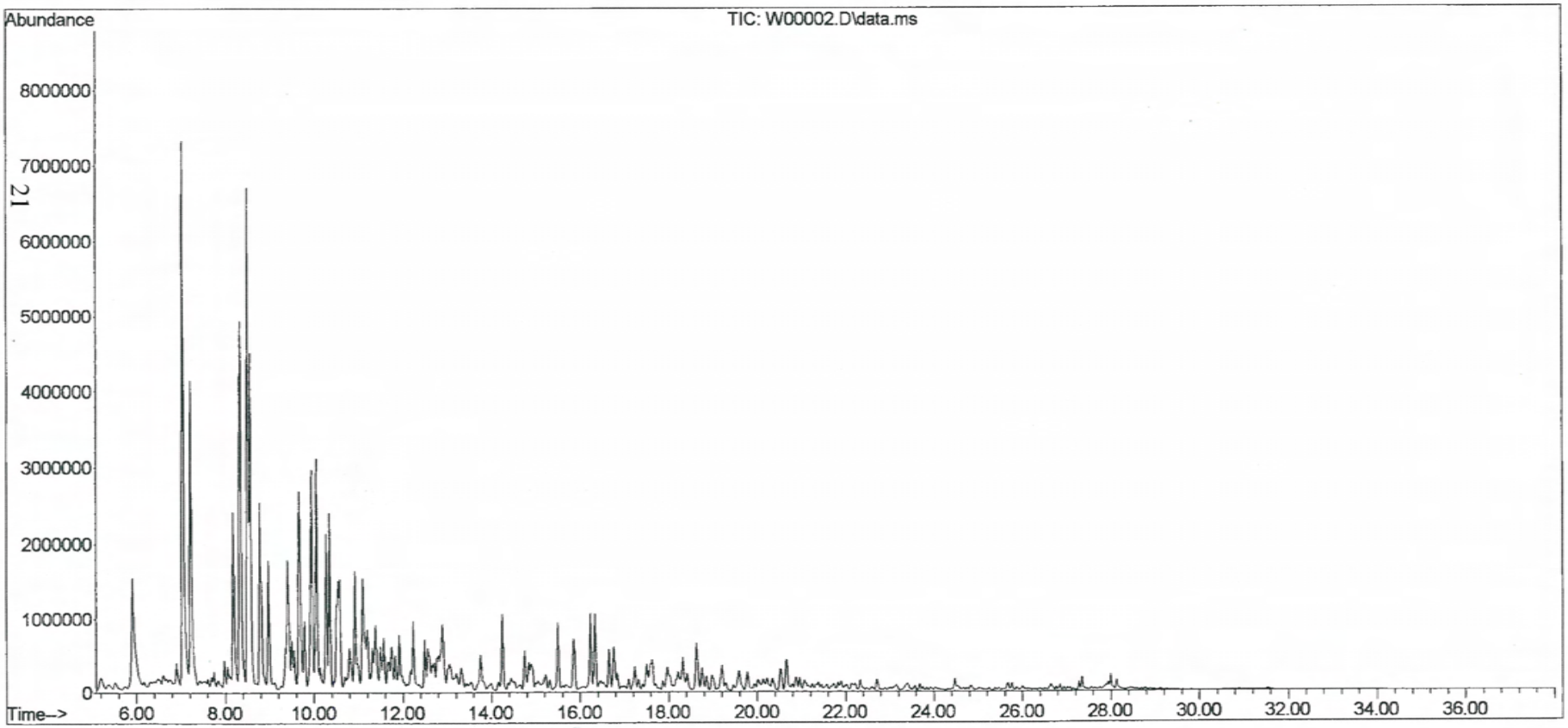
ND Not Detected
J <MDL
NA Not Applicable
Q Results Outside QC
I Interference
B Blank Contamination >3xMDL
D Dilution

Total Ion Chromatograms For PAH Analyses

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : W00002.D
Acq On : 1 Aug 2008 4:37 pm
Operator : mackan
Sample : GERG OIL
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 04 12:26:53 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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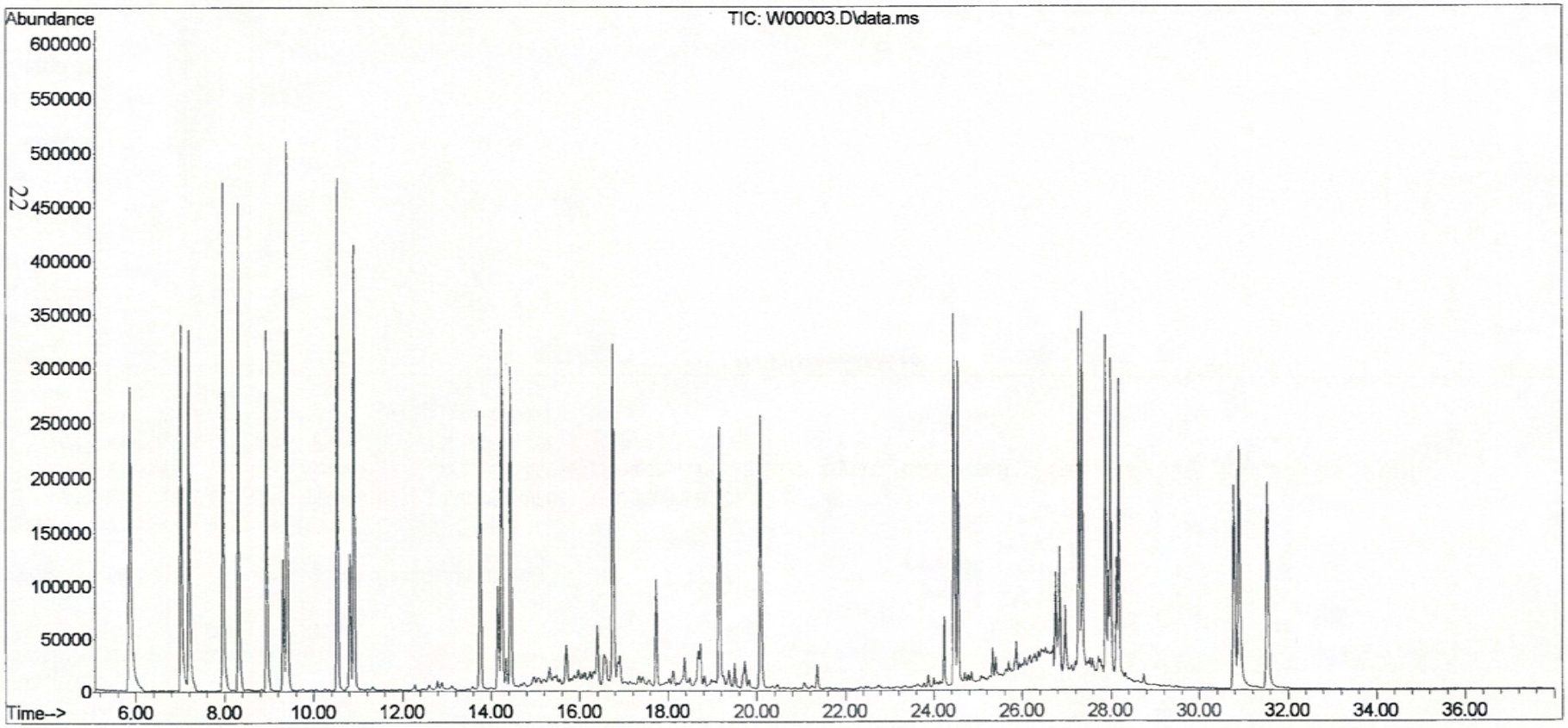
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : W00003.D
Acq On : 1 Aug 2008 5:20 pm
Operator : mackan
Sample : CAL 250
Misc :
ALS Vial : 3 Sample Multiplier: 1

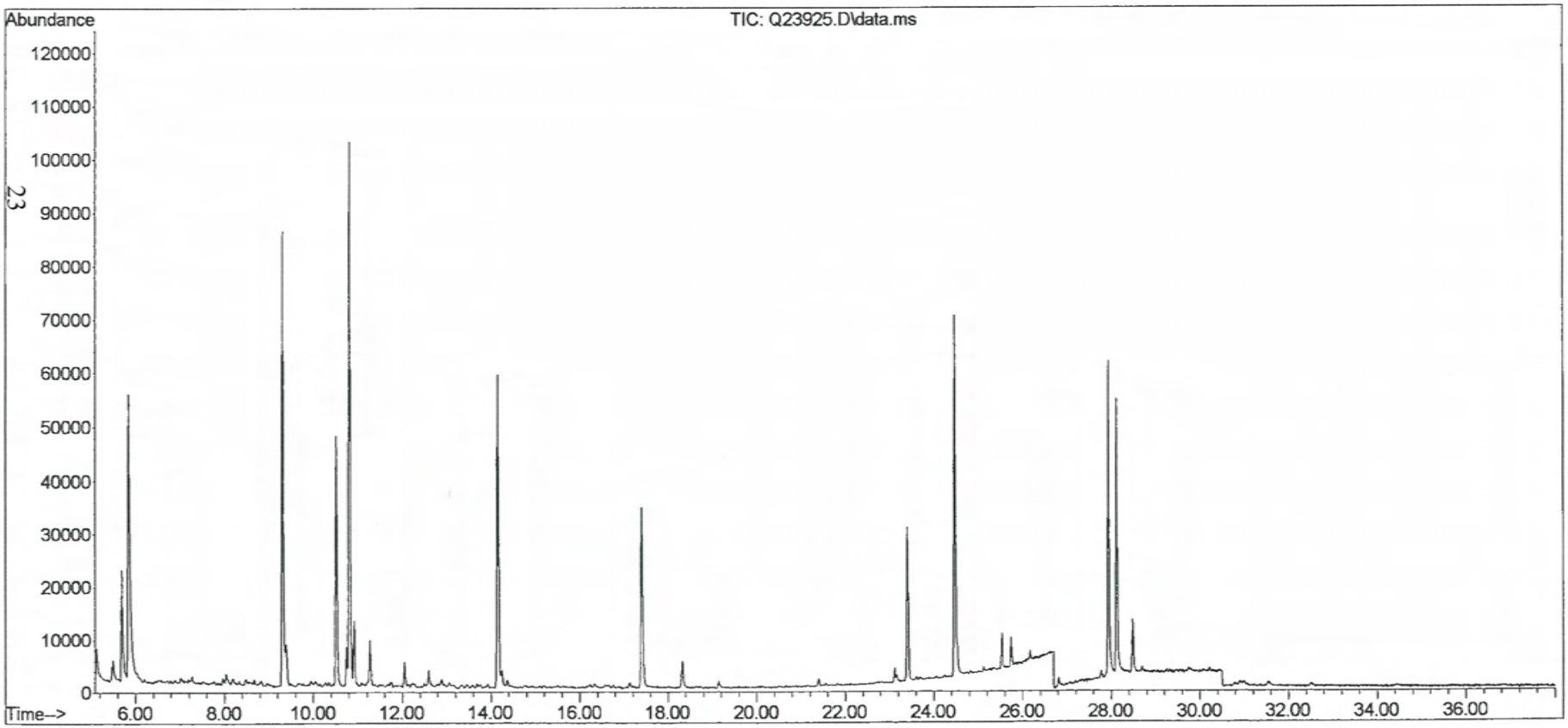
Quant Time: Aug 04 12:45:39 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : Q23925.D
Acq On : 1 Aug 2008 6:03 pm
Operator : mackan
Sample : BLANK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:56:54 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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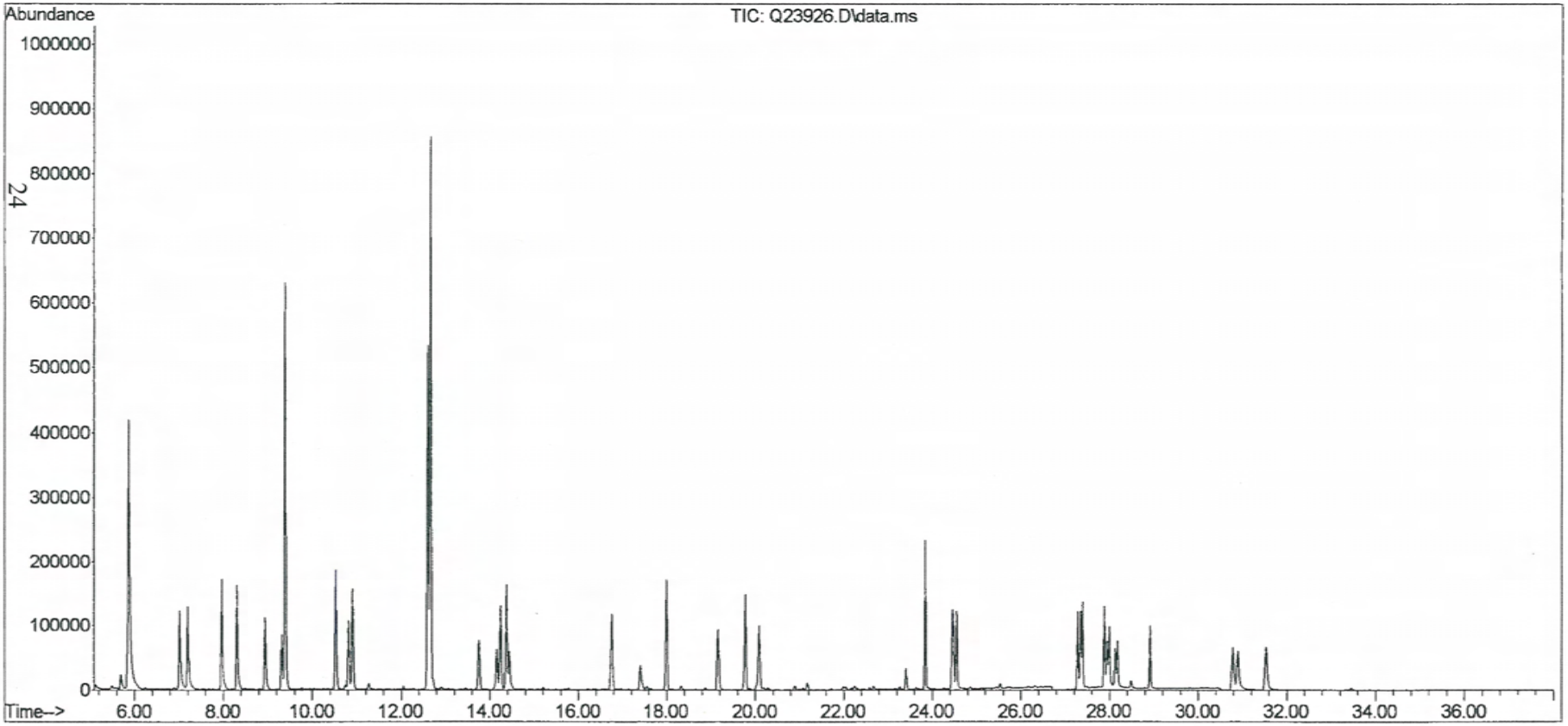
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : Q23926.D
Acq On : 1 Aug 2008 6:46 pm
Operator : mackan
Sample : LBS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 12:40:35 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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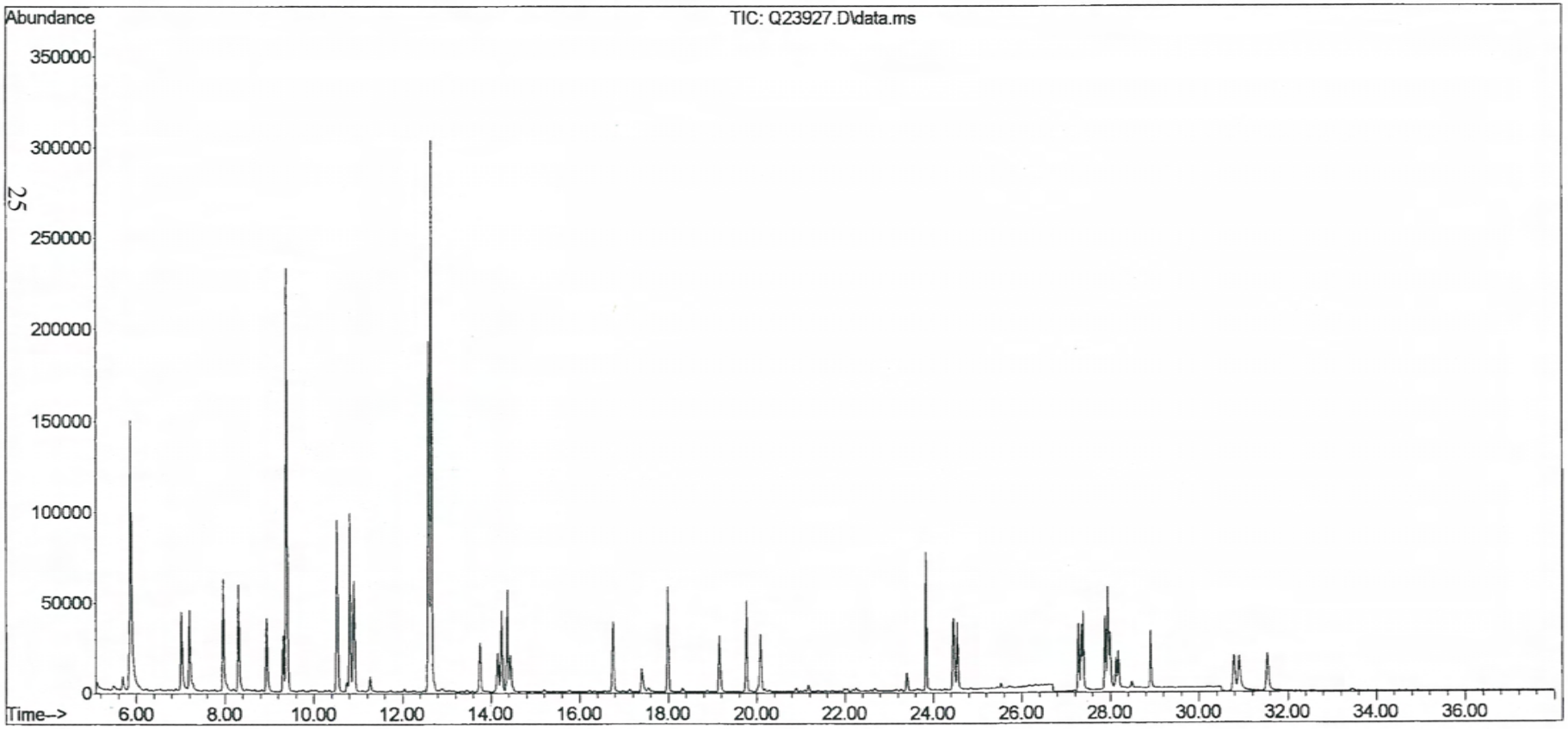
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : Q23927.D
Acq On : 1 Aug 2008 7:29 pm
Operator : mackan
Sample : LBSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 12:48:28 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration

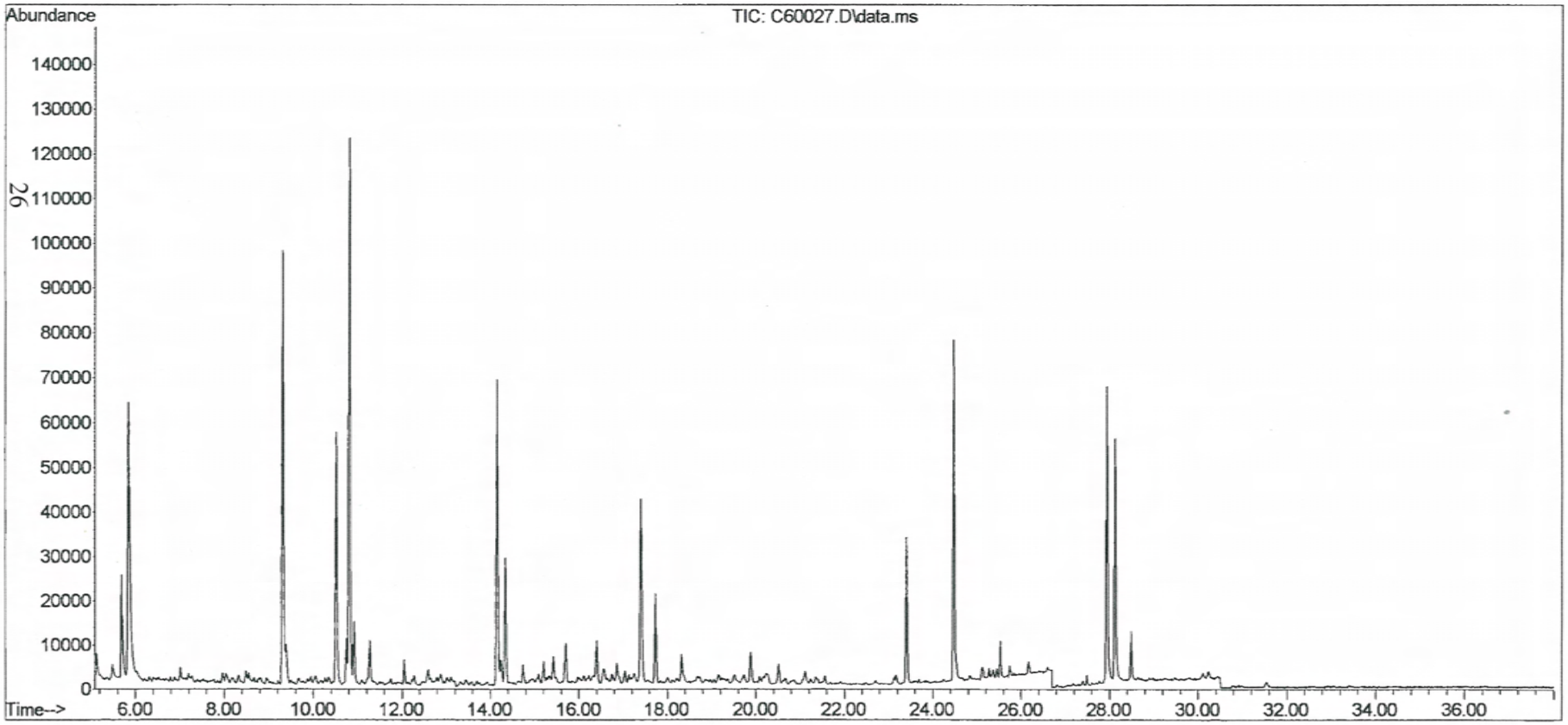


25

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60027.D
Acq On : 1 Aug 2008 8:12 pm
Operator : mackan
Sample : MOA08PAH001
Misc :
ALS Vial : 7 Sample Multiplier: 0.961538

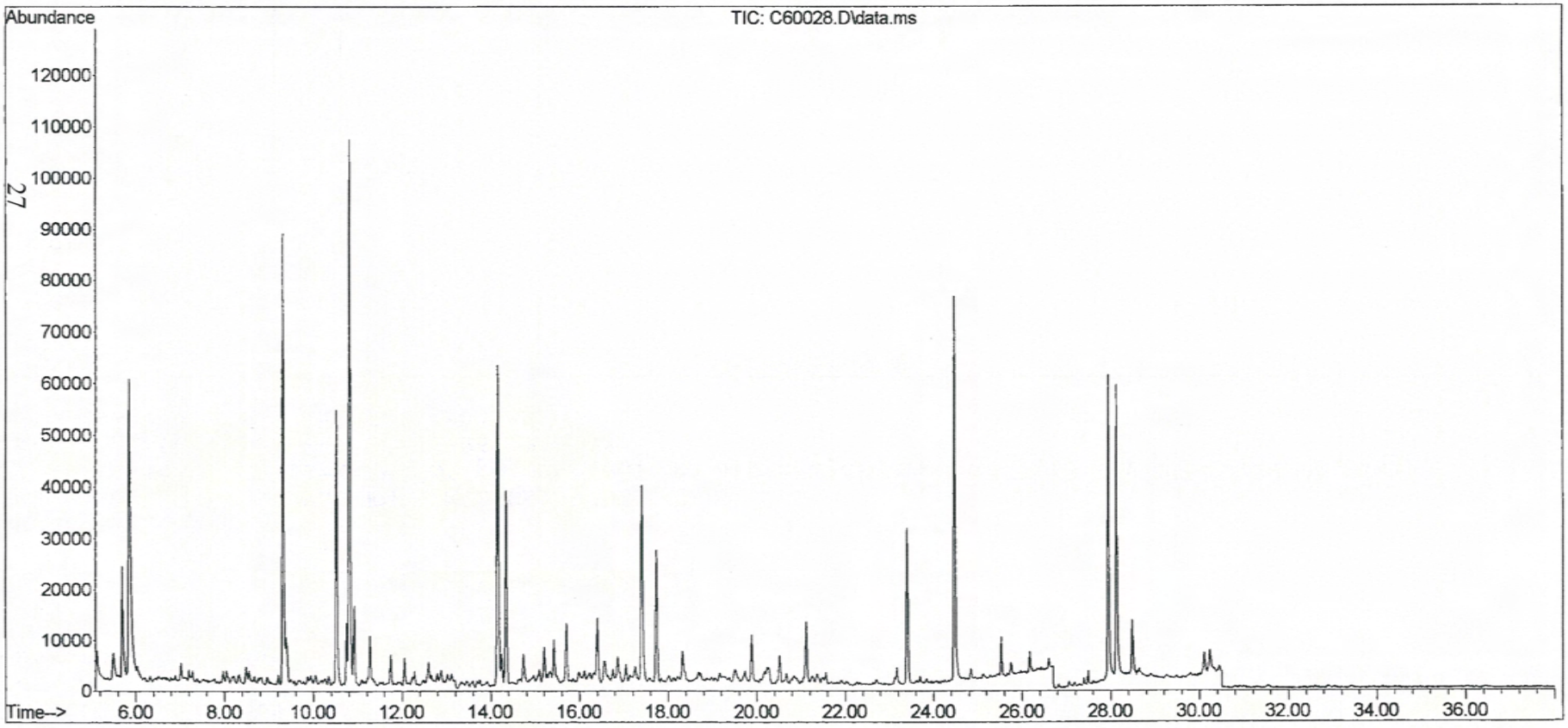
Quant Time: Aug 06 12:30:30 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60028.D
Acq On : 1 Aug 2008 8:55 pm
Operator : mackan
Sample : MOA08PAH002
Misc :
ALS Vial : 8 Sample Multiplier: 0.961538

Quant Time: Aug 05 15:25:19 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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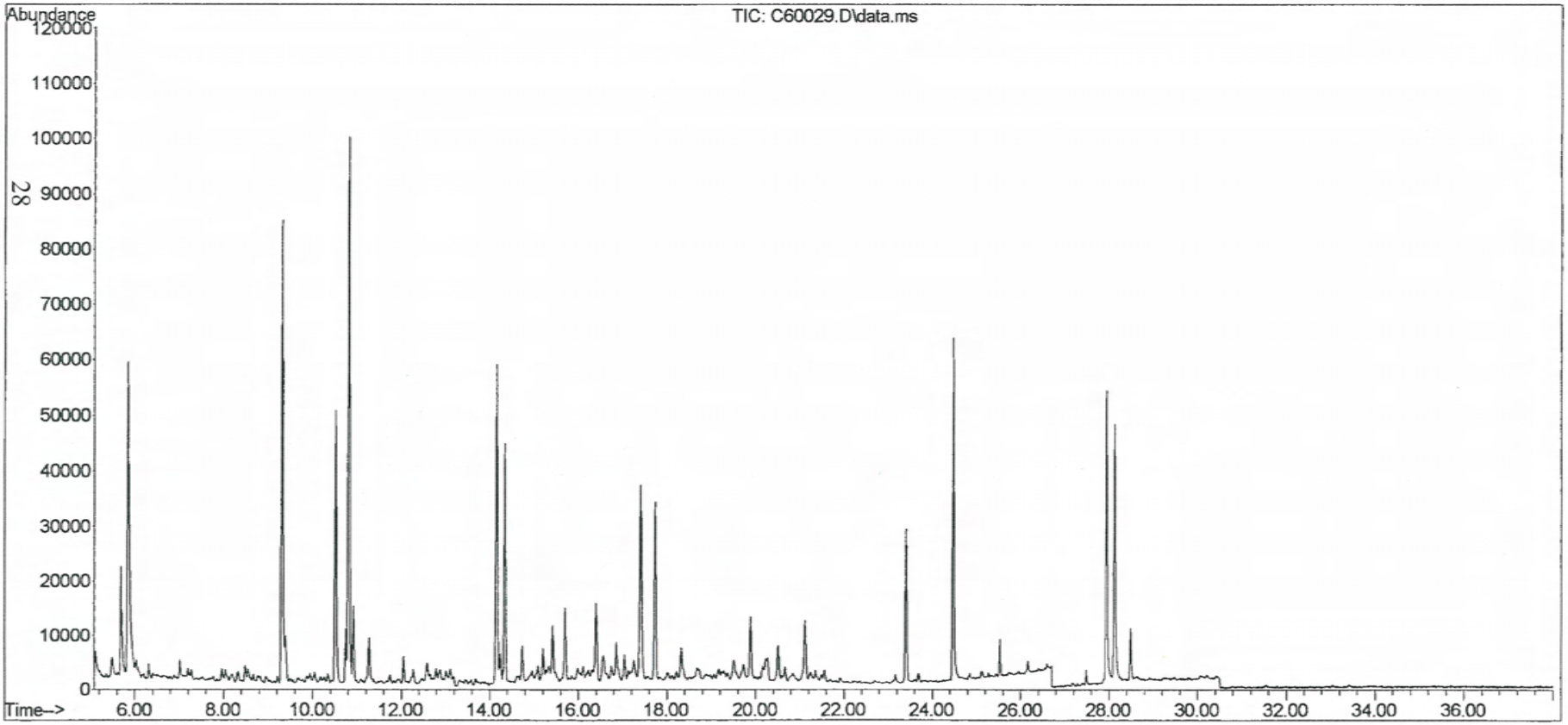
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60029.D
Acq On : 1 Aug 2008 9:38 pm
Operator : mackan
Sample : MOA08PAH003
Misc :
ALS Vial : 9 Sample Multiplier: 0.961538

Quant Time: Aug 05 15:43:21 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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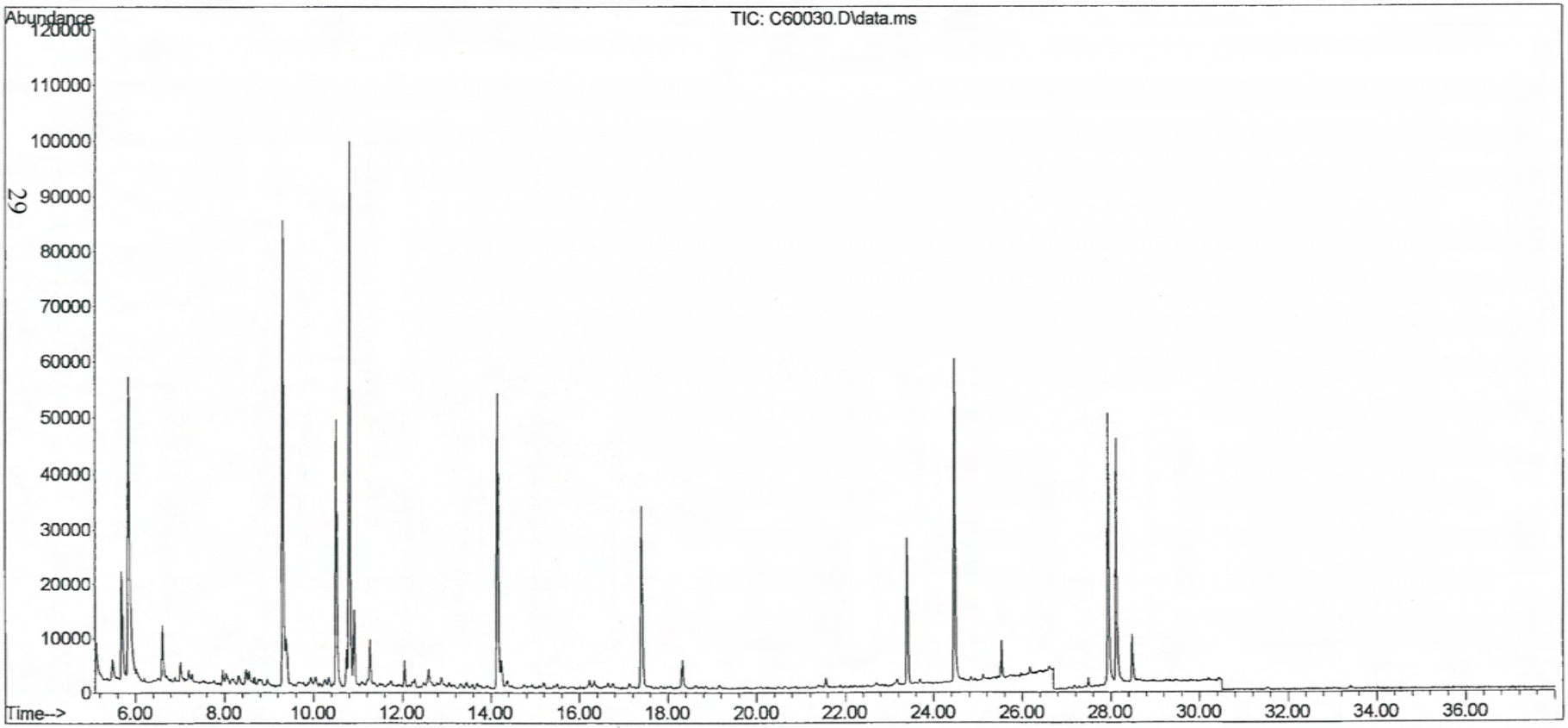
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60030.D
Acq On : 1 Aug 2008 10:21 pm
Operator : mackan
Sample : MOA08PAH004
Misc :
ALS Vial : 10 Sample Multiplier: 0.961538

Quant Time: Aug 05 16:00:57 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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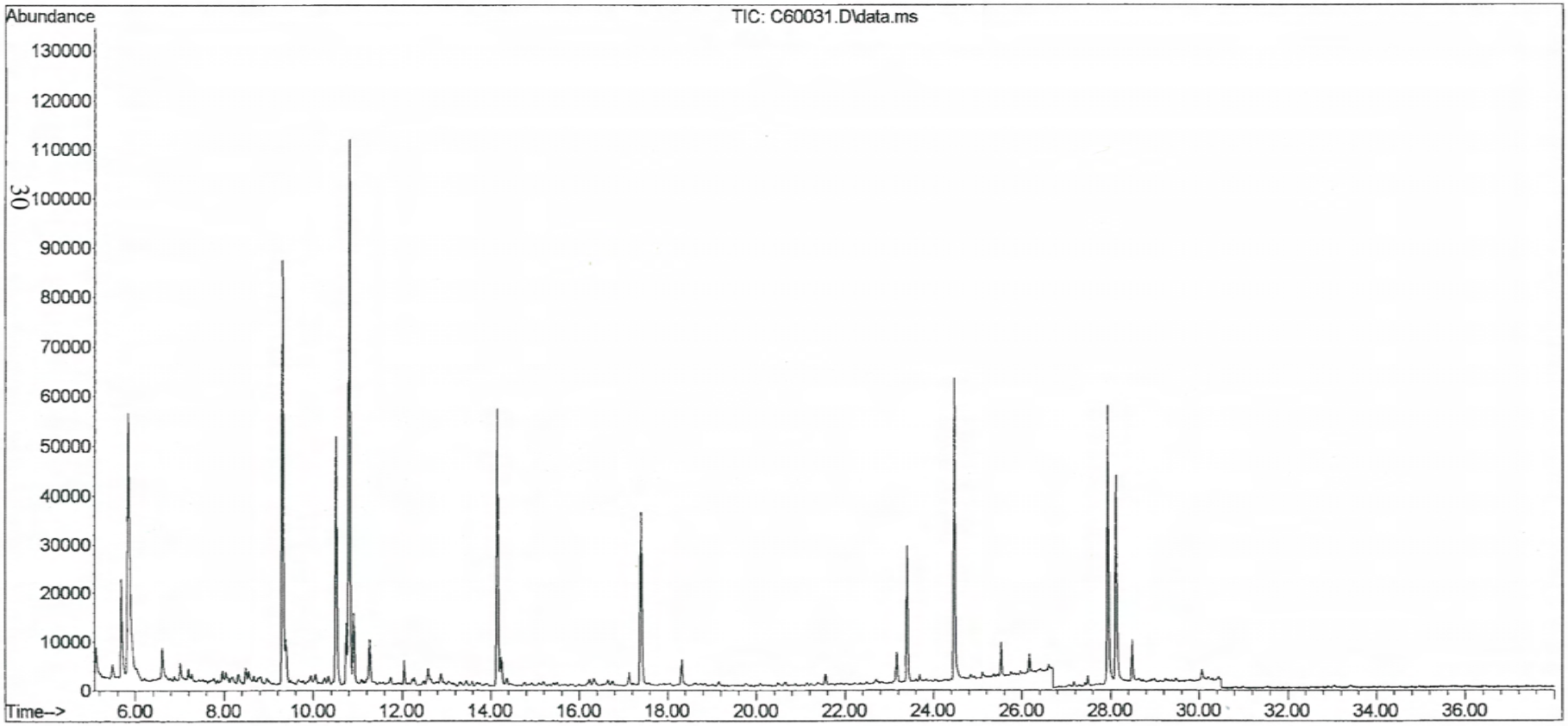
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60031.D
Acq On : 1 Aug 2008 11:04 pm
Operator : mackan
Sample : MOA08PAH005
Misc :
ALS Vial : 11 Sample Multiplier: 0.980392

Quant Time: Aug 05 16:18:37 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration

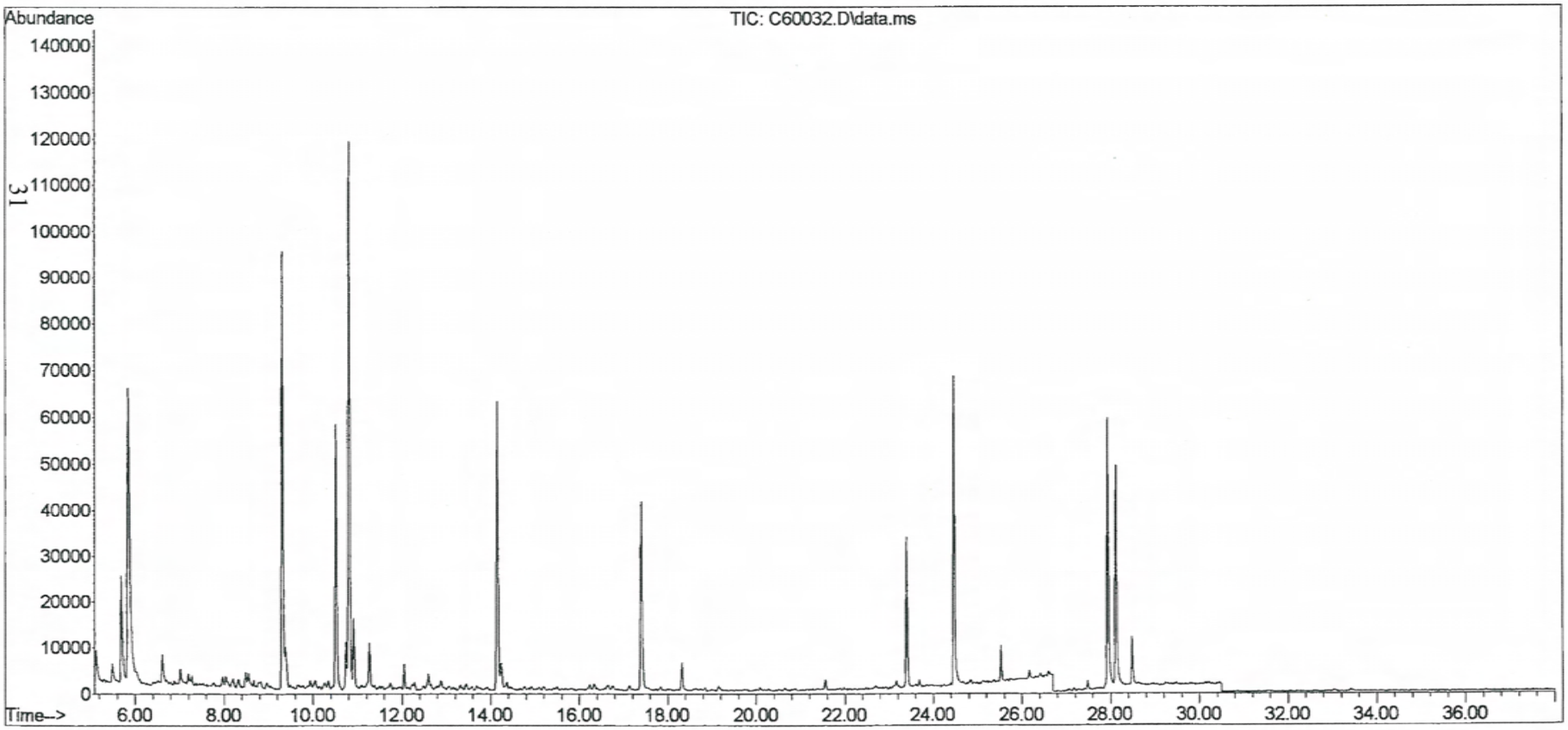


30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60032.D
Acq On : 1 Aug 2008 11:47 pm
Operator : mackan
Sample : MOA08PAH006
Misc :
ALS Vial : 12 Sample Multiplier: 0.961538

Quant Time: Aug 05 16:33:55 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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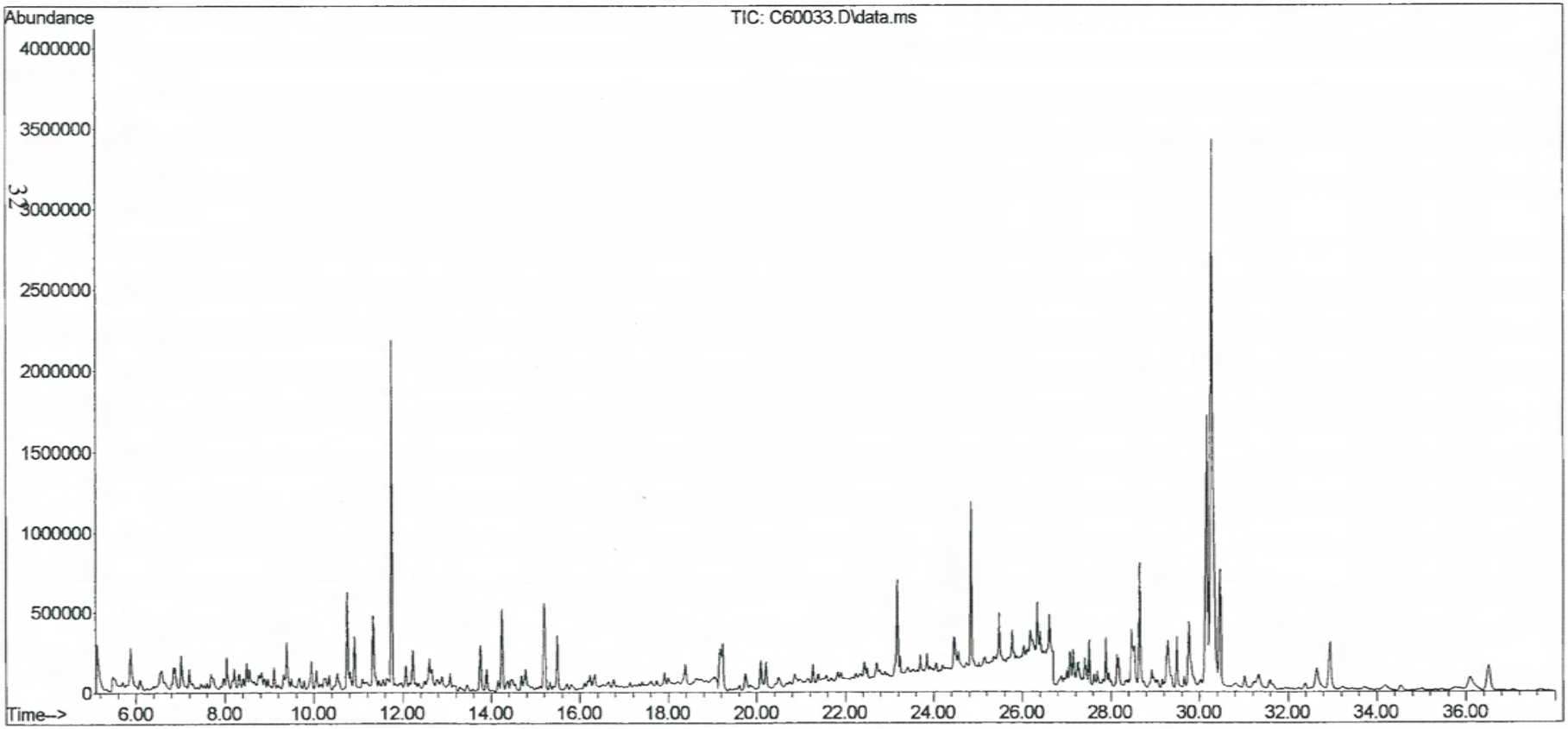
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : C60033.D
Acq On : 2 Aug 2008 12:30 am
Operator : mackan
Sample : MOA08PAH007
Misc :
ALS Vial : 13 Sample Multiplier: 0.909091

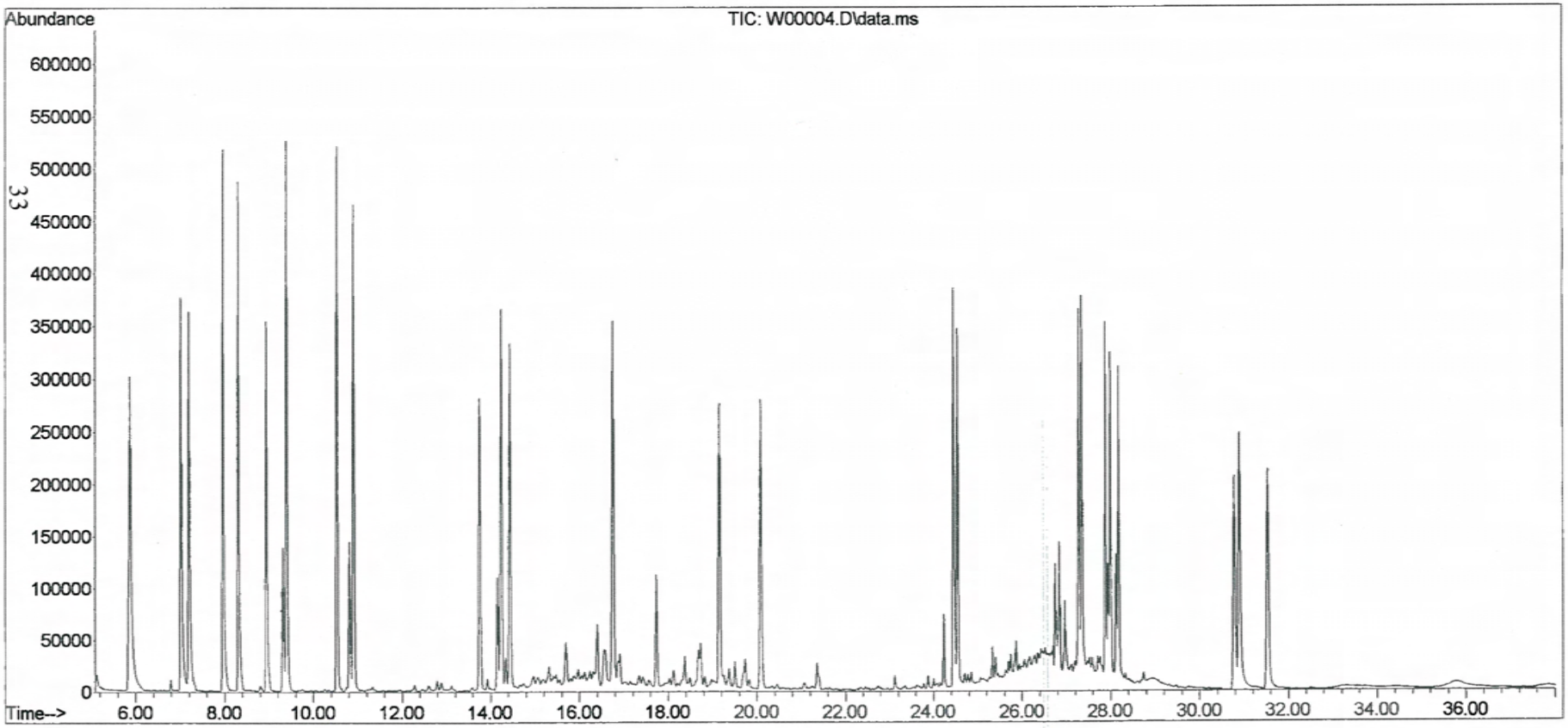
Quant Time: Aug 06 12:31:56 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\M3548AR2\
Data File : W00004.D
Acq On : 2 Aug 2008 2:39 am
Operator : mackan
Sample : CAL 250
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 11:35:24 2008
Quant Method : C:\MSDCHEM\1\METHODS\AR051308.M
Quant Title : Calibration of polynuclear aromatic hydrocarbons (Tue May 27 15:26:29 2008
QLast Update : Tue May 27 15:26:29 2008
Response via : Initial Calibration



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APPENDIX C

Receiving Water Quality Monitoring

C4 Trace Metals

Battelle

RECEIVING WATER, TRACE METALS, BATTELLE SAMPLE LIST

SAMPLE IDENTIFICATION NUMBER	SAMPLE LOCATION	SAMPLE TYPE
MOA08MTL001	F1-1S	SAMPLE
MOA08MTL002	F1-2S	SAMPLE
MOA08MTL003	F1-3S	SAMPLE
MOA08MTL004	C1-1S	SAMPLE
MOA08MTL005	C1-2S	SAMPLE
MOA08MTL006	C1-3S	SAMPLE
MOA08MTL007	EFFLUENT	SAMPLE

August 14, 2008

Battelle
The Business of Innovation

Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Telephone: (360) 681-3627
Facsimile: (360) 681-3699

Mr. Tim Mayers
Kinnetic Laboratories, Inc.
Oceanographic and Environmental Consulting
Alaska Regional Office
1102 West 7th Avenue
Anchorage, AK 99501

Dear Tim:

Enclosed are final results for trace metals in seawater and effluent samples received from Kinnetic Laboratories on June 19 and 20, 2008. Samples were received in good condition with cooler temperatures of 2.4 and 3.3°C. Half of each sample was filtered and all samples were subsequently acidified. Chromium, Ni, Cu, Zn, Ag, Cd, and Pb in seawater samples were pre-concentrated (FePd) prior to analysis by inductively coupled plasma mass spectroscopy (ICP/MS). The total effluent sample for these metals was prepped for total recoverable metals, while the dissolved sample was analyzed direct without a prep step. Mercury and As were determined in seawater and effluent samples by cold vapor atomic fluorescence (CVAF) and flow injection analysis system with hydride generation atomic absorption spectroscopy (FIAS), respectively.

Copper and Zn were detected in the Fe/Pd blank at concentrations less than 10x the MDL. Other metals were undetected in the blanks. Three SRMs were analyzed: 1640, river water; CASS-4, seawater; 1641, freshwater. The SRM results were within acceptable criteria of ±25%. Matrix spikes and duplicate results were within our default criteria of ±25%, except the duplicate for Ag where the results were near or less than 5 times the MDL. Sample results were not blank corrected. I have sent an Excel file containing the data via email for your convenience.

A cost breakdown has been included with these data and appears in Table 1 and Table 2. An invoice will be sent to you under separate cover. If you have any questions or comments concerning the data, please don't hesitate to contact me at 360-681-3627 or email: l.bingler@pnl.gov at anytime. These samples will be disposed of on September 15, 2008, unless otherwise advised by you.

Sincerely,

Linda S. Bingler
Senior Research Scientist

Enc.

BATTELLE MARINE SCIENCES LABORATORY
1529 W. Sequim Bay Road
Sequim, WA 98382
(360) 683-4151
(cf#1672)

KINNETICS
CONCENTRATIONS OF METALS IN SEAWATER and EFFLUENT SAMPLES
Samples Received: 06/19-20/08
(concentrations in μg/L - not blank corrected)

8/15/08

MSL Code	Rep	Sponsor I.D.	Analysis Method	Fraction	Cr ICP/MS	Ni ICP/MS	Cu ICP/MS	Zn ICP/MS	As FIAS	Ag ICP/MS	Cd ICP/MS	Pb ICP/MS	Hg CVAF
SAMPLE RESULTS													
1672*79		MOA08MTL007	TRM	Total	7.88	4.21	35.6	111	2.01	1.14	0.308	2.17	0.0656
1672*80		MOA08MTL001	Fe/Pd	Total	5.16	6.07	8.37	19.6	5.01	0.0345	0.121	2.33	0.0120
1672*81		MOA08MTL002	Fe/Pd	Total	5.75	6.86	9.67	22.6	5.61	0.0390	0.128	2.78	0.0145
1672*82		MOA08MTL003	Fe/Pd	Total	6.01	7.08	9.87	23.3	6.11	0.0404	0.127	3.00	0.0162
1672*83		MOA08MTL007	Direct	Dissolved	0.855	3.53	25.0	52.7	1.61	0.0196	0.135	0.269	0.00413
1672*84		MOA08MTL001	Fe/Pd	Dissolved	0.144	1.23	1.18	0.555	1.54	0.0107	0.106	0.0125	0.00117
1672*85		MOA08MTL002	Fe/Pd	Dissolved	0.116	1.16	1.23	0.793	1.56	0.00477	0.0919	0.008 U	0.000434
1672*86		MOA08MTL003	Fe/Pd	Dissolved	0.115	1.15	1.08	0.537	1.53	0.00655	0.0908	0.008 U	0.000511
1672*87		MOA08MTL004	Fe/Pd	Total	7.11	8.05	11.2	28.2	6.96	0.0494	0.128	3.77	0.0192
1672*88		MOA08MTL005	Fe/Pd	Total	7.48	8.38	11.9	29.7	7.57	0.0509	0.140	4.09	0.0206
1672*89		MOA08MTL006	Fe/Pd	Total	9.87	11.8	18.5	42.6	13.0	0.112	0.169	7.21	0.0795
1672*90		MOA08MTL004	Fe/Pd	Dissolved	0.148	1.27	1.25	0.694	1.48	0.00956	0.0991	0.008 U	0.000443
1672*91		MOA08MTL005	Fe/Pd	Dissolved	0.090 U	0.917	0.839	0.252	1.47	0.002 U	0.0759	0.008 U	0.000476
1672*92		MOA08MTL006	Fe/Pd	Dissolved	0.115	1.18	1.16	0.349	1.53	0.00552	0.0926	0.008 U	0.000463
PROCEDURAL BLANK			**Fe/Pd**	**Total/Diss**	0.090 U	0.071 U	0.133	0.107	NA	0.002 U	0.008 U	0.008 U	NA
			Direct	**Dissolved**	0.020 U	0.009 U	0.008 U	0.020 U	0.021 U	0.001 U	0.002 U	0.002 U	0.00015 U
			TRM	**Total**	0.083 U	0.013 U	0.0040 U	0.209 U	0.021 U	0.002 U	0.001 U	0.001 U	0.00015 U
METHOD DETECTION LIMIT			**Fe/Pd**	**Total/Diss**	**0.090**	**0.071**	**0.100**	**0.100**	**NA**	**0.002**	**0.008**	**0.008**	**NA**
			Direct	**Dissolved**	**0.020**	**0.009**	**0.008**	**0.020**	**0.021**	**0.001**	**0.002**	**0.002**	**0.00015**
			TRM	**Total**	**0.083**	**0.013**	**0.004**	**0.209**	**0.021**	**0.002**	**0.001**	**0.001**	**0.00015**
STANDARD REFERENCE MATERIAL													
1640			TRM	Total	38.0	25.7	85.6	52.5	NA	7.02	21.9	28.2	NA
1640			Direct	Dissolved	37.8	26.9	86.8	54.0	NA	7.42	22.5	27.9	NA
1640		certified value			38.6	27.4	85.2	53.2	26.7	7.62	22.8	27.9	NC
1640		range			±1.6	±0.8	±1.2	±1.1	±0.41	±0.25	±0.96	±0.14	NC
1640		**% difference**	**TRM**	**Total**	**2%**	**6%**	**1%**	**1%**	**N/A**	**8%**	**4%**	**1%**	NA
1640		**% difference**	**Direct**	**Dissolved**	**2%**	**2%**	**2%**	**2%**	**N/A**	**3%**	**1%**	**0%**	**N/A**

BATTELLE MARINE SCIENCES LABORATORY
1529 W. Sequim Bay Road
Sequim, WA 98382
(360) 683-4151
(cf#1672)

KINNETICS
CONCENTRATIONS OF METALS IN SEAWATER and EFFLUENT SAMPLES
Samples Received: 06/19-20/08
(concentrations in μg/L - not blank corrected)

8/15/08

MSL Code	Rep	Sponsor I.D.	Analysis Method	Fraction	Cr ICP/MS	Ni ICP/MS	Cu ICP/MS	Zn ICP/MS	As FIAS	Ag ICP/MS	Cd ICP/MS	Pb ICP/MS	Hg CVAF
STANDARD REFERENCE MATERIAL, cont.													
CASS-4			Fe/Pd		0.153	0.363	0.540	0.370	1.03	0.00282	0.0258	0.0111	NA
CASS-4		certified value			0.144	0.314	0.592	0.381	1.11	NC	0.026	0.0098	N/A
CASS-4		range			±0.029	±0.030	±0.055	±0.057	±0.16	NC	±0.003	±0.0036	N/A
		% difference			**6%**	**16%**	**9%**	**3%**	**7%**	**N/A**	**1%**	**13%**	**N/A**
1641d			Total		NA	NA	NA	NA	NA	NA	NA	NA	1509
1641d		certified value			NC	NC	NC	NC	NC	NC	NC	NC	1590
1641d		range			NC	NC	NC	NC	NC	NC	NC	NC	±18.0
		% difference			**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**5%**
MATRIX SPIKE RESULTS													
		Amount Spiked			NA	NA	NA	NA	NA	NA	NA	NA	0.0118
		1672*84	Fe/Pd	Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	0.00117
		1672*84 + Spike	Fe/Pd	Dissolved	NS	NS	NS	NS	NS	NS	NS	NS	0.0130
		Amount Recovered			NA	NA	NA	NA	NA	NA	NA	NA	0.0118
		Percent Recovery			**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**100%**
		Amount Spiked			10.0	10.0	10.0	10.0	5.00	10.0	10.0	10.0	NA
		1672*85	Fe/Pd	Dissolved	0.116	1.16	1.23	0.793	1.56	0.00477	0.0919	0.0440	NA
		1672*85 + Spike	Fe/Pd	Dissolved	9.52	10.7	11.2	11.7	6.35	8.88	10.1	10.4	NS
		Amount Recovered			9.40	9.54	9.93	10.9	4.79	8.87	10.0	10.4	NA
		Percent Recovery			**94%**	**95%**	**99%**	**109%**	**96%**	**89%**	**100%**	**104%**	**N/A**
REPLICATE RESULTS													
1672*80	1	MOA08MTL001	Fe/Pd	Total	5.16	6.07	8.37	19.6	5.01	0.0345	0.121	2.33	0.0120
1672*80	2	MOA08MTL001	Fe/Pd	Total	NA	NA	NA	NA	NA	NA	NA	NA	0.0127
		% difference			**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**6%**
1672*84	1	MOA08MTL001	Fe/Pd	Dissolved	0.144	1.23	1.18	0.555	1.54	0.0107	0.106	0.0125	0.00117
1672*84	2	MOA08MTL001	Fe/Pd	Dissolved	NA	NA	NA	NA	1.55	NA	NA	NA	NA
		% difference			**N/A**	**N/A**	**N/A**	**N/A**	**1%**	**N/A**	**N/A**	**N/A**	**N/A**

BATTELLE MARINE SCIENCES LABORATORY
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(cf#1672)

KINNETICS
CONCENTRATIONS OF METALS IN SEAWATER and EFFLUENT SAMPLES
Samples Received: 06/19-20/08
(concentrations in μg/L - not blank corrected)

8/15/08

MSL Code	Rep	Sponsor I.D.	Analysis Method	Fraction	Cr ICP/MS	Ni ICP/MS	Cu ICP/MS	Zn ICP/MS	As FIAS	Ag ICP/MS	Cd ICP/MS	Pb ICP/MS	Hg CVAF
REPLICATE RESULTS, cont.													
1672*90	1	MOA08MTL004	Fe/Pd	Dissolved	0.148	1.27	1.25	0.694	1.48	0.00956	0.0991	0.008 U	0.000443
1672*90	2	MOA08MTL004	Fe/Pd	Dissolved	0.115	1.13	1.11	0.559	1.55	0.00287	0.0860	0.008 U	NA
		% difference			**25%**	**11%**	**12%**	**22%**	**5%**	**108% #**	**14%**	**0%**	**N/A**

U = not detected at or above detection limit.
NC = not certified.
NA = not analyzed.
N/A = not applicable.
= outside Quality Control Criteria.

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Battelle Northwest Laboratory 1529 West Sequim Bay Road Sequim, WA 98382 Attn: Linda Bingler (360)681-3627	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1007	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Total dissolved and total recoverable metals: arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. All ICP/MS except As, Cr, Zn (GFAA) and Hg (CVAA).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** None, 4° C	**Type of Container:** 1-l Teflon

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT Total	ASSIGNED LABORATORY Diss NUMBER
MOA08MTL001	F1-1S	1	6/17/08	1415	1672 80	1672 84
MOA08MTL002	F1-2S	1	6/17/08	1444	1 81	1 85
MOA08MTL003	F1-3S	1	6/17/08	1500	1672 82	1672 86

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[illegible]	6/18/08 1100	Fed-X	[illegible]	06/19/08 1255
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Battelle Northwest Laboratory 1529 West Sequim Bay Road Sequim, WA 98382 Attn: Linda Bingler (360)681-3627	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1007	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Total dissolved and total recoverable metals: arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. All ICP/MS except As, Cr, Zn (GFAA) and Hg (CVAA).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** None, 4° C	**Type of Container:** 1-l Teflon

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT Raw	ASSIGNED LABORATORY NUMBER 1H
MOA08MTL004	C1-1S	1	6/18/08	1454	1672.87	1672.90
MOA08MTL005	C1-2S	1	6/18/08	1512	88	91
MOA08MTL006	C1-3S	1	6/18/08	1545	1672.89	1672.92

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
(KLI)	6/19/08 1300	Fed Ex		06/20/08 1201
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW08COC.wpd

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Battelle Northwest Laboratory 1529 West Sequim Bay Road Sequim, WA 98382 Attn: Linda Bingler (360) 681-3627	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1007	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Total dissolved and total recoverable metals: arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. All ICP/MS except As, Cr, Zn (GFAA) and Hg (CVAA).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** None, 4° C	**Type of Container:** 1-l Teflon

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT total	ASSIGNED LABORATORY NUMBER Dis
MOA08MTL007	EFFLUENT	1	6/17-6/18/8	0900-0900	1672-79	1672-85

Please filter and preserve immediately upon receipt at laboratory.

DATA REPORTS **MUST** INCLUDE THE FOLLOWING: SAMPLE ID NUMBER, ANALYTICAL METHOD, DETECTION LIMIT, DATE OF EXTRACTION IF APPLICABLE, DATE OF ANALYSIS, ANALYTICAL RESULTS, AND SIGNATURE OF QA REVIEWER.

COMMENTS: PLEASE REPORT ALL QA/QC, INCLUDING METHOD BLANKS, MS/SDs, DUPLICATES, ETC.

Please return completed original COC to KLI Anchorage.

RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
[signature]	6/18/8 1030	[signature]	[signature]	6/18/08 1035
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME
			[signature]	06/19/08 1255
RELINQUISHED BY:	DATE AND TIME	TRANSPORTED BY:	RECEIVED BY:	DATE AND TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW_EFF08COC.wpd

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 1672 Sample No(s): 79-86 Project Manager: Bangler

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Seawater WP# W 34435

Yes	No	
	X	Navy-type Project (requires high-level sample tracking procedures)
X		Filter Samples: Amount: Entire sample Half of sample shake first
	X	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
	X	Special instructions:

Sample Preservation Instructions:

Date To Archive: Date To Dispose: See Lims

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
	NA		Was a custody seal present?
		NA	Was the custody seal intact?
NA			Was cooler(s) temperature(s) within acceptable range of 4±2°C or frozen? (if multiple coolers, note temp. of each) 2.4 °C ___ °C
		NA	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
NA			Were all chain of custody forms signed and dated?
NA			Were samples filtered at MSL?

Sample condition(s): Acceptable Other (explain):

Container type: Teflon Poly Glass Spex Other:

Notes:

Completed By: [signature] Date/Time: 06/19/08 1310

SAMPLE PRESERVATION

NA	Sample(s) were preserved at MSL
	Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
	Random pH checked for ~10% of samples (use dip paper) Sample IDs:
	Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:		Notes:
NA	0.2% HNO3	Lot # 1206090
	0.5% HCl (Hg samples)	
	Refrigerate/Freeze	
	Other	

Completed By: [signature] Date/Time: 6/19/08 1400

K-6-D

Revsed 033006

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 1672 Sample No(s): 87-92 Project Manager: Bingler

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Seawater / Effluent WP# W34435

Yes	No	
	X	Navy-type Project (requires high-level sample tracking procedures)
X		Filter Samples: Amount: Entire sample Half of sample
	X	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
X		Special instructions: Shake total sample prior to aliquot removal

Sample Preservation Instructions:

Date To Archive: Date To Dispose: See Lims

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
	NA		Was a custody seal present?
		NA	Was the custody seal intact?
NA			Was cooler(s) temperature(s) within acceptable range of 4±2°C or frozen? 3.3 °C (if multiple coolers, note temp. of each) °C
		NA	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
NA			Were all chain of custody forms signed and dated?
NA			Were samples filtered at MSL?

Sample condition(s): Acceptable Other (explain):

Container type: Teflon Poly Glass Spex Other:

Notes:

Completed By: McMahon Date/Time: 06/20/08 1200

SAMPLE PRESERVATION

- [x] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:
- [x] 0.2% HNO3 Notes: lot # 1206090
- [ ] 0.5% HCl (Hg samples) Notes:
- [ ] Refrigerate/Freeze Notes:
- [ ] Other Notes:

Completed By: B. Bugler Date/Time: 6/20/08 1330

Revsed 033006

K-6-D

APPENDIX C

Receiving Water Quality Monitoring

C5 Intertidal Bacteria

Spectra Laboratories

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/20/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

P.O.#: AK08-1005
Project: 516.02
Sample Matrix: Water
Date Sampled: 06/17/2008
Date Received: 06/18/2008
Spectra Project: 2008060352

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08FEC001	1	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC002	2	Fecal Coliform by MPN in	4	MPN/100ml	SM 9221E
MOA08FEC003	3	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC004	4	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC005	5	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC006	6	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC007	7	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC008	8	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC009	9	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC010	10	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC011	11	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC012	12	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC013	13	Fecal Coliform by MPN in	23	MPN/100ml	SM 9221E
MOA08FEC014	14	Fecal Coliform by MPN in	13	MPN/100ml	SM 9221E
MOA08FEC015	15	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC016	16	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC017	17	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC018	18	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC019	19	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC020	20	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC021	21	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC022	22	Fecal Coliform by MPN in	6	MPN/100ml	SM 9221E
MOA08FEC023	23	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/mlh

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/20/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

P.O.#: AK08-1005
Project: 516.02
Sample Matrix: Water
Date Sampled: 06/17/2008
Date Received: 06/18/2008
Spectra Project: 2008060352

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08FEC024	24	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC041	25	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC042	26	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC043	27	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC044	28	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC045	29	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC046	30	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC047	31	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC048	32	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC049	33	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC050	34	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC051	35	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC052	36	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC053	37	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC054	38	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC055	39	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC056	40	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC057	41	Fecal Coliform by MPN in	4	MPN/100ml	SM 9221E
MOA08FEC058	42	Fecal Coliform by MPN in	6	MPN/100ml	SM 9221E
MOA08FEC059	43	Fecal Coliform by MPN in	7	MPN/100ml	SM 9221E
MOA08FEC060	44	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC061	45	Fecal Coliform by MPN in	9	MPN/100ml	SM 9221E
MOA08FEC062	46	Fecal Coliform by MPN in	23	MPN/100ml	SM 9221E

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a7/mlh

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/23/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

P.O.#: AK08-1005
Project: 516.02
Sample Matrix: Water
Date Sampled: 06/18/2008
Date Received: 06/19/2008
Spectra Project: 2008060381

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08FEC025	1	Fecal Coliform by MPN in	4	MPN/100ml	SM 9221E
MOA08FEC026	2	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC027	3	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC028	4	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC029	5	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC030	6	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC031	7	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC032	8	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC033	9	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC034	10	Fecal Coliform by MPN in	< 2	MPN/100ml	SM 9221E
MOA08FEC035	11	Fecal Coliform by MPN in	17	MPN/100ml	SM 9221E
MOA08FEC038	12	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E
MOA08FEC039	13	Fecal Coliform by MPN in	8	MPN/100ml	SM 9221E
MOA08FEC040	14	Fecal Coliform by MPN in	2	MPN/100ml	SM 9221E

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/snb

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

06/20/2008

Kinnetic Laboratories, Inc.
1102 West 7th Avenue
Anchorage, AK 99501

P.O.#: AK08-1005
Project: 516.02
Sample Matrix: Water
Date Sampled: 06/17/2008
Date Received: 06/18/2008
Spectra Project: 2008060352

Client ID	Spectra #	Analyte	Result	Units	Method
MOA08FEC063	47	Fecal Coliform by MPN in	4	MPN/100ml	SM 9221E
MOA08FEC064	48	Fecal Coliform by MPN in	13	MPN/100ml	SM 9221E

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a7/mlh

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907) 276-6178

REQUIRED COMPLETION DATE:	P.O. #: AK08-1005	KLI Proj. #: 516.02

ANALYSIS TYPE: Fecal coliform (SM 9221E)
Data to be reported in printed and digital formats.

MATRIX: Water	Preservative: $Na_2S_2O_3$, 4° C	Type of Container: 125-mL plastic

STATION LOCATION	FECAL SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
E1-1S	MOA08FEC001	6/17/08 0715		
E1-2S	MOA08FEC002	0737		
E1-3S	MOA08FEC003	0753		
E1-4S	MOA08FEC004	0817		
E2-1S	MOA08FEC005	0855		
E2-2S	MOA08FEC006	0901		
E2-3S	MOA08FEC007	0908		
E2-4S	MOA08FEC008	0924		
E3-1S	MOA08FEC009	1053		
E3-2S	MOA08FEC010	1102		
E3-3S	MOA08FEC011	1114		
E3-4S	MOA08FEC012	1140		

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[signature]	6/17/08 2245	Goldstreak	[signature]	6/18 830
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
			[signature]	
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907) 276-6178

REQUIRED COMPLETION DATE: **P.O. #:** AK08-1005 **KLI Proj. #:** 516.02

ANALYSIS TYPE: Fecal coliform (SM 9221E)
Data to be reported in printed and digital formats.

MATRIX: Water **Preservative:** $Na_2S_2O_3$, 4° C **Type of Container:** 125-mL plastic

STATION LOCATION	FECAL SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
F1-1S	MOA08FEC013	6/17/08 1415		
F1-2S	MOA08FEC014	1444		
F1-3S	MOA08FEC015	1500		
F1-4S	MOA08FEC016	1519		
F2-1S	MOA08FEC017	1557		
F2-2S	MOA08FEC018	1604		
F2-3S	MOA08FEC019	1614		
F2-4S	MOA08FEC020	1634		
F3-1S	MOA08FEC021	1714		
F3-2S	MOA08FEC022	1722		
F3-3S	MOA08FEC023	1730		
F3-4S	MOA08FEC024	1750		

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[signature]	6/17/08 1245	Goldstreak	[signature]	6/18 830
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
			[signature]	
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

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2008060381

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:	
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE:	**P.O. #:** AK08-1005	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Fecal coliform (SM 9221E)
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** $Na_2S_2O_3$, 4° C	**Type of Container:** 125-mL plastic

STATION LOCATION	FECAL SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
C1-1S	MOA08FEC025	6/18/08 1454		
C1-2S	MOA08FEC026	1512		
C1-3S	MOA08FEC027	1545		
C1-4S	MOA08FEC028	1630		
C2-1S	MOA08FEC029	1634		
C2-2S(A)	MOA08FEC030	1644		
C2-2S(B)	MOA08FEC031	1644		
C2-2S(C)	MOA08FEC032	1644		
C2-3S	MOA08FEC033	1659		
C2-4S	MOA08FEC034	1714		
C3-1S(A)	MOA08FEC035	1758		~~Fecal laboratory triplicate in larger container; analyze 3 times.~~
~~C3-1S(B)~~	~~MOA08FEC036~~			
~~C3-1S(C)~~	~~MOA08FEC037~~			
C3-2S	MOA08FEC038	1806		
C3-3S	MOA08FEC039	1828		
C3-4S	MOA08FEC040	1846		

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[illegible]	6/18/08 0930	Goldstream	[illegible]	6/19/08 8:30
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE:	**P.O. #:** AK08-1005	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Fecal coliform (SM 9221E).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** $Na_2S_2O_3$, 4° C	**Type of Container:** 125-mL plastic

STATION LOCATION	FECAL SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
IT-1 Rep1	MOA08FEC041	6/17/08 1900 ✓		
IT-1 Rep2	MOA08FEC042	1900		
IT-2 Rep1	MOA08FEC043	1857 ✓		
IT-2 Rep2	MOA08FEC044	1857 ✓		
IT-3 Rep1	MOA08FEC045	1856 ✓		
IT-3 Rep2	MOA08FEC046	1856 ✓		
IT-4 Rep1	MOA08FEC047	1852		
IT-4 Rep2	MOA08FEC048	1852		
IT-5 Rep1	MOA08FEC049	1850		
IT-5 Rep2	MOA08FEC050	1850		
IT-6 Rep1	MOA08FEC051	1848		
IT-6 Rep2	MOA08FEC052	1848		
IT-7 Rep1	MOA08FEC053	1842		
IT-7 Rep2	MOA08FEC054	1842		
IT-C Rep1	MOA08FEC055	1805		
IT-C Rep2	MOA08FEC056	1805		

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[illegible]	6/12/08 1045	Gold Streak	[illegible]	6/18 0750
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE: 30 days	**P.O. #:** AK08-1005	**KLI Proj. #:** 516.01

ANALYSIS TYPE: Fecal coliform (SM 9221E).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** $Na_2S_2O_3$, 4° C	**Type of Container:** 125-mL plastic

SAMPLE IDENTIFICATION #	STATION LOCATION	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	CONDITION UPON RECEIPT	ASSIGNED LABORATORY NUMBER
MOA08FEC057	EFFLUENT REP. 1	1	6/17/8	1206		
MOA08FEC058	EFFLUENT REP. 2	1	↓	↓		

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[signature]	6/17/8 1555	hand	[signature]	6/17/08 1555
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[signature]	6/17/08 2245	Goldstreak	[signature]	6/18 830
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

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KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	**FROM:**	
Spectra Laboratories 2221 Ross Way Tacoma, WA 98421 Attn: Shiran Brenner (253) 272-4850	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178	
REQUIRED COMPLETION DATE:	**P.O. #:** AK08-1005	**KLI Proj. #:** 516.02

ANALYSIS TYPE: Fecal coliform (SM 9221E).
Data to be reported in printed and digital formats.

MATRIX: Water	**Preservative:** $Na_2S_2O_3$, 4° C	**Type of Container:** 125-mL plastic

STATION LOCATION	FECAL SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
Chester Creek Rep1	MOA08FEC059	6-17-08/17:15		surface water covered with algae backed up behind spillway.
Chester Creek Rep2	MOA08FEC060	6-17-08/17:15		↓
Ship Creek Rep1	MOA08FEC061	6-17-08/16:38		
Ship Creek Rep2	MOA08FEC062	6-17-08/16:38		
Fish Creek Rep1	MOA08FEC063	6-17-08/17:00		Kids playing on spillway
Fish Creek Rep2	MOA08FEC064	6-17-08/17:00		↓

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[signature]	6/17/08 2245	Gold Star	[signature]	6/18 8:30
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

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APPENDIX C

Receiving Water Quality Monitoring

C6 Total Residual Chlorine and Color

Analytica Alaska, Inc.

SP-Analytica, Inc.-Anchorage
4307 Arctic Blvd.
Anchorage, AK 99503
Phone: 907-258-2155
Fax: 907-258-6634

ANALYTICA
Environmental Laboratories

7/2/2008

Kinnetic Laboratories
1102 W. 7th
Anchorage, AK 99501
Attn: Tim Mayers

Work Order #: A0806186
Date: 7/2/2008
Work ID: MOA Water Testing
Date Received: 6/19/2008
Proj #: 516-02

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A0806186-01	C1-1S/MOA08CLR025	A0806186-02	C1-2S/MOA08CLR026
A0806186-03	C1-3S/MOA08CLR027	A0806186-04	C1-4S/MOA08CLR028
A0806186-05	C2-1S/MOA08CLR029	A0806186-06	C2-2S(A)/MOA08CLR030
A0806186-07	C2-2S(B)/MOA08CLR031	A0806186-08	C2-2S(C)/MOA08CLR032
A0806186-09	C2-3S/MOA08CLR033	A0806186-10	C2-4S/MOA08CLR034
A0806186-11	C3-1S(A)/MOA08CLR035	A0806186-12	C3-1S(B)/MOA08CLR036
A0806186-13	C3-1S(C)/MOA08CLR037	A0806186-14	C3-2S/MOA08CLR038
A0806186-15	C3-3S/MOA08CLR039	A0806186-16	C3-4S/MOA08CLR040

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

House
Project Manager

"The Science of Analysis, The Art of Service"

Case Narrative

Analytica Alaska Inc.
Work Order: A0806186

Narrative Generated on 7/2/2008 3:21:07 PM
Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN
A summary of our review is shown below, organized by test:

SAMPLE RECEIPT:
There were 12 samples received on 6/18/2008 1:00:00 PM.
Samples were received at a temperature of 4.5 deg C.in cooler 1 at Analytica-Anchorage.
The cooler was opened on 6/18/2008.
Comments: Samples were received in good condition and in order per chain of custody

Test Method: SM2120B - Color, Visual Comparison Method - True Color - Aqueous

This analysis was performed in the field by Analytica.
Test Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes Chlor - Aqueous

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C1-1S/MOA08CLR025**

Matrix: Aqueous

Collection Date: 6/18/2018 2:54:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-01A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-01B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C1-2S/MOA08CLR026**

Matrix: Aqueous

Collection Date: 6/18/2018 3:12:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-02A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-02B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C1-3S/MOA08CLR027**

Matrix: Aqueous

Collection Date: 6/18/2018 3:45:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-03A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-03B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C1-4S/MOA08CLR028**

Matrix: Aqueous

Collection Date: 6/18/2018 4:13:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-04A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-04B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-1S/MOA08CLR029**

Matrix: Aqueous

Collection Date: 6/18/2018 4:34:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-05A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-05B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-2S(A)/MOA08CLR030**

Matrix: Aqueous

Collection Date: 6/18/2018 4:44:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-06A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-06B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-2S(B)/MOA08CLR031**

Matrix: Aqueous

Collection Date: 6/18/2018 4:44:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-07A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-07B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-2S(C)/MOA08CLR032**

Matrix: Aqueous

Collection Date: 6/18/2018 4:44:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-08A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-08B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-3S/MOA08CLR033**

Matrix: Aqueous

Collection Date: 6/18/2018 4:59:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-09A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-09B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C2-4S/MOA08CLR034**

Matrix: Aqueous

Collection Date: 6/18/2018 5:14:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-10A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-10B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-1S(A)/MOA08CLR035**

Matrix: Aqueous

Collection Date: 6/18/2018 5:58:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-11A

Prep Date: 6/19/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623012

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/19/2008 1:03:39PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806186-11B

Prep Date: 6/18/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701008

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/18/2008 6:22:04PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-1S(B)/MOA08CLR036**

Matrix: Aqueous

Collection Date: 6/18/2018 5:58:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-12A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-1S(C)/MOA08CLR037**

Matrix: Aqueous

Collection Date: 6/18/2018 5:58:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-13A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-2S/MOA08CLR038**

Matrix: Aqueous

Collection Date: 6/18/2018 6:05:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-14A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-14B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-3S/MOA08CLR039**

Matrix: Aqueous

Collection Date: 6/18/2018 6:28:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-15A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-15B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **C3-4S/MOA08CLR040**

Matrix: Aqueous

Collection Date: 6/18/2018 6:40:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-16A	Analysis Date:	6/19/2008 1:03:39PM
Prep Date:	6/19/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623012		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806186-16B	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Aqueous

Collection Date: 6/18/2008 12:00:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A080701008-MB	Analysis Date:	6/18/2008 6:22:04PM
Prep Date:	6/18/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701008		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska

Workorder (SDG): A0806186

Project: MOA Water Testing

Project Number:

Prep Batch: **A080701008**

QUALITY CONTROL REPORT

LCS/LCSD REPORT

Analysis: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

MB: A080701008-MB

Prep Date: 6/18/2008

MB Anal. Date: 6/18/2008 6:22:04PM

Units: mg/L

LCS Anal. Date: 6/18/2008 6:22:04PM LCSD Anal. Date: 6/18/2008 6:22:04PM

Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
Chlorine, Residual	ND	0.0680	0.0690	0.0735	0.0735	92.5	93.9	1.5	85 - 115	20	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **88,735** **Lab Project Number:** **A0806186**

Prep Date: 6/18/2008

Lab Method Blank Id: A080701008-MB

Prep Batch ID: A080701008

Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A0806186-01B	C1-1S/MOA08CLR025		6/18/2008 6:22:04PM
A0806186-02B	C1-2S/MOA08CLR026		6/18/2008 6:22:04PM
A0806186-03B	C1-3S/MOA08CLR027		6/18/2008 6:22:04PM
A0806186-04B	C1-4S/MOA08CLR028		6/18/2008 6:22:04PM
A0806186-05B	C2-1S/MOA08CLR029		6/18/2008 6:22:04PM
A0806186-06B	C2-2S(A)/MOA08CLR030		6/18/2008 6:22:04PM
A0806186-07B	C2-2S(B)/MOA08CLR031		6/18/2008 6:22:04PM
A0806186-08B	C2-2S(C)/MOA08CLR032		6/18/2008 6:22:04PM
A0806186-09B	C2-3S/MOA08CLR033		6/18/2008 6:22:04PM
A0806186-10B	C2-4S/MOA08CLR034		6/18/2008 6:22:04PM
A0806186-11B	C3-1S(A)/MOA08CLR035		6/18/2008 6:22:04PM
A0806186-14B	C3-2S/MOA08CLR038		6/18/2008 6:22:04PM
A0806186-15B	C3-3S/MOA08CLR039		6/18/2008 6:22:04PM
A0806186-16B	C3-4S/MOA08CLR040		6/18/2008 6:22:04PM
A080701008-LCS	LCS		6/18/2008 6:22:04PM
A080701008-LCSD	LCSD		6/18/2008 6:22:04PM

DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.
Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

Result Field:

ND = Not Detected at or above the Reporting Limit
NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Lower Control Limit
HIGH = Recovery , RPD, or other parameter is above Upper Control Limit
E = Reported concentration is above the instrument calibration upper range

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank
J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)
W = Post digestion spike did not meet criteria
S = Reported value determined by the Method of Standard Additions (MSA)

Several ways of defining the limit of detection and quantitation are prevalent in the laboratory industry and may appear in Analytica reports. These include the following:

MRL = "minimum reporting level", from the EPA Safe Drinking Water program (SDW)
PQL = "practical quantitation limit", from SW-846
EQL = "estimated quantitation limit", from SW-846
LOQ = "limit of quantitation", from a number of authoritative sources

In Analytica's work, all of these terms have the same meaning, equivalent to the EPA definition of the MRL. This reporting level is supported by a satisfactory calibration data point which is at that level or lower, and also is supported by a method detection limit (MDL) determined by the procedure in 40CFR. The MDL is lower than the MRL and represents an estimate of the level where positive detections have a 99% probability of being real, but where quantitation accuracy is unknown.

The MRL as defined by Analytica is the lowest demonstrated point of known quantitation accuracy.
The MRL should not be confused with the MCL, which is the EPA-defined "maximum contaminant level" allowed for certain regulated targets under specific regulations, such as the National Primary Drinking Water Regulations. Normally, the MRL is set at a level which is much lower than the MCL in order to ensure that levels are well below those limits. Not all target analytes have MCL levels established.

Other Flags may be applied. See Case Narrative for Description

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806186

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

REPORTING CONVENTIONS FOR THIS REPORT

A0806186

TestPkgName	Basis	# Sig Figs	Reporting Limit
2120B/2120B (Aqueous) - True Color	As Received	2	Report to PQL
4500-ClG/4500-ClG (Aqueous) - FieldTest-TotRes Chlo	As Received	2	Report to PQL

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
Analytica Alaska Incorporated 4307 Arctic Blvd. Anchorage, AK 99503 (907) 562-2343 LGN-A0806186	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE:	P.O. #: AK08-1010	KLI Proj. #: 516.02

ANALYSIS TYPE: Color determination (SM 2120B).
Data to be reported in printed and digital formats.

MATRIX: Water	Preservative: None, 4° C	Type of Container: 250-mL HDPE

STATION LOCATION	COLOR SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
C1-1S	MOA08CLR025	6/18/08 1454		
C1-2S	MOA08CLR026	1512		
C1-3S	MOA08CLR027	1545		
C1-4S	MOA08CLR028	1613		
C2-1S	MOA08CLR029	1634		
C2-2S(A)	MOA08CLR030	1644		
C2-2S(B)	MOA08CLR031	1644		
C2-2S(C)	MOA08CLR032	1644		
C2-3S	MOA08CLR033	1659		
C2-4S	MOA08CLR034	1714		
C3-1S(A)	MOA08CLR035	1758		
C3-1S(B)	MOA08CLR036	1758		
C3-1S(C)	MOA08CLR037	1758		
C3-2S	MOA08CLR038	1805		
C3-3S	MOA08CLR039	1828		
C3-4S	MOA08CLR040	1840		

One in ten color samples should also be run in duplicate. Please report duplicates with a "D" or "DUP" appended to the SAMPLE ID.

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[illegible]	6/19/08 1156	[illegible]	[illegible]	6/19/08 11:50 AM
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

SP-Analytica, Inc.-Anchorage
4307 Arctic Blvd.
Anchorage, AK 99503
Phone: 907-258-2155
Fax: 907-258-6634

ANALYTICA
Environmental Laboratories

7/2/2008

Kinnetic Laboratories
1102 W. 7th
Anchorage, AK 99501
Attn: Tim Mayers

Work Order #: A0806184
Date: 7/2/2008
Work ID: MOA Water Testing
Date Received: 6/18/2008
Proj #: 516-02

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A0806184-01	F1-1S/MOA08CLR013	A0806184-02	F1-2S/MOA08CLR014
A0806184-03	F1-3S/MOA08CLR015	A0806184-04	F1-4S/MOA08CLR016
A0806184-05	F2-1S/MOA08CLR017	A0806184-06	F2-2S/MOA08CLR018
A0806184-07	F2-3S/MOA08CLR019	A0806184-08	F2-4S/MOA08CLR020
A0806184-09	F3-1S/MOA08CLR021	A0806184-10	F3-2S/MOA08CLR022
A0806184-11	F3-3S/MOA08CLR023	A0806184-12	F3-4S/MOA08CLR024
A0806184-13	F2-4S/MOA08CLR020-DUP		

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

Marty Waters
Project Manager

"The Science of Analysis, The Art of Service"

Case Narrative

Analytica Alaska Inc.

Work Order: A0806184

Narrative Generated on 7/2/2008 3:21:07 PM
Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN
A summary of our review is shown below, organized by test:

SAMPLE RECEIPT:
There were 12 samples received on 6/18/2008 1:00:00 PM.
Samples were received at a temperature of 4.5 deg C.in cooler 1 at Analytica-Anchorage.
The cooler was opened on 6/18/2008.
Comments: Samples were received in good condition and in order per chain of custody

Test Method: SM2120B - Color, Visual Comparison Method - True Color - Aqueous

This analysis was performed in the field by Analytica.
Test Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes Chlor - Aqueous

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F1-1S/MOA08CLR013**

Matrix: Aqueous

Collection Date: 6/17/2008 2:15:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-01A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-01B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F1-2S/MOA08CLR014**

Matrix: Aqueous

Collection Date: 6/17/2008 2:44:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806184-02A	Analysis Date:	6/18/2008 12:47:33PM
Prep Date:	6/18/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623010		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806184-02B	Analysis Date:	6/17/2008 2:07:06PM
Prep Date:	6/17/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701006		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F1-3S/MOA08CLR015**

Matrix: Aqueous

Collection Date: 6/17/2008 3:00:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-03A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-03B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F1-4S/MOA08CLR016**

Matrix: Aqueous

Collection Date: 6/17/2008 3:15:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-04A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-04B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F2-1S/MOA08CLR017**

Matrix: Aqueous

Collection Date: 6/17/2008 3:57:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-05A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623010
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-05B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701006
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F2-2S/MOA08CLR018**

Matrix: Aqueous

Collection Date: 6/17/2008 4:04:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-06A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623010
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-06B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701006
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F2-3S/MOA08CLR019**

Matrix: Aqueous

Collection Date: 6/17/2008 4:14:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-07A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-07B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F2-4S/MOA08CLR020**

Matrix: Aqueous

Collection Date: 6/17/2008 4:34:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-08A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-08B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F3-1S/MOA08CLR021**

Matrix: Aqueous

Collection Date: 6/17/2008 5:14:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-09A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-09B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F3-2S/MOA08CLR022**

Matrix: Aqueous

Collection Date: 6/17/2008 5:22:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-10A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-10B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F3-3S/MOA08CLR023**

Matrix: Aqueous

Collection Date: 6/17/2008 5:30:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-11A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623010
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-11B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701006
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F3-4S/MOA08CLR024**

Matrix: Aqueous

Collection Date: 6/17/2008 5:50:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-12A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623010

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:47:33PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806184-12B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701006

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 2:07:06PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Environmental Laboratories, Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **F2-4S/MOA08CLR020-DUP**

Matrix: Aqueous

Collection Date: 6/17/2008 4:34:00PM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806184-13A	Analysis Date:	6/18/2008 12:47:33PM
Prep Date:	6/18/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623010		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Aqueous

Collection Date: 6/17/2008 12:00:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A080701006-MB	Analysis Date:	6/17/2008 2:07:06PM
Prep Date:	6/17/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701006		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska
Workorder (SDG): A0806184
Project: MOA Water Testing
Project Number:
Prep Batch: **A080623010**

QUALITY CONTROL REPORT

SAMPLE DUPLICATE REPORT

Analysis: SM2120B - Color, Visual Comparison Method - True Color

Base Sample: A0806184-08A
Prep Date: 6/18/2008

Samp. Anal. Date: 6/18/2008 12:47:33PM
DUP Anal. Date: 6/18/2008 12:47:33PM

Units: Color Unit
Matrix: Aqueous

Analyte Name	SampResult	DUPRes.	RPD	RPDLim	Flag
Color, true	ND	ND	0.0	0	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska

Workorder (SDG): A0806184

Project: MOA Water Testing

Project Number:

QUALITY CONTROL REPORT

Prep Batch: **A080701006**

SAMPLE DUPLICATE REPORT

Analysis: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Base Sample: A0806184-08B
Prep Date: 6/17/2008

Samp. Anal. Date: 6/17/2008 2:07:06PM
DUP Anal. Date: 6/17/2008 2:07:06PM

Units: mg/L
Matrix: Aqueous

Analyte Name	SampResult	DUPRes.	RPD	RPDLim	Flag
Chlorine, Residual	ND	ND	0.0	20	

LCS/LCSD REPORT

Analysis: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

MB: A080701006-MB
Prep Date: 6/17/2008

MB Anal. Date: 6/17/2008 2:07:06PM
LCS Anal. Date: 6/17/2008 2:07:06PM LCSD Anal. Date: 6/17/2008 2:07:06PM

Units: mg/L
Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
Chlorine, Residual	ND	0.0680	0.0700	0.0735	0.0735	92.5	95.2	2.9	85 - 115	20	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **88,729** **Lab Project Number:** **A0806184**

Prep Date: 6/17/2008

Lab Method Blank Id: A080701006-MB

Prep Batch ID: A080701006

Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A0806184-01B	F1-1S/MOA08CLR013		6/17/2008 2:07:06PM
A0806184-02B	F1-2S/MOA08CLR014		6/17/2008 2:07:06PM
A0806184-03B	F1-3S/MOA08CLR015		6/17/2008 2:07:06PM
A0806184-04B	F1-4S/MOA08CLR016		6/17/2008 2:07:06PM
A0806184-05B	F2-1S/MOA08CLR017		6/17/2008 2:07:06PM
A0806184-06B	F2-2S/MOA08CLR018		6/17/2008 2:07:06PM
A0806184-07B	F2-3S/MOA08CLR019		6/17/2008 2:07:06PM
A0806184-08B	F2-4S/MOA08CLR020		6/17/2008 2:07:06PM
A0806184-09B	F3-1S/MOA08CLR021		6/17/2008 2:07:06PM
A0806184-10B	F3-2S/MOA08CLR022		6/17/2008 2:07:06PM
A0806184-11B	F3-3S/MOA08CLR023		6/17/2008 2:07:06PM
A0806184-12B	F3-4S/MOA08CLR024		6/17/2008 2:07:06PM
A080701006-LCS	LCS		6/17/2008 2:07:06PM
A080701006-LCSD	LCSD		6/17/2008 2:07:06PM
A0806184-08B-DUP	DUP		6/17/2008 2:07:06PM

DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.
Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

Result Field:

ND = Not Detected at or above the Reporting Limit
NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Lower Control Limit
HIGH = Recovery , RPD, or other parameter is above Upper Control Limit
E = Reported concentration is above the instrument calibration upper range

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank
J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)
W = Post digestion spike did not meet criteria
S = Reported value determined by the Method of Standard Additions (MSA)

Several ways of defining the limit of detection and quantitation are prevalent in the laboratory industry and may appear in Analytica reports. These include the following:

MRL = "minimum reporting level", from the EPA Safe Drinking Water program (SDW)
PQL = "practical quantitation limit", from SW-846
EQL = "estimated quantitation limit", from SW-846
LOQ = "limit of quantitation", from a number of authoritative sources

In Analytica's work, all of these terms have the same meaning, equivalent to the EPA definition of the MRL. This reporting level is supported by a satisfactory calibration data point which is at that level or lower, and also is supported by a method detection limit (MDL) determined by the procedure in 40CFR. The MDL is lower than the MRL and represents an estimate of the level where positive detections have a 99% probability of being real, but where quantitation accuracy is unknown.

The MRL as defined by Analytica is the lowest demonstrated point of known quantitation accuracy.
The MRL should not be confused with the MCL, which is the EPA-defined "maximum contaminant level" allowed for certain regulated targets under specific regulations, such as the National Primary Drinking Water Regulations. Normally, the MRL is set at a level which is much lower than the MCL in order to ensure that levels are well below those limits. Not all target analytes have MCL levels established.

Other Flags may be applied. See Case Narrative for Description

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806184

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

REPORTING CONVENTIONS FOR THIS REPORT

A0806184

TestPkgName	Basis	# Sig Figs	Reporting Limit
2120B/2120B (Aqueous) - True Color	As Received	2	Report to PQL
4500-ClG/4500-ClG (Aqueous) - FieldTest-TotRes Chlo	As Received	2	Report to PQL

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
Analytica Alaska Incorporated 4307 Arctic Blvd. Anchorage, AK 99503 (907) 562-2343 LGN-A0806184	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE:	P.O. #: AK08-1010	KLI Proj. #: 516.02

ANALYSIS TYPE: Color determination (SM 2120B).
Data to be reported in printed and digital formats.

MATRIX: Water	Preservative: None, 4° C	Type of Container: 250-mL HDPE

STATION LOCATION	COLOR SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
F1-1S	MOA08CLR013	6/17/08 1415		
F1-2S	MOA08CLR014	1444		
F1-3S	MOA08CLR015	1500		
F1-4S	MOA08CLR016	1575		
F2-1S	MOA08CLR017	1557		
F2-2S	MOA08CLR018	1604		
F2-3S	MOA08CLR019	1614		
F2-4S	MOA08CLR020	1634		
F3-1S	MOA08CLR021	1714		
F3-2S	MOA08CLR022	1722		
F3-3S	MOA08CLR023	1730		
F3-4S	MOA08CLR024	1750		

One in ten color samples should also be run in duplicate. Please report duplicates with a "D" or "DUP" appended to the SAMPLE ID.

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[illegible]	6/18/08 1:30	[illegible]	[illegible]	6/18/08 1:00 pm
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

C:\Projects\MOA\Moa08\Field_08_Tim\COCs\tmRW_color08_AnalyticaCOC.wpd

4.5°c

SP-Analytica, Inc.-Anchorage
4307 Arctic Blvd.
Anchorage, AK 99503
Phone: 907-258-2155
Fax: 907-258-6634

ANALYTICA
Environmental Laboratories

7/2/2008

Kinnetic Laboratories
1102 W. 7th
Anchorage, AK 99501
Attn: Tim Mayers

Work Order #: A0806185
Date: 7/2/2008
Work ID: MOA Water Testing
Date Received: 6/18/2008
Proj #: 516-02

Sample Identification

Lab Sample Number	Client Description	Lab Sample Number	Client Description
A0806185-01	E1-1S/MOA08CLR001	A0806185-02	E1-2S/MOA08CLR002
A0806185-03	E1-3S/MOA08CLR003	A0806185-04	E1-4S/MOA08CLR004
A0806185-05	E2-1S/MOA08CLR005	A0806185-06	E2-2S/MOA08CLR006
A0806185-07	E2-3S/MOA08CLR007	A0806185-08	E2-4S/MOA08CLR008
A0806185-09	E3-1S/MOA08CLR009	A0806185-10	E3-2S/MOA08CLR010
A0806185-11	E3-3S/MOA08CLR011	A0806185-12	E3-4S/MOA08CLR012
A0806185-13	E3-2S/MOA08CLR010-DUP		

Enclosed are the analytical results for the submitted sample(s). Please review the CASE NARRATIVE for a discussion of any data and/or quality control issues. Listings of data qualifiers, analytical codes, key dates, and QC relationships are provided at the end of the report.

Sincerely,

House
Project Manager

"The Science of Analysis, The Art of Service"

Case Narrative

Analytica Alaska Inc.
Work Order: A0806185

Narrative Generated on 7/2/2008 3:21:07 PM
Samples were prepared and analyzed according to EPA or equivalent methods outlined in the following references:

REVIEW FOR COMPLIANCE WITH ANALYTICA QA PLAN
A summary of our review is shown below, organized by test:

SAMPLE RECEIPT:
There were 12 samples received on 6/18/2008 1:00:00 PM.
Samples were received at a temperature of 4.5 deg C.in cooler 1 at Analytica-Anchorage.
The cooler was opened on 6/18/2008.
Comments: Samples were received in good condition and in order per chain of custody

Test Method: SM2120B - Color, Visual Comparison Method - True Color - Aqueous

This analysis was performed in the field by Analytica.
Test Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes Chlor - Aqueous

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E1-1S/MOA08CLR001**

Matrix: Aqueous

Collection Date: 6/17/2008 7:15:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-01A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-01B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E1-2S/MOA08CLR002**

Matrix: Aqueous

Collection Date: 6/17/2008 7:37:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-02A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623011

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-02B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701007

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E1-3S/MOA08CLR003**

Matrix: Aqueous

Collection Date: 6/17/2008 7:53:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-03A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-03B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E1-4S/MOA08CLR004**

Matrix: Aqueous

Collection Date: 6/17/2008 8:17:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806185-04A	Analysis Date:	6/18/2008 12:57:26PM
Prep Date:	6/18/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623011		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806185-04B	Analysis Date:	6/17/2008 6:01:53PM
Prep Date:	6/17/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701007		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E2-1S/MOA08CLR005**

Matrix: Aqueous

Collection Date: 6/17/2008 8:55:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-05A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623011

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-05B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701007

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E2-2S/MOA08CLR006**

Matrix: Aqueous

Collection Date: 6/17/2008 9:01:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-06A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-06B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E2-3S/MOA08CLR007**

Matrix: Aqueous

Collection Date: 6/17/2008 9:08:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-07A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-07B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E2-4S/MOA08CLR008**

Matrix: Aqueous

Collection Date: 6/17/2008 9:24:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806185-08A	Analysis Date:	6/18/2008 12:57:26PM
Prep Date:	6/18/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623011		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806185-08B	Analysis Date:	6/17/2008 6:01:53PM
Prep Date:	6/17/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701007		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E3-1S/MOA08CLR009**

Matrix: Aqueous

Collection Date: 6/17/2008 10:53:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-09A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623011

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-09B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701007

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	POL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E3-2S/MOA08CLR010**

Matrix: Aqueous

Collection Date: 6/17/2008 11:02:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-10A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-10B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG ; Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: **Client Sample Report**

Client Sample Name: **E3-3S/MOA08CLR011**

Matrix: Aqueous

Collection Date: 6/17/2008 11:14:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-11A

Prep Date: 6/18/2008

Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color

Prep Method ID: 2120B

Prep Batch Number: A080623011

Report Basis: As Received

Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM

Instrument: Visual Analysi

File Name:

Dilution Factor: 1

Analyst Initials: dl

Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-11B

Prep Date: 6/17/2008

Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Prep Method ID: 4500-ClG

Prep Batch Number: A080701007

Report Basis: As Received

Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM

Instrument: Titrametric

File Name:

Dilution Factor: 1

Analyst Initials: JQ

Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E3-4S/MOA08CLR012**

Matrix: Aqueous

Collection Date: 6/17/2008 11:40:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-12A
Prep Date: 6/18/2008
Analytical Method ID: SM2120B - Color, Visual Comparison Method - True Color
Prep Method ID: 2120B
Prep Batch Number: A080623011
Report Basis: As Received
Sample prep wt./vol: 50.00 ml

Analysis Date: 6/18/2008 12:57:26PM
Instrument: Visual Analysi
File Name:
Dilution Factor: 1
Analyst Initials: dl
Prep Extract Vol: 50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

The following test was conducted by: Analytica - Anchorage

Lab Sample Number: A0806185-12B
Prep Date: 6/17/2008
Analytical Method ID: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C
Prep Method ID: 4500-ClG
Prep Batch Number: A080701007
Report Basis: As Received
Sample prep wt./vol: 200.00 ml

Analysis Date: 6/17/2008 6:01:53PM
Instrument: Titrametric
File Name:
Dilution Factor: 1
Analyst Initials: JQ
Prep Extract Vol: 200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Client Sample Report

Client Sample Name: **E3-2S/MOA08CLR010-DUP**

Matrix: Aqueous

Collection Date: 6/17/2008 11:02:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A0806185-13A	Analysis Date:	6/18/2008 12:57:00PM
Prep Date:	6/18/2008	Instrument:	Visual Analysi
Analytical Method ID:	SM2120B - Color, Visual Comparison Method - True Color	File Name:	
Prep Method ID:	2120B	Dilution Factor:	1
Prep Batch Number:	A080623011		
Report Basis:	As Received	Analyst Initials:	dl
Sample prep wt./vol:	50.00 ml	Prep Extract Vol:	50.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Color, true		ND		Color Unit	5.0	5.0	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Report Section: Method Blank Report

Client Sample Name: **MB**

Matrix: Aqueous

Collection Date: 6/17/2008 12:00:00AM

The following test was conducted by: Analytica - Anchorage

Lab Sample Number:	A080701007-MB	Analysis Date:	6/17/2008 6:01:53PM
Prep Date:	6/17/2008	Instrument:	Titrametric
Analytical Method ID:	SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C	File Name:	
Prep Method ID:	4500-ClG	Dilution Factor:	1
Prep Batch Number:	A080701007		
Report Basis:	As Received	Analyst Initials:	JQ
Sample prep wt./vol:	200.00 ml	Prep Extract Vol:	200.00 ml

Analyte	CASNo	Result	Flags	Units	PQL	MDL	run #:
Chlorine, Residual		ND		mg/L	0.10	0.10	1

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska
Workorder (SDG): A0806185
Project: MOA Water Testing
Project Number:
Prep Batch: **A080623011**

QUALITY CONTROL REPORT

SAMPLE DUPLICATE REPORT

Analysis: SM2120B - Color, Visual Comparison Method - True Color

Base Sample: A0806185-10A
Prep Date: 6/18/2008

Samp. Anal. Date: 6/18/2008 12:57:26PM
DUP Anal. Date: 6/18/2008 12:57:26PM

Units: Color Unit
Matrix: Aqueous

Analyte Name	SampResult	DUPRes.	RPD	RPDLim	Flag
Color, true	ND	ND	0.0	0	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

Tests Run at: Analytica Environmental Laboratories - Anchorage, Alaska

Workorder (SDG): A0806185

Project: MOA Water Testing

Project Number:

Prep Batch: **A080701007**

QUALITY CONTROL REPORT

SAMPLE DUPLICATE REPORT

Analysis: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

Base Sample: A0806185-07B
Prep Date: 6/17/2008

Samp. Anal. Date: 6/17/2008 6:01:53PM
DUP Anal. Date: 6/17/2008 6:01:53PM

Units: mg/L
Matrix: Aqueous

Analyte Name	SampResult	DUPRes.	RPD	RPDLim	Flag
Chlorine, Residual	ND	ND	0.0	20	

LCS/LCSD REPORT

Analysis: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

MB: A080701007-MB
Prep Date: 6/17/2008

MB Anal. Date: 6/17/2008 6:01:53PM
LCS Anal. Date: 6/17/2008 6:01:53PM LCSD Anal. Date: 6/17/2008 6:01:53PM

Units: mg/L
Matrix: Aqueous

Analyte Name	SampResult	LCSRes.	SDRes.	SPLev	SPDLev	Recov.	SD Recov	RPD	Recov Lim	RPDLim	Flag
Chlorine, Residual	ND	0.0720	0.0700	0.0735	0.0735	97.9	95.2	2.8	85 - 115	20	

FOOTNOTES TO QC REPORT

Note 1: Results are shown to three significant figures to avoid rounding errors in calculations.

Note 2: If the sample concentration is greater than 4 times the spike level, a recovery is not meaningful, and the result should be used as a replicate. In such cases the spike is not as high as expected random measurement variability of the sample result itself.

Note 3: For sample duplicates, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample and duplicate results are not five times the PQL or greater, then the RPD is not expected to fall within the window shown and the comparison should be made on the basis of the absolute difference. Analytica uses the criterion that the absolute difference should be less than the PQL for water or less than 2XPQL for other matrices.

Note 4: For serial dilutions, if the result is less than the PQL, the duplicate RPD is not applicable. If the sample result is not 50 times the MDL or greater, then the fact that the RPD does not meet the 10% criterion has little signifcance. Otherwise it indicates that a matrix bias may exist at the analytical step.

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

QC BATCH ASSOCIATIONS - BY METHOD BLANK

Lab Project ID: **88,733** **Lab Project Number:** **A0806185**

Prep Date: 6/17/2008

Lab Method Blank Id: A080701007-MB

Prep Batch ID: A080701007

Method: SM4500-ClG , Chlorine by Colormetric DPD - FieldTest-TotRes C

This Method blank and sample preparation batch are associated with the following samples, spikes, and duplicates:

SampleNum	ClientSampleName	DataFile	AnalysisDate
A0806185-01B	E1-1S/MOA08CLR001		6/17/2008 6:01:53PM
A0806185-02B	E1-2S/MOA08CLR002		6/17/2008 6:01:53PM
A0806185-03B	E1-3S/MOA08CLR003		6/17/2008 6:01:53PM
A0806185-04B	E1-4S/MOA08CLR004		6/17/2008 6:01:53PM
A0806185-05B	E2-1S/MOA08CLR005		6/17/2008 6:01:53PM
A0806185-06B	E2-2S/MOA08CLR006		6/17/2008 6:01:53PM
A0806185-07B	E2-3S/MOA08CLR007		6/17/2008 6:01:53PM
A0806185-08B	E2-4S/MOA08CLR008		6/17/2008 6:01:53PM
A0806185-09B	E3-1S/MOA08CLR009		6/17/2008 6:01:53PM
A0806185-10B	E3-2S/MOA08CLR010		6/17/2008 6:01:53PM
A0806185-11B	E3-3S/MOA08CLR011		6/17/2008 6:01:53PM
A0806185-12B	E3-4S/MOA08CLR012		6/17/2008 6:01:53PM
A080701007-LCS	LCS		6/17/2008 6:01:53PM
A080701007-LCSD	LCSD		6/17/2008 6:01:53PM
A0806185-07B-DUP	DUP		6/17/2008 6:01:53PM

DATA FLAGS AND DEFINITIONS

The PQL is the Method Quantitation Limit as defined by USACE.
Reporting Limit: Limit below which results are shown as "ND". This may be the PQL, MDL, or a value between. See the report conventions below.

Result Field:

ND = Not Detected at or above the Reporting Limit
NA = Analyte not applicable (see Case Narrative for discussion)

Qualifier Fields:

LOW = Recovery is below Lower Control Limit
HIGH = Recovery , RPD, or other parameter is above Upper Control Limit
E = Reported concentration is above the instrument calibration upper range

Organic Analysis Flags:

B = Analyte was detected in the laboratory method blank
J = Analyte was detected above MDL or Reporting Limit but below the Quant Limit (PQL)

Inorganic Analysis Flags:

J = Analyte was detected above the Reporting Limit but below the Quant Limit (PQL)
W = Post digestion spike did not meet criteria
S = Reported value determined by the Method of Standard Additions (MSA)

Several ways of defining the limit of detection and quantitation are prevalent in the laboratory industry and may appear in Analytica reports. These include the following:

MRL = "minimum reporting level", from the EPA Safe Drinking Water program (SDW)
PQL = "practical quantitation limit", from SW-846
EQL = "estimated quantitation limit", from SW-846
LOQ = "limit of quantitation", from a number of authoritative sources

In Analytica's work, all of these terms have the same meaning, equivalent to the EPA definition of the MRL. This reporting level is supported by a satisfactory calibration data point which is at that level or lower, and also is supported by a method detection limit (MDL) determined by the procedure in 40CFR. The MDL is lower than the MRL and represents an estimate of the level where positive detections have a 99% probability of being real, but where quantitation accuracy is unknown.

The MRL as defined by Analytica is the lowest demonstrated point of known quantitation accuracy.
The MRL should not be confused with the MCL, which is the EPA-defined "maximum contaminant level" allowed for certain regulated targets under specific regulations, such as the National Primary Drinking Water Regulations. Normally, the MRL is set at a level which is much lower than the MCL in order to ensure that levels are well below those limits. Not all target analytes have MCL levels established.

Other Flags may be applied. See Case Narrative for Description

Detailed Analytical Report

Analytica Alaska Inc.

Workorder (SDG): A0806185

Project: **MOA Water Testing**

Client: **Kinnetic Laboratories**

Client Project Number: **516-02**

REPORTING CONVENTIONS FOR THIS REPORT

A0806185

TestPkgName	Basis	# Sig Figs	Reporting Limit
2120B/2120B (Aqueous) - True Color	As Received	2	Report to PQL
4500-ClG/4500-ClG (Aqueous) - FieldTest-TotRes Chlo	As Received	2	Report to PQL

KINNETIC LABORATORIES, INC. CHAIN OF CUSTODY RECORD

LABORATORY:	FROM:
Analytica Alaska Incorporated 4307 Arctic Blvd. Anchorage, AK 99503 (907) 562-2343 LGN-A0806185	Kinnetic Laboratories, Inc. 1102 West 7th Avenue Anchorage, AK 99501 Attn: Tim Mayers (907)276-6178

REQUIRED COMPLETION DATE:	P.O. #: AK08-1010	KLI Proj. #: 516.02

ANALYSIS TYPE: Color determination (SM 2120B).
Data to be reported in printed and digital formats.

MATRIX: Water	Preservative: None, 4° C	Type of Container: 250-mL HDPE

STATION LOCATION	COLOR SAMPLE ID	DATE/TIME	LAB ID	COMMENTS
E1-1S	MOA08CLR001	6/17/08 0715		
E1-2S	MOA08CLR002	0737		
E1-3S	MOA08CLR003	0753		
E1-4S	MOA08CLR004	0817		
E2-1S	MOA08CLR005	0855		
E2-2S	MOA08CLR006	0901		
E2-3S	MOA08CLR007	0908		
E2-4S	MOA08CLR008	0924		
E3-1S	MOA08CLR009	1053		
E3-2S	MOA08CLR010	1102		
E3-3S	MOA08CLR011	1114		
E3-4S	MOA08CLR012	1140		

One in ten color samples should also be run in duplicate. Please report duplicates with a "D" or "DUP" appended to the SAMPLE ID.

RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[signature]	6/18/08	[signature]	[signature]	6/18/08 2285
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME
[signature]	6/18/08 1300	[signature]	[signature]	6/18/08 1:00 pm
RELINQUISHED BY:	DATE/TIME	TRANSPORTED BY:	RECEIVED BY:	DATE/TIME

45°c

APPENDIX C

Receiving Water Quality Monitoring

C7 Turbidity and Salinity

Kinnetic Laboratories, Inc.

KINNETIC LABORATORIES, INC.
TURBIDITY DATA LOG

CLIENT: MUNICIPALITY OF ANCHORAGE AWWU
PROJECT: SUMMER 2008 JOHN M. ASPLUND WPCF RECEIVING WATER QUALITY

CALIBRATION STANDARDS:

	STD 1:	READ	DATE	TIME
Turbidity	0.02	0.02	6/17/08	16:55

SAMPID	STATION	SAMPLE DATE	SAMPLE TIME	ANALYSIS DATE	ANALYSIS TIME	DILUTION FACTOR	MEASURED TURBIDITY (NTU)	ACTUAL TURBIDITY (NTU)
MOA08TUR0001	E1-1S	6/17/2008	7:15	6/17/08	17:00	0	55	55
MOA08TUR0002	E1-1M	6/17/2008	7:15	6/17/08	17:02	0	187	187
MOA08TUR0003	E1-1B	6/17/2008	7:15	6/17/08	17:05	0	250	250
MOA08TUR0004	E1-2S	6/17/2008	7:37	6/17/08	17:07	0	158	158
MOA08TUR0005	E1-2M	6/17/2008	7:37	6/17/08	17:10	0	226	226
MOA08TUR0006	E1-2B	6/17/2008	7:37	6/17/08	17:12	0	353	353
MOA08TUR0007	E1-3S	6/17/2008	7:53	6/17/08	17:15	0	67/61	67/61
MOA08TUR0008	E1-3M	6/17/2008	7:53	6/17/08	17:17	0	132	132
MOA08TUR0009	E1-3B	6/17/2008	7:53	6/17/08	17:20	0	271	271
MOA08TUR0010	E1-4S	6/17/2008	8:17	6/17/08	17:23	0	32	32
MOA08TUR0011	E1-4M	6/17/2008	8:17	6/17/08	17:25	0	83	83
MOA08TUR0012	E1-4B	6/17/2008	8:17	6/17/08	17:27	0	408	408
MOA08TUR0013	E2-1S	6/17/2008	8:55	6/17/08	17:30	0	349	349
MOA08TUR0014	E2-1M	6/17/2008	8:55	6/17/08	17:33	0	325/385	325/385
MOA08TUR0015	E2-1B	6/17/2008	8:55	6/17/08	17:35	0	376	376
MOA08TUR0016	E2-2S	6/17/2008	9:01	6/17/08	17:37	0	378	378
MOA08TUR0017	E2-2M	6/17/2008	9:01	6/17/08	17:39	0	373	373
MOA08TUR0018	E2-2B	6/17/2008	9:01	6/17/08	17:43	0	337	337
MOA08TUR0019	E2-3S	6/17/2008	9:08	6/17/08	17:45	0	336	336
MOA08TUR0020	E2-3M	6/17/2008	9:08	6/17/08	17:47	0	354	354
MOA08TUR0021	E2-3B	6/17/2008	9:08	6/17/08	17:50	0	346/342	346/342
MOA08TUR0022	E2-4S	6/17/2008	9:24	6/17/08	17:52	0	307	307
MOA08TUR0023	E2-4M	6/17/2008	9:24	6/17/08	17:55	0	326	326
MOA08TUR0024	E2-4B	6/17/2008	9:24	6/17/08	17:58	0	322	322
MOA08TUR0025	E3-1S	6/17/2008	10:53	6/17/08	18:02	0	384	384
MOA08TUR0026	E3-1M	6/17/2008	10:53	6/17/08	18:05	0	418	418
MOA08TUR0027	E3-1B	6/17/2008	10:53	6/17/08	18:07	0	411	411
MOA08TUR0028	E3-2S	6/17/2008	11:02	6/17/08	18:09	0	371/379	371/379
MOA08TUR0029	E3-2M	6/17/2008	11:02	6/17/08	18:12	0	406	406
MOA08TUR0030	E3-2B	6/17/2008	11:02	6/17/08	18:14	0	418	418
MOA08TUR0031	E3-3S	6/17/2008	11:14	6/17/08	18:16	0	318	318
MOA08TUR0032	E3-3M	6/17/2008	11:14	6/17/08	18:18	0	391	391
MOA08TUR0033	E3-3B	6/17/2008	11:14	6/17/08	18:20	0	407	407
MOA08TUR0034	E3-4S	6/17/2008	11:40	6/17/08	18:22	0	149	149
MOA08TUR0035	E3-4M	6/17/2008	11:40	6/17/08	18:25	0	383/392	383/392
MOA08TUR0036	E3-4B	6/17/2008	11:40	6/17/08	18:27	0	438	438

ANALYZED BY: T. Wayers DATE: 6/17/08 SIGNATURE:

KINNETIC LABORATORIES, INC.
TURBIDITY DATA LOG

CLIENT: MUNICIPALITY OF ANCHORAGE AWWU
PROJECT: SUMMER 2008 JOHN M. ASPLUND WPCF RECEIVING WATER QUALITY

CALIBRATION STANDARDS:

	STD 1:	READ	DATE	TIME
Turbidity	0.02	0.02	6/17/08	18:30

SAMPID	STATION	SAMPLE DATE	SAMPLE TIME	ANALYSIS DATE	ANALYSIS TIME	DILUTION FACTOR	MEASURED TURBIDITY (NTU)	ACTUAL TURBIDITY (NTU)
MOA08TUR0037	F1-1S	6/17/2008	14:15	6/17/08	18:33	0	158	158
MOA08TUR0038	F1-1M	6/17/2008	14:15	6/17/08	18:35	0	159	159
MOA08TUR0039	F1-1B	6/17/2008	14:15	6/17/08	18:37	0	181	181
MOA08TUR0040	F1-2S	6/17/2008	14:44	6/17/08	18:39	0	172	172
MOA08TUR0041	F1-2M	6/17/2008	14:44	6/17/08	18:43	0	178	178
MOA08TUR0042	F1-2B	6/17/2008	14:44	6/17/08	18:45	0	195/194	195/194
MOA08TUR0043	F1-3S	6/17/2008	15:00	6/17/08	18:47	0	180	180
MOA08TUR0044	F1-3M	6/17/2008	15:00	6/17/08	18:49	0	185	185
MOA08TUR0045	F1-3B	6/17/2008	15:00	6/17/08	18:52	0	189	189
MOA08TUR0046	F1-4S	6/17/2008	15:15	6/17/08	18:54	0	156	156
MOA08TUR0047	F1-4M	6/17/2008	15:15	6/17/08	18:56	0	175	175
MOA08TUR0048	F1-4B	6/17/2008	15:15	6/17/08	18:58	0	179	179
MOA08TUR0049	F2-1S	6/17/2008	15:57	6/18/08	12:51	0	363	363
MOA08TUR0050	F2-1M	6/17/2008	15:57	6/18/08	12:55	0	322	322
MOA08TUR0051	F2-1B	6/17/2008	15:57	6/18/08	12:57	0	404	404
MOA08TUR0052	F2-2S	6/17/2008	16:04	6/18/08	12:59	0	393	393
MOA08TUR0053	F2-2M	6/17/2008	16:04	6/18/08	13:01	0	489	489
MOA08TUR0054	F2-2B	6/17/2008	16:04	6/18/08	13:02	0	417	417
MOA08TUR0055	F2-3S	6/17/2008	16:14	6/18/08	13:04	0	440	440
MOA08TUR0056	F2-3M	6/17/2008	16:14	6/18/08	13:06	0	433	433
MOA08TUR0057	F2-3B	6/17/2008	16:14	6/18/08	13:08	0	430	430
MOA08TUR0058	F2-4S	6/17/2008	16:34	6/18/08	13:10	0	277	277
MOA08TUR0059	F2-4M	6/17/2008	16:34	6/18/08	13:12	0	430	430
MOA08TUR0060	F2-4B	6/17/2008	16:34	6/18/08	13:14	0	458	458
MOA08TUR0061	F3-1S	6/17/2008	17:14	6/18/08	13:16	0	250/249	250/249
MOA08TUR0062	F3-1M	6/17/2008	17:14	6/18/08	13:18	0	258	258
MOA08TUR0063	F3-1B	6/17/2008	17:14	6/18/08	13:20	0	274	274
MOA08TUR0064	F3-2S	6/17/2008	17:22	6/18/08	13:22	0	279	279
MOA08TUR0065	F3-2M	6/17/2008	17:22	6/18/08	13:24	0	294	294
MOA08TUR0066	F3-2B	6/17/2008	17:22	6/18/08	13:26	0	282	282
MOA08TUR0067	F3-3S	6/17/2008	17:30	6/18/08	13:28	0	261	261
MOA08TUR0068	F3-3M	6/17/2008	17:30	6/18/08	13:30	0	316/304	316/304
MOA08TUR0069	F3-3B	6/17/2008	17:30	6/18/08	13:32	0	327	327
MOA08TUR0070	F3-4S	6/17/2008	17:50	6/18/08	13:34	0	134	134
MOA08TUR0071	F3-4M	6/17/2008	17:50	6/18/08	13:36	0	299	299
MOA08TUR0072	F3-4B	6/17/2008	17:50	6/18/08	13:38	0	300	300

ANALYZED BY: G. G. LAWLEY DATE: 6/18/08 SIGNATURE: [signature]

KINNETIC LABORATORIES, INC.
TURBIDITY DATA LOG

CLIENT: MUNICIPALITY OF ANCHORAGE AWWU
PROJECT: SUMMER 2008 JOHN M. ASPLUND WPCF RECEIVING WATER QUALITY

CALIBRATION STANDARDS:

	STD 1:	READ	DATE	TIME
Turbidity	0.02	0.02	6/19/08	12:10

SAMPID	STATION	SAMPLE DATE	SAMPLE TIME	ANALYSIS DATE	ANALYSIS TIME	DILUTION FACTOR	MEASURED TURBIDITY (NTU)	ACTUAL TURBIDITY (NTU)
MOA08TUR0073	C1-1S	6/18/2008	14:54	6/19/08	12:21	0	234	234
MOA08TUR0074	C1-1M	6/18/2008	14:54	6/19/08	12;22	0	402	402
MOA08TUR0075	C1-1B	6/18/2008	14:54	6/19/08	12;24	0	469	469
MOA08TUR0076	C1-2S	6/18/2008	15:12	6/19/08	12:25	0	222	222
MOA08TUR0077	C1-2M	6/18/2008	15:12	6/19/08	12:27	0	199	199
MOA08TUR0078	C1-2B	6/18/2008	15:12	6/19/08	12:30	0	234	234
MOA08TUR0079	C1-3S	6/18/2008	15:45	6/19/08	12:11	0	263	263
MOA08TUR0080	C1-3M	6/18/2008	15:45	6/19/08	12:17	0	274/292	274/292
MOA08TUR0081	C1-3B	6/18/2008	15:45	6/19/08	12:18	0	329	329
MOA08TUR0082	C1-4S	6/18/2008	16:13	6/19/08	12:19	0	316	316
MOA08TUR0083	C1-4M	6/18/2008	16:13	6/19/08	12;33	0	340	340
MOA08TUR0084	C1-4B	6/18/2008	16:13	6/19/08	12:35	0	340	340
MOA08TUR0085	C2-1S	6/18/2008	16:34	6/19/08	12:36	0	139/137	139/137
MOA08TUR0086	C2-1M	6/18/2008	16:34	6/19/08	12:38	0	258	258
MOA08TUR0087	C2-1B	6/18/2008	16:34	6/19/08	12:40	0	230	230
MOA08TUR0088	C2-2S A	6/18/2008	16:44	6/19/08	12:41	0	193	193
MOA08TUR0089	C2-2S B	6/18/2008	16:44	6/19/08	12:43	0	198	198
MOA08TUR0090	C2-2S C	6/18/2008	16:44	6/19/08	12:44	0	189	189
MOA08TUR0091	C2-2M	6/18/2008	16:44	6/19/08	12:46	0	205	205
MOA08TUR0092	C2-2B	6/18/2008	16:44	6/19/08	12:48	0	206	206
MOA08TUR0093	C2-3S	6/18/2008	16:59	6/19/08	12:50	0	206/208	206/208
MOA08TUR0094	C2-3M	6/18/2008	16:59	6/19/08	12:52	0	224	224
MOA08TUR0095	C2-3B	6/18/2008	16:59	6/19/08	12:53	0	232	232
MOA08TUR0096	C2-4S	6/18/2008	17:14	6/19/08	13:29	0	209	209
MOA08TUR0097	C2-4M	6/18/2008	17:14	6/19/08	13:31	0	285	285
MOA08TUR0098	C2-4B	6/18/2008	17:14	6/19/08	13:32	0	477	477
MOA08TUR0099	C3-1S A	6/18/2008	17:58	6/19/08	13:33	0	331	331
MOA08TUR0100	C3-1S B	6/18/2008	17:58	6/19/08	13:35	0	348	348
MOA08TUR0101	C3-1S C	6/18/2008	17:58	6/19/08	13:35	0	328	328
MOA08TUR0102	C3-1M	6/18/2008	17:58	6/19/08	13:36	0	393	393
MOA08TUR0103	C3-1B	6/18/2008	17:58	6/19/08	13:37	0	430	430
MOA08TUR0104	C3-2S	6/18/2008	18:06	6/19/08	12:55	0	283	283
MOA08TUR0105	C3-2M	6/18/2008	18:06	6/19/08	12:57	0	345	345
MOA08TUR0106	C3-2B	6/18/2008	18:06	6/19/08	12:59	0	418	418
MOA08TUR0107	C3-3S	6/18/2008	18:28	6/19/08	13:37	0	308	308
MOA08TUR0108	C3-3M	6/18/2008	18:28	6/19/08	13:38	0	389/386	389/386
MOA08TUR0109	C3-3B	6/18/2008	18:28	6/19/08	13:40	0	389	389
MOA08TUR0110	C3-4S	6/18/2008	18:40	6/19/08	13:42	0	368	368
MOA08TUR0111	C3-4M	6/18/2008	18:40	6/19/08	13:42	0	402	402
MOA08TUR0112	C3-4B	6/18/2008	18:40	6/19/08	13:44	0	404	404

ANALYZED BY: GG CAWLEY DATE: 6/18/08 SIGNATURE: [illegible]

APPENDIX C

Receiving Water Quality Monitoring

C8 Hydrographic Data Profiles

Kinnetic Laboratories, Inc.

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C1-1 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.644	1.830	14.548	8.09	9.44	135	10.663	0
1.0	12.542	1.847	14.739	8.09	9.44	141	10.825	0
1.5	12.501	1.859	14.863	8.09	9.41	136	10.927	0
2.0	12.480	1.861	14.888	8.09	9.40	132	10.950	0
2.5	12.439	1.865	14.934	8.09	9.38	132	10.992	0
3.0	12.383	1.868	14.985	8.09	9.38	128	11.040	0
3.5	12.317	1.873	15.050	8.09	9.38	129	11.100	0
4.0	12.308	1.876	15.081	8.10	9.38	136	11.126	0
4.5	12.307	1.877	15.095	8.09	9.39	133	11.136	0
5.0	12.302	1.879	15.109	8.10	9.39	133	11.148	0
5.5	12.289	1.880	15.122	8.10	9.38	133	11.160	0
6.0	12.280	1.880	15.132	8.10	9.39	135	11.169	0
6.5	12.269	1.881	15.147	8.10	9.39	134	11.182	0
7.0	12.255	1.881	15.152	8.10	9.37	136	11.188	0
7.5	12.250	1.881	15.153	8.10	9.37	140	11.190	0
8.0	12.251	1.881	15.153	8.10	9.37	143	11.190	0
8.5	12.249	1.881	15.150	8.10	9.37	141	11.188	0
9.0	12.258	1.881	15.149	8.10	9.37	146	11.185	0
9.5	12.277	1.882	15.151	8.10	9.37	150	11.185	0
10.0	12.290	1.884	15.156	8.10	9.37	154	11.186	0
10.5	12.302	1.884	15.159	8.09	9.39	155	11.186	0
11.0	12.335	1.886	15.159	8.09	9.40	148	11.181	0
11.5	12.344	1.887	15.162	8.09	9.40	130	11.182	0
12.0	12.351	1.886	15.155	8.09	9.39	124	11.176	0
12.5	12.312	1.885	15.158	8.09	9.39	119	11.184	0
13.0	12.259	1.882	15.150	8.09	9.38	119	11.186	0
13.5	12.236	1.875	15.101	8.09	9.35	137	11.152	0
14.0	12.269	1.877	15.109	8.09	9.35	176	11.153	0
14.5	12.296	1.882	15.135	8.09	9.36	174	11.169	0
15.0	12.311	1.884	15.152	8.09	9.35	158	11.180	0
15.5	12.327	1.886	15.159	8.08	9.36	139	11.182	0
16.0	12.345	1.887	15.161	8.08	9.36	131	11.181	0
16.5	12.347	1.887	15.163	8.08	9.36	121	11.183	0
17.0	12.336	1.887	15.166	8.08	9.36	119	11.187	0
17.5	12.313	1.887	15.179	8.08	9.36	119	11.200	0
18.0	12.291	1.888	15.194	8.08	9.36	120	11.215	0
18.5	12.270	1.890	15.223	8.08	9.36	122	11.241	0
19.0	12.273	1.897	15.282	8.08	9.36	144	11.286	0
19.5	12.286	1.903	15.330	8.08	9.37	185	11.321	0
20.0	12.288	1.905	15.342	8.08	9.38	209	11.330	0
20.5	12.286	1.906	15.355	8.08	9.39	212	11.340	0
21.0	12.284	1.907	15.361	8.07	9.38	214	11.345	0
21.5	12.282	1.907	15.362	8.07	9.36	213	11.346	0
22.0	12.282	1.906	15.356	8.06	9.36	216	11.342	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C1-2 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.544	1.852	14.785	8.08	9.36	118	10.861	0
1.0	12.554	1.857	14.821	8.08	9.35	131	10.887	0
1.5	12.562	1.861	14.856	8.08	9.35	129	10.912	0
2.0	12.571	1.864	14.876	8.08	9.34	129	10.927	0
2.5	12.588	1.867	14.891	8.07	9.34	127	10.936	0
3.0	12.598	1.868	14.903	8.07	9.36	127	10.944	0
3.5	12.599	1.869	14.906	8.07	9.35	128	10.946	0
4.0	12.594	1.869	14.907	8.07	9.35	129	10.947	0
4.5	12.587	1.868	14.907	8.07	9.34	130	10.948	0
5.0	12.583	1.867	14.894	8.07	9.33	130	10.939	0
5.5	12.590	1.868	14.905	8.07	9.32	130	10.947	0
6.0	12.599	1.871	14.923	8.07	9.33	130	10.959	0
6.5	12.608	1.874	14.945	8.07	9.34	134	10.974	0
7.0	12.610	1.876	14.965	8.07	9.35	135	10.989	0
7.5	12.614	1.878	14.974	8.07	9.35	135	10.996	0
8.0	12.614	1.878	14.976	8.07	9.34	135	10.997	0
8.5	12.613	1.878	14.982	8.07	9.32	136	11.002	0
9.0	12.609	1.879	14.986	8.07	9.31	136	11.006	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C1-3 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.542	1.872	14.955	8.08	9.33	221	10.992	0
1.0	12.534	1.871	14.955	8.07	9.32	221	10.993	0
1.5	12.517	1.871	14.957	8.07	9.33	222	10.998	0
2.0	12.503	1.871	14.961	8.07	9.32	228	11.003	0
2.5	12.483	1.871	14.967	8.07	9.34	245	11.010	0
3.0	12.481	1.870	14.966	8.07	9.34	269	11.010	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C1-4 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.667	1.864	14.841	8.06	9.33	213	10.885	0
1.0	12.652	1.868	14.877	8.06	9.34	223	10.915	0
1.5	12.649	1.869	14.888	8.06	9.32	235	10.924	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-1 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.461	1.826	14.585	8.05	9.39	136	10.720	0
1.0	12.459	1.831	14.631	8.05	9.38	138	10.755	0
1.5	12.458	1.832	14.641	8.05	9.38	137	10.763	0
2.0	12.455	1.833	14.649	8.05	9.39	137	10.770	0
2.5	12.452	1.833	14.654	8.05	9.39	140	10.774	0
3.0	12.451	1.834	14.656	8.05	9.38	142	10.776	0
3.5	12.446	1.834	14.658	8.05	9.38	144	10.778	0
4.0	12.441	1.833	14.659	8.05	9.37	146	10.780	0
4.5	12.429	1.833	14.662	8.05	9.36	146	10.784	0
5.0	12.411	1.833	14.667	8.05	9.37	148	10.790	0
5.5	12.398	1.832	14.668	8.05	9.38	158	10.793	0
6.0	12.395	1.832	14.667	8.05	9.40	169	10.793	0
6.5	12.393	1.833	14.671	8.05	9.39	164	10.796	0
7.0	12.389	1.834	14.683	8.05	9.39	165	10.806	0
7.5	12.389	1.835	14.689	8.05	9.40	177	10.811	0
8.0	12.390	1.834	14.682	8.05	9.39	176	10.805	0
8.5	12.398	1.833	14.667	8.05	9.39	166	10.792	0
9.0	12.401	1.832	14.665	8.05	9.37	160	10.790	0
9.5	12.397	1.833	14.674	8.05	9.36	160	10.798	0
10.0	12.394	1.834	14.683	8.05	9.36	158	10.805	0
10.5	12.391	1.835	14.689	8.05	9.37	159	10.811	0
11.0	12.391	1.835	14.689	8.05	9.37	160	10.811	0
11.5	12.390	1.835	14.694	8.05	9.37	160	10.814	0
12.0	12.391	1.836	14.700	8.05	9.38	168	10.819	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-2a **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.509	1.822	14.537	8.05	9.38	127	10.675	0
1.0	12.506	1.823	14.542	8.05	9.38	126	10.679	0
1.5	12.504	1.823	14.546	8.05	9.37	126	10.683	0
2.0	12.502	1.823	14.550	8.05	9.36	125	10.686	0
2.5	12.500	1.824	14.553	8.05	9.37	126	10.689	0
3.0	12.499	1.824	14.556	8.05	9.36	127	10.691	0
3.5	12.497	1.824	14.557	8.05	9.36	129	10.693	0
4.0	12.496	1.824	14.558	8.05	9.36	134	10.693	0
4.5	12.497	1.824	14.556	8.05	9.37	139	10.691	0
5.0	12.497	1.824	14.554	8.05	9.37	139	10.690	0
5.5	12.498	1.823	14.547	8.05	9.36	143	10.684	0
6.0	12.499	1.822	14.540	8.05	9.36	153	10.679	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-2b **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.509	1.824	14.553	8.05	9.39	111	10.688	0
1.0	12.510	1.823	14.543	8.05	9.38	125	10.680	0
1.5	12.512	1.823	14.539	8.05	9.39	126	10.676	0
2.0	12.508	1.823	14.541	8.05	9.41	126	10.679	0
2.5	12.502	1.823	14.548	8.05	9.42	126	10.685	0
3.0	12.499	1.824	14.555	8.05	9.40	129	10.691	0
3.5	12.497	1.824	14.556	8.04	9.38	132	10.692	0
4.0	12.497	1.824	14.555	8.04	9.38	133	10.691	0
4.5	12.499	1.823	14.548	8.05	9.38	138	10.685	0
5.0	12.500	1.823	14.543	8.04	9.36	142	10.681	0
5.5	12.500	1.822	14.540	8.05	9.36	150	10.678	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-2c **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.500	1.777	14.150	8.05	9.43	121	10.378	0
1.0	12.500	1.824	14.554	8.05	9.42	125	10.690	0
1.5	12.499	1.824	14.559	8.05	9.42	126	10.694	0
2.0	12.498	1.825	14.562	8.05	9.41	127	10.696	0
2.5	12.497	1.825	14.563	8.05	9.40	129	10.697	0
3.0	12.497	1.825	14.563	8.05	9.41	134	10.697	0
3.5	12.497	1.825	14.563	8.04	9.41	131	10.697	0
4.0	12.498	1.825	14.562	8.04	9.40	129	10.696	0
4.5	12.499	1.824	14.557	8.05	9.39	131	10.692	0
5.0	12.499	1.824	14.552	8.05	9.39	140	10.688	0
5.5	12.499	1.823	14.549	8.05	9.39	140	10.686	0
6.0	12.499	1.823	14.547	8.04	9.38	152	10.685	0
6.5	12.498	1.823	14.543	8.05	9.37	163	10.681	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-3 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.614	1.847	14.711	8.03	9.34	139	10.793	0
1.0	12.618	1.851	14.741	8.03	9.35	138	10.815	0
1.5	12.617	1.851	14.740	8.03	9.35	139	10.815	0
2.0	12.621	1.852	14.751	8.03	9.34	142	10.823	0
2.5	12.631	1.858	14.797	8.03	9.32	145	10.857	0
3.0	12.636	1.862	14.834	8.03	9.33	156	10.884	0
3.5	12.638	1.864	14.852	8.03	9.33	156	10.898	0
4.0	12.639	1.864	14.851	8.03	9.32	160	10.897	0
4.5	12.640	1.864	14.844	8.03	9.33	158	10.891	0
5.0	12.643	1.865	14.855	8.03	9.31	159	10.899	0
5.5	12.646	1.866	14.863	8.03	9.30	157	10.905	0
6.0	12.654	1.871	14.902	8.03	9.30	156	10.934	0
6.5	12.661	1.875	14.934	8.03	9.31	160	10.957	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C2-4 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.611	1.848	14.722	8.04	9.35	134	10.802	0
1.0	12.601	1.848	14.727	8.04	9.36	139	10.807	0
1.5	12.598	1.849	14.736	8.04	9.36	146	10.815	0
2.0	12.596	1.850	14.746	8.04	9.37	151	10.822	0
2.5	12.590	1.851	14.753	8.04	9.39	165	10.829	0
3.0	12.592	1.851	14.753	8.04	9.38	169	10.828	0
3.5	12.595	1.851	14.750	8.04	9.37	162	10.826	0
4.0	12.598	1.851	14.749	8.04	9.37	167	10.825	0
4.5	12.598	1.851	14.750	8.04	9.36	163	10.825	0
5.0	12.596	1.851	14.751	8.04	9.34	159	10.827	0
5.5	12.596	1.851	14.752	8.04	9.35	162	10.827	0
6.0	12.590	1.851	14.757	8.04	9.35	159	10.832	0
6.5	12.585	1.852	14.762	8.04	9.35	169	10.837	0
7.0	12.584	1.852	14.762	8.04	9.36	167	10.837	0
7.5	12.581	1.852	14.765	8.04	9.35	169	10.840	0
8.0	12.571	1.852	14.772	8.04	9.35	169	10.847	0
8.5	12.559	1.853	14.782	8.04	9.33	177	10.856	0
9.0	12.547	1.853	14.789	8.04	9.34	184	10.863	0
9.5	12.516	1.854	14.804	8.04	9.34	197	10.880	0
10.0	12.525	1.854	14.803	8.04	9.34	205	10.878	0
10.5	12.553	1.854	14.795	8.04	9.33	201	10.867	0
11.0	12.550	1.854	14.797	8.04	9.33	195	10.870	0
11.5	12.552	1.854	14.798	8.04	9.34	195	10.869	0
12.0	12.549	1.855	14.803	8.04	9.34	193	10.874	0
12.5	12.531	1.855	14.812	8.04	9.34	199	10.884	0
13.0	12.494	1.855	14.824	8.04	9.34	199	10.899	0
13.5	12.439	1.854	14.838	8.04	9.35	213	10.918	0
14.0	12.408	1.854	14.846	8.04	9.34	221	10.929	0
14.5	12.382	1.853	14.851	8.04	9.32	232	10.936	0
15.0	12.389	1.853	14.849	8.04	9.32	228	10.934	0
15.5	12.393	1.853	14.848	8.04	9.33	223	10.932	0
16.0	12.380	1.853	14.853	8.04	9.32	224	10.938	0
16.5	12.358	1.853	14.860	8.04	9.33	229	10.948	0
17.0	12.337	1.853	14.868	8.04	9.33	245	10.957	0
17.5	12.341	1.853	14.867	8.04	9.35	243	10.956	0
18.0	12.329	1.853	14.872	8.04	9.35	235	10.961	0
18.5	12.284	1.853	14.884	8.04	9.35	243	10.977	0
19.0	12.225	1.851	14.892	8.04	9.35	264	10.993	0
19.5	12.168	1.849	14.896	8.04	9.35	299	11.004	0
20.0	12.144	1.847	14.894	8.04	9.35	334	11.006	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C3-1 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.265	1.970	15.931	8.00	9.35	165	11.788	0
1.0	12.164	1.984	16.095	8.00	9.34	173	11.930	0
1.5	12.095	1.991	16.182	8.00	9.33	202	12.008	0
2.0	12.112	1.992	16.188	8.00	9.34	220	12.009	0
2.5	12.111	1.990	16.166	8.00	9.34	191	11.993	0
3.0	12.039	1.994	16.233	8.00	9.33	197	12.056	0
3.5	11.990	1.997	16.282	8.00	9.34	225	12.100	0
4.0	11.960	1.997	16.301	8.00	9.34	255	12.120	0
4.5	11.957	1.998	16.306	8.00	9.34	264	12.124	0
5.0	11.950	1.997	16.302	8.00	9.33	266	12.123	0
5.5	11.952	1.997	16.302	8.00	9.32	260	12.122	0
6.0	11.943	1.996	16.300	8.00	9.31	264	12.122	0
6.5	11.940	1.996	16.299	8.00	9.30	270	12.122	0
7.0	11.940	1.996	16.301	8.00	9.30	268	12.123	0
7.5	11.941	1.997	16.302	8.00	9.30	266	12.123	0
8.0	11.946	1.997	16.301	8.00	9.31	269	12.122	0
8.5	11.961	1.998	16.303	8.00	9.30	259	12.122	0
9.0	11.960	1.998	16.309	8.00	9.31	252	12.126	0
9.5	11.946	1.998	16.308	8.00	9.31	256	12.128	0
10.0	11.935	1.998	16.313	8.00	9.29	259	12.133	0
10.5	11.893	1.995	16.311	8.00	9.29	267	12.138	0
11.0	11.862	1.994	16.313	8.00	9.31	292	12.145	0
11.5	11.852	1.994	16.315	8.00	9.31	297	12.147	0
12.0	11.859	1.994	16.311	8.00	9.32	310	12.143	0
12.5	11.861	1.994	16.311	8.00	9.32	312	12.143	0
13.0	11.862	1.993	16.307	8.00	9.30	310	12.139	0
13.5	11.848	1.992	16.301	8.00	9.27	335	12.137	0
14.0	11.833	1.990	16.288	8.00	9.28	397	12.129	0
14.5	11.830	1.988	16.268	8.00	9.27	428	12.114	0
15.0	11.829	1.987	16.265	8.00	9.28	446	12.112	0
15.5	11.826	1.988	16.276	8.00	9.29	411	12.121	0
16.0	11.825	1.989	16.284	8.00	9.28	399	12.127	0
16.5	11.824	1.990	16.288	8.00	9.28	417	12.131	0
17.0	11.823	1.990	16.296	8.00	9.27	403	12.137	0
17.5	11.822	1.991	16.299	8.00	9.26	385	12.139	0
18.0	11.821	1.990	16.290	8.00	9.25	419	12.133	0
18.5	11.819	1.990	16.291	8.00	9.28	395	12.133	0
19.0	11.819	1.991	16.305	8.00	9.27	372	12.144	0
19.5	11.819	1.992	16.309	8.00	9.27	360	12.147	0
20.0	11.818	1.992	16.309	8.00	9.27	366	12.148	0
20.5	11.818	1.992	16.310	8.00	9.27	350	12.149	0
21.0	11.817	1.992	16.308	8.00	9.26	359	12.147	0
21.5	11.816	1.991	16.302	8.00	9.25	356	12.142	0
22.0	11.814	1.989	16.284	8.00	9.24	380	12.129	0

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Station: C3-2 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.064	1.977	16.073	7.99	9.36	230	11.928	0
1.0	12.065	1.985	16.145	7.99	9.37	230	11.984	0
1.5	12.065	1.985	16.145	7.99	9.36	231	11.984	0
2.0	12.063	1.985	16.146	7.99	9.35	233	11.985	0
2.5	12.061	1.985	16.148	7.99	9.34	244	11.986	0
3.0	12.051	1.985	16.153	7.99	9.35	233	11.992	0
3.5	12.036	1.986	16.163	7.99	9.35	239	12.002	0
4.0	12.024	1.986	16.171	7.99	9.35	243	12.010	0
4.5	12.012	1.986	16.178	7.99	9.35	247	12.017	0
5.0	12.000	1.986	16.187	7.99	9.35	262	12.026	0
5.5	11.996	1.987	16.189	7.99	9.36	267	12.028	0
6.0	11.994	1.987	16.190	7.99	9.36	259	12.029	0
6.5	11.990	1.987	16.193	7.99	9.37	267	12.032	0
7.0	11.997	1.987	16.188	7.99	9.36	265	12.027	0
7.5	11.996	1.987	16.188	7.99	9.35	260	12.027	0
8.0	11.992	1.987	16.190	7.99	9.35	264	12.030	0
8.5	11.989	1.987	16.192	7.99	9.34	271	12.031	0
9.0	11.986	1.987	16.192	7.99	9.34	280	12.032	0
9.5	11.951	1.986	16.207	7.99	9.35	285	12.049	0
10.0	11.937	1.986	16.211	7.99	9.35	298	12.054	0
10.5	11.940	1.986	16.209	7.99	9.33	301	12.052	0
11.0	11.937	1.986	16.206	7.99	9.34	300	12.050	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C3-3 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.100	1.988	16.155	7.99	9.35	206	11.986	0
1.0	12.092	1.987	16.151	7.99	9.38	210	11.984	0
1.5	12.079	1.985	16.142	7.99	9.37	212	11.979	0
2.0	12.058	1.982	16.123	7.99	9.37	209	11.968	0
2.5	12.047	1.981	16.119	8.00	9.37	213	11.967	0
3.0	12.047	1.981	16.114	7.99	9.38	217	11.963	0
3.5	12.064	1.984	16.136	7.99	9.37	213	11.977	0
4.0	12.059	1.984	16.142	8.00	9.35	211	11.983	0
4.5	12.037	1.982	16.129	7.99	9.34	220	11.975	0
5.0	12.020	1.979	16.114	8.00	9.35	233	11.966	0
5.5	12.007	1.977	16.102	8.00	9.36	244	11.960	0
6.0	11.986	1.973	16.076	7.99	9.37	240	11.942	0
6.5	11.965	1.967	16.028	8.00	9.37	245	11.908	0
7.0	11.959	1.965	16.009	8.00	9.38	249	11.895	0
7.5	11.959	1.965	16.008	8.00	9.37	251	11.894	0
8.0	11.961	1.965	16.014	8.00	9.37	251	11.898	0
8.5	11.966	1.967	16.027	8.00	9.35	251	11.908	0
9.0	11.970	1.969	16.046	8.00	9.34	251	11.922	0
9.5	11.972	1.970	16.052	8.00	9.35	257	11.926	0
10.0	11.968	1.970	16.049	8.00	9.35	262	11.924	0
10.5	11.956	1.964	16.001	8.00	9.35	257	11.889	0
11.0	11.950	1.959	15.963	8.00	9.37	258	11.861	0
11.5	11.946	1.956	15.937	8.00	9.37	259	11.841	0
12.0	11.943	1.953	15.911	8.00	9.36	261	11.822	0
12.5	11.945	1.953	15.910	8.00	9.35	262	11.820	0
13.0	11.949	1.955	15.930	8.00	9.36	262	11.835	0
13.5	11.951	1.960	15.966	8.00	9.36	259	11.863	0
14.0	11.952	1.960	15.969	8.00	9.36	259	11.865	0
14.5	11.953	1.960	15.966	8.00	9.34	263	11.862	0
15.0	11.955	1.962	15.988	8.00	9.34	266	11.879	0
15.5	11.955	1.965	16.013	8.00	9.35	261	11.898	0
16.0	11.962	1.967	16.027	8.00	9.34	258	11.908	0
16.5	11.953	1.964	16.003	8.00	9.35	255	11.891	0
17.0	11.949	1.963	15.994	8.00	9.33	256	11.885	0
17.5	11.942	1.958	15.959	8.00	9.32	261	11.859	0
18.0	11.938	1.956	15.935	8.00	9.33	264	11.841	0
18.5	11.938	1.954	15.922	8.00	9.33	262	11.831	0
19.0	11.938	1.953	15.911	8.00	9.33	263	11.823	0
19.5	11.940	1.953	15.912	8.01	9.33	263	11.823	0
20.0	11.944	1.956	15.934	8.01	9.34	262	11.839	0
20.5	11.948	1.960	15.972	8.01	9.35	261	11.868	0
21.0	11.948	1.963	15.995	8.00	9.35	258	11.885	0
21.5	11.946	1.961	15.984	8.00	9.35	260	11.877	0
22.0	11.944	1.960	15.974	8.01	9.34	261	11.870	0
22.5	11.935	1.953	15.912	8.01	9.32	288	11.823	0
23.0	11.932	1.956	15.945	8.01	9.33	284	11.849	0
23.5	11.932	1.955	15.933	8.01	9.33	275	11.840	0
24.0	11.931	1.953	15.912	8.01	9.33	282	11.824	0
24.5	11.932	1.952	15.902	8.01	9.34	278	11.816	0
25.0	11.931	1.951	15.893	8.01	9.34	287	11.809	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C3-4 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.419	1.792	14.312	7.99	9.46	161	10.515	0
1.0	12.428	1.771	14.119	7.99	9.48	154	10.365	0
1.5	12.313	1.804	14.457	7.99	9.45	153	10.643	0
2.0	12.236	1.856	14.941	7.98	9.42	182	11.028	0
2.5	12.197	1.873	15.100	7.97	9.42	205	11.157	0
3.0	12.125	1.890	15.277	7.97	9.43	192	11.304	0
3.5	12.065	1.923	15.600	7.96	9.40	207	11.563	0
4.0	12.069	1.926	15.617	7.96	9.40	224	11.576	0
4.5	12.058	1.925	15.616	7.97	9.40	220	11.576	0
5.0	12.033	1.931	15.684	7.96	9.38	213	11.633	0
5.5	12.011	1.937	15.745	7.96	9.38	225	11.683	0
6.0	11.999	1.940	15.771	7.96	9.37	230	11.705	0
6.5	11.987	1.944	15.810	7.96	9.37	236	11.737	0
7.0	11.983	1.944	15.820	7.96	9.37	243	11.745	0
7.5	11.980	1.944	15.816	7.96	9.39	249	11.742	0
8.0	11.980	1.944	15.814	7.96	9.40	251	11.741	0
8.5	11.979	1.944	15.814	7.96	9.39	251	11.741	0
9.0	11.979	1.943	15.812	7.97	9.38	253	11.740	0
9.5	11.979	1.943	15.812	7.97	9.38	251	11.739	0
10.0	11.979	1.943	15.807	7.97	9.38	253	11.736	0
10.5	11.981	1.943	15.809	7.97	9.38	255	11.737	0
11.0	11.982	1.944	15.816	7.97	9.37	254	11.743	0
11.5	11.982	1.944	15.819	7.97	9.36	255	11.744	0
12.0	11.982	1.944	15.818	7.97	9.36	255	11.743	0
12.5	11.982	1.944	15.817	7.97	9.35	257	11.743	0
13.0	11.982	1.944	15.815	7.97	9.33	257	11.742	0
13.5	11.980	1.943	15.809	7.97	9.36	260	11.737	0
14.0	11.980	1.942	15.802	7.97	9.38	262	11.732	0
14.5	11.980	1.942	15.799	7.97	9.38	262	11.729	0
15.0	11.979	1.942	15.797	7.97	9.36	263	11.728	0
15.5	11.979	1.942	15.795	7.97	9.36	271	11.726	0
16.0	11.978	1.941	15.793	7.97	9.36	269	11.725	0
16.5	11.978	1.941	15.791	7.98	9.38	267	11.723	0
17.0	11.978	1.941	15.788	7.97	9.38	262	11.721	0
17.5	11.978	1.941	15.792	7.97	9.37	262	11.724	0
18.0	11.978	1.942	15.795	7.98	9.35	259	11.727	0
18.5	11.978	1.942	15.796	7.98	9.34	258	11.728	0
19.0	11.977	1.942	15.797	7.98	9.35	258	11.729	0
19.5	11.977	1.943	15.804	7.98	9.36	257	11.733	0
20.0	11.977	1.944	15.815	7.98	9.35	259	11.742	0
20.5	11.978	1.946	15.828	7.98	9.35	255	11.752	0
21.0	11.979	1.946	15.831	7.98	9.37	254	11.754	0
21.5	11.979	1.946	15.831	7.98	9.37	258	11.754	0
22.0	11.979	1.946	15.833	7.98	9.36	263	11.756	0
22.5	11.979	1.946	15.830	7.98	9.36	259	11.754	0
23.0	11.978	1.945	15.819	7.98	9.35	262	11.745	0
23.5	11.978	1.944	15.812	7.98	9.35	270	11.740	0
24.0	11.978	1.943	15.809	7.98	9.36	275	11.738	0
24.5	11.977	1.944	15.812	7.98	9.36	273	11.740	0
25.0	11.976	1.944	15.815	7.98	9.36	275	11.742	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: C3-4 **Date: 6/18/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
25.5	11.977	1.944	15.815	7.98	9.36	277	11.742	0
26.0	11.977	1.944	15.814	7.98	9.36	282	11.742	0
26.5	11.976	1.943	15.809	7.98	9.36	287	11.738	0
27.0	11.976	1.943	15.809	7.98	9.34	278	11.737	0
27.5	11.977	1.942	15.799	7.98	9.34	280	11.730	0
28.0	11.977	1.942	15.795	7.98	9.33	284	11.727	0
28.5	11.978	1.941	15.785	7.98	9.33	292	11.719	0
29.0	11.977	1.942	15.797	7.98	9.34	296	11.728	0
29.5	11.976	1.942	15.799	7.98	9.35	287	11.730	0
30.0	11.977	1.941	15.790	7.98	9.35	288	11.723	0
30.5	11.977	1.941	15.786	7.98	9.36	290	11.720	0
31.0	11.977	1.940	15.775	7.98	9.33	303	11.711	0
31.5	11.975	1.939	15.771	7.98	9.34	300	11.708	0
32.0	11.976	1.940	15.778	7.98	9.33	296	11.713	0
32.5	11.973	1.940	15.775	7.98	9.32	289	11.712	0
33.0	11.971	1.938	15.762	7.98	9.33	285	11.702	0
33.5	11.969	1.937	15.755	7.99	9.34	288	11.697	0
34.0	11.968	1.936	15.743	7.99	9.32	289	11.688	0
34.5	11.969	1.935	15.737	7.99	9.32	286	11.683	0
35.0	11.969	1.935	15.734	7.99	9.34	283	11.681	0
35.5	11.970	1.937	15.749	7.99	9.32	273	11.693	0
36.0	11.969	1.935	15.737	7.99	9.31	273	11.683	0
36.5	11.970	1.935	15.738	7.99	9.30	279	11.684	0
37.0	11.971	1.936	15.746	7.99	9.31	284	11.690	0
37.5	11.972	1.937	15.754	7.99	9.32	288	11.696	0
38.0	11.972	1.938	15.756	7.99	9.32	289	11.698	0
38.5	11.972	1.937	15.754	7.99	9.31	292	11.696	0
39.0	11.972	1.937	15.753	7.99	9.32	298	11.695	0
39.5	11.972	1.935	15.737	7.99	9.32	329	11.683	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E1-1 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.192	2.012	16.770	8.13	9.22	151	12.596	0
1.0	11.197	2.022	16.862	8.14	9.37	148	12.666	0
1.5	11.196	2.032	16.956	8.14	9.35	139	12.739	0
2.0	11.191	2.036	16.995	8.15	9.34	138	12.770	0
2.5	11.188	2.037	17.006	8.15	9.32	156	12.779	0
3.0	11.186	2.038	17.011	8.14	9.31	167	12.783	0
3.5	11.186	2.038	17.009	8.15	9.33	171	12.782	0
4.0	11.181	2.038	17.011	8.15	9.34	166	12.784	0
4.5	11.171	2.039	17.026	8.15	9.32	163	12.797	0
5.0	11.160	2.041	17.048	8.15	9.32	163	12.816	0
5.5	11.143	2.043	17.080	8.15	9.34	165	12.843	0
6.0	11.133	2.046	17.108	8.15	9.34	167	12.866	0
6.5	11.109	2.049	17.151	8.14	9.35	165	12.903	0
7.0	11.081	2.055	17.218	8.15	9.37	158	12.959	0
7.5	11.055	2.060	17.273	8.14	9.38	151	13.006	0
8.0	11.034	2.063	17.314	8.14	9.36	148	13.040	0
8.5	11.027	2.065	17.332	8.14	9.35	143	13.055	0
9.0	11.025	2.066	17.340	8.14	9.34	142	13.061	0
9.5	11.023	2.066	17.342	8.14	9.34	144	13.063	0
10.0	11.023	2.066	17.340	8.14	9.32	146	13.062	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E1-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.162	2.034	16.989	8.09	9.36	70	12.770	0
1.0	11.108	2.044	17.107	8.09	9.39	103	12.869	0
1.5	11.056	2.058	17.259	8.09	9.40	141	12.994	0
2.0	11.050	2.060	17.277	8.09	9.40	149	13.009	0
2.5	11.038	2.063	17.307	8.09	9.40	148	13.034	0
3.0	11.027	2.066	17.339	8.09	9.38	149	13.060	0
3.5	11.020	2.066	17.351	8.09	9.40	145	13.071	0
4.0	11.016	2.067	17.360	8.09	9.39	141	13.078	0
4.5	11.010	2.068	17.370	8.09	9.40	138	13.087	0
5.0	11.005	2.069	17.381	8.09	9.39	136	13.096	0
5.5	10.997	2.070	17.398	8.09	9.39	135	13.110	0
6.0	10.990	2.072	17.410	8.09	9.38	135	13.121	0
6.5	10.967	2.075	17.455	8.09	9.40	137	13.159	0
7.0	10.948	2.079	17.497	8.08	9.40	134	13.194	0
7.5	10.923	2.082	17.536	8.08	9.41	135	13.228	0
8.0	10.900	2.090	17.619	8.08	9.41	140	13.296	0
8.5	10.868	2.093	17.668	8.08	9.41	157	13.338	0
9.0	10.802	2.096	17.729	8.08	9.44	148	13.394	0
9.5	10.712	2.105	17.850	8.08	9.44	170	13.501	0
10.0	10.663	2.107	17.891	8.08	9.46	176	13.540	0
10.5	10.550	2.110	17.979	8.08	9.47	167	13.624	0
11.0	10.516	2.112	18.015	8.08	9.45	165	13.656	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E1-3 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.185	2.036	16.992	8.06	9.38	45	12.769	0
1.0	11.145	2.040	17.053	8.06	9.43	66	12.822	0
1.5	11.091	2.050	17.166	8.06	9.43	82	12.917	0
2.0	11.017	2.063	17.324	8.06	9.43	97	13.050	0
2.5	10.959	2.074	17.446	8.06	9.46	108	13.153	0
3.0	10.873	2.083	17.576	8.05	9.47	114	13.266	0
3.5	10.796	2.091	17.683	8.05	9.46	119	13.360	0
4.0	10.778	2.093	17.708	8.05	9.45	127	13.382	0
4.5	10.769	2.094	17.719	8.05	9.45	131	13.392	0
5.0	10.765	2.094	17.727	8.05	9.43	136	13.398	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E1-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.111	2.031	16.980	8.04	9.36	39	12.770	0
1.0	11.020	2.065	17.336	8.04	9.38	46	13.059	0
1.5	11.000	2.074	17.429	8.04	9.40	67	13.134	0
2.0	10.999	2.075	17.440	8.04	9.41	69	13.143	0
2.5	10.996	2.076	17.452	8.04	9.40	68	13.152	0
3.0	10.983	2.079	17.483	8.04	9.41	68	13.178	0
3.5	10.952	2.083	17.531	8.04	9.42	69	13.220	0
4.0	10.875	2.088	17.621	8.04	9.41	77	13.301	0
4.5	10.746	2.098	17.768	8.04	9.42	99	13.433	0
5.0	10.662	2.103	17.859	8.04	9.43	127	13.515	0
5.5	10.612	2.105	17.906	8.04	9.44	140	13.558	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E2-1 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.147	2.040	17.053	7.99	9.37	220	12.822	0
1.0	11.143	2.046	17.107	7.99	9.40	221	12.864	0
1.5	11.140	2.046	17.112	7.99	9.40	218	12.868	0
2.0	11.139	2.047	17.114	7.99	9.39	219	12.870	0
2.5	11.139	2.047	17.116	7.99	9.38	224	12.871	0
3.0	11.139	2.047	17.117	7.99	9.38	221	12.872	0
3.5	11.138	2.047	17.116	7.99	9.38	224	12.872	0
4.0	11.138	2.047	17.117	7.99	9.36	228	12.872	0
4.5	11.138	2.047	17.117	7.99	9.36	228	12.873	0
5.0	11.137	2.047	17.118	7.99	9.35	235	12.874	0
5.5	11.138	2.047	17.118	7.99	9.36	233	12.873	0
6.0	11.138	2.047	17.119	7.99	9.38	238	12.874	0
6.5	11.138	2.047	17.118	7.99	9.37	235	12.873	0
7.0	11.138	2.047	17.119	7.99	9.36	231	12.874	0
7.5	11.138	2.047	17.119	7.99	9.35	226	12.874	0
8.0	11.138	2.047	17.119	7.99	9.34	227	12.874	0
8.5	11.138	2.047	17.119	7.99	9.34	227	12.874	0
9.0	11.140	2.047	17.118	7.99	9.36	237	12.873	0
9.5	11.141	2.047	17.114	7.99	9.33	238	12.870	0
10.0	11.139	2.047	17.117	7.99	9.32	229	12.872	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E2-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.154	2.040	17.044	7.99	9.40	183	12.813	0
1.0	11.155	2.043	17.077	7.99	9.39	229	12.839	0
1.5	11.156	2.043	17.075	7.99	9.37	229	12.838	0
2.0	11.155	2.043	17.076	7.99	9.39	228	12.838	0
2.5	11.152	2.044	17.082	7.99	9.39	228	12.843	0
3.0	11.153	2.044	17.081	7.99	9.39	226	12.842	0
3.5	11.152	2.044	17.083	7.99	9.39	226	12.844	0
4.0	11.150	2.045	17.090	7.99	9.37	225	12.850	0
4.5	11.145	2.046	17.100	7.99	9.37	225	12.859	0
5.0	11.141	2.046	17.110	7.99	9.38	221	12.866	0
5.5	11.143	2.047	17.112	7.99	9.39	220	12.868	0
6.0	11.141	2.045	17.101	7.99	9.38	219	12.859	0
6.5	11.126	2.048	17.131	7.99	9.40	211	12.885	0
7.0	11.121	2.051	17.158	7.99	9.39	206	12.907	0
7.5	11.119	2.051	17.163	7.99	9.40	208	12.911	0
8.0	11.118	2.051	17.165	7.99	9.39	212	12.912	0
8.5	11.119	2.051	17.165	7.99	9.35	208	12.912	0
9.0	11.122	2.051	17.159	7.99	9.35	210	12.908	0
9.5	11.123	2.051	17.157	7.99	9.35	214	12.906	0
10.0	11.123	2.051	17.158	7.99	9.35	223	12.907	0
10.5	11.123	2.051	17.156	7.99	9.35	221	12.905	0
11.0	11.125	2.050	17.148	7.99	9.37	214	12.899	0
11.5	11.122	2.051	17.159	7.99	9.37	213	12.907	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E2-3 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.130	2.027	16.937	7.99	9.43	211	12.735	0
1.0	11.129	2.050	17.152	7.99	9.41	211	12.901	0
1.5	11.128	2.050	17.151	7.99	9.41	212	12.901	0
2.0	11.128	2.050	17.152	7.99	9.41	213	12.901	0
2.5	11.128	2.050	17.154	7.99	9.42	211	12.902	0
3.0	11.127	2.051	17.155	7.99	9.41	209	12.903	0
3.5	11.127	2.050	17.154	7.99	9.40	212	12.903	0
4.0	11.128	2.050	17.153	7.99	9.39	213	12.902	0
4.5	11.128	2.050	17.153	7.99	9.38	211	12.902	0
5.0	11.128	2.050	17.152	7.99	9.38	211	12.901	0
5.5	11.128	2.050	17.154	7.99	9.37	213	12.902	0
6.0	11.126	2.051	17.158	7.99	9.35	212	12.906	0
6.5	11.125	2.052	17.165	7.99	9.35	211	12.912	0
7.0	11.123	2.052	17.169	7.99	9.36	211	12.915	0
7.5	11.123	2.052	17.170	7.99	9.35	211	12.916	0
8.0	11.123	2.052	17.171	7.99	9.35	211	12.917	0
8.5	11.122	2.052	17.172	7.99	9.36	210	12.917	0
9.0	11.122	2.052	17.172	7.99	9.37	212	12.917	0
9.5	11.123	2.052	17.171	7.99	9.37	214	12.917	0
10.0	11.123	2.052	17.169	7.99	9.36	217	12.915	0
10.5	11.122	2.052	17.169	7.99	9.36	212	12.915	0
11.0	11.122	2.052	17.171	7.99	9.34	221	12.917	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E2-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.118	2.052	17.171	7.99	9.40	191	12.917	0
1.0	11.117	2.055	17.201	7.99	9.39	202	12.941	0
1.5	11.117	2.055	17.200	7.99	9.39	206	12.940	0
2.0	11.116	2.055	17.201	7.99	9.38	202	12.941	0
2.5	11.115	2.055	17.202	7.99	9.39	201	12.942	0
3.0	11.115	2.055	17.202	7.99	9.40	200	12.942	0
3.5	11.114	2.055	17.203	7.99	9.40	200	12.943	0
4.0	11.113	2.055	17.205	7.98	9.40	200	12.944	0
4.5	11.112	2.055	17.206	7.98	9.40	200	12.945	0
5.0	11.112	2.055	17.206	7.99	9.40	200	12.945	0
5.5	11.112	2.055	17.207	7.99	9.39	200	12.946	0
6.0	11.112	2.055	17.207	7.99	9.36	201	12.946	0
6.5	11.113	2.055	17.206	7.98	9.36	201	12.945	0
7.0	11.111	2.056	17.208	7.99	9.37	200	12.946	0
7.5	11.110	2.056	17.209	7.98	9.36	202	12.947	0
8.0	11.109	2.056	17.210	7.98	9.36	205	12.949	0
8.5	11.109	2.056	17.211	7.98	9.35	204	12.949	0
9.0	11.109	2.056	17.212	7.98	9.34	204	12.950	0
9.5	11.109	2.056	17.212	7.98	9.33	209	12.950	0
10.0	11.109	2.056	17.212	7.98	9.34	209	12.951	0
10.5	11.108	2.056	17.213	7.98	9.34	208	12.951	0
11.0	11.108	2.056	17.213	7.98	9.34	205	12.951	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E3-1 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.313	2.004	16.649	7.95	9.42	261	12.485	0
1.0	11.310	2.007	16.674	7.95	9.40	261	12.505	0
1.5	11.309	2.008	16.683	7.95	9.40	265	12.512	0
2.0	11.307	2.008	16.684	7.95	9.40	266	12.513	0
2.5	11.307	2.008	16.687	7.95	9.41	268	12.515	0
3.0	11.308	2.008	16.681	7.95	9.41	265	12.511	0
3.5	11.307	2.007	16.680	7.95	9.41	265	12.510	0
4.0	11.307	2.008	16.683	7.95	9.39	267	12.512	0
4.5	11.305	2.009	16.692	7.95	9.36	267	12.520	0
5.0	11.306	2.009	16.691	7.95	9.35	266	12.518	0
5.5	11.304	2.009	16.694	7.95	9.34	268	12.521	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E3-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.343	2.001	16.605	7.95	9.41	240	12.447	0
1.0	11.345	2.003	16.628	7.95	9.42	242	12.464	0
1.5	11.346	2.004	16.632	7.95	9.43	239	12.467	0
2.0	11.333	2.005	16.648	7.95	9.41	244	12.481	0
2.5	11.328	2.006	16.657	7.95	9.41	250	12.489	0
3.0	11.330	2.006	16.657	7.95	9.41	252	12.489	0
3.5	11.330	2.006	16.657	7.95	9.41	253	12.488	0
4.0	11.327	2.006	16.660	7.95	9.40	250	12.491	0
4.5	11.322	2.007	16.668	7.95	9.39	248	12.499	0
5.0	11.318	2.007	16.674	7.95	9.38	250	12.504	0
5.5	11.315	2.008	16.683	7.95	9.38	253	12.511	0
6.0	11.311	2.009	16.690	7.95	9.40	253	12.517	0
6.5	11.306	2.009	16.699	7.95	9.39	254	12.524	0
7.0	11.302	2.010	16.709	7.95	9.37	257	12.533	0
7.5	11.302	2.011	16.710	7.95	9.38	266	12.534	0
8.0	11.301	2.011	16.716	7.95	9.37	275	12.539	0
8.5	11.300	2.012	16.720	7.95	9.35	281	12.542	0
9.0	11.299	2.012	16.722	7.95	9.39	266	12.543	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E3-3 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.334	2.007	16.665	7.95	9.39	244	12.494	0
1.0	11.330	2.007	16.669	7.95	9.39	249	12.498	0
1.5	11.330	2.007	16.668	7.95	9.39	251	12.497	0
2.0	11.329	2.007	16.669	7.95	9.38	255	12.498	0
2.5	11.328	2.007	16.669	7.95	9.38	250	12.498	0
3.0	11.328	2.007	16.669	7.95	9.38	250	12.499	0
3.5	11.328	2.007	16.670	7.95	9.39	251	12.499	0
4.0	11.327	2.007	16.671	7.94	9.39	249	12.500	0
4.5	11.325	2.008	16.675	7.94	9.38	250	12.504	0
5.0	11.322	2.008	16.681	7.95	9.37	250	12.509	0
5.5	11.320	2.009	16.684	7.94	9.37	255	12.511	0
6.0	11.320	2.009	16.685	7.94	9.37	264	12.512	0
6.5	11.319	2.009	16.687	7.94	9.36	264	12.513	0
7.0	11.318	2.009	16.687	7.94	9.33	270	12.514	0
7.5	11.318	2.009	16.688	7.94	9.34	274	12.515	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: E3-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.479	2.011	16.636	7.94	9.35	147	12.451	0
1.0	11.363	2.007	16.648	7.94	9.39	194	12.477	0
1.5	11.354	2.007	16.658	7.94	9.40	212	12.486	0
2.0	11.344	2.008	16.667	7.94	9.39	217	12.494	0
2.5	11.335	2.008	16.673	7.94	9.39	226	12.500	0
3.0	11.330	2.008	16.679	7.94	9.39	248	12.506	0
3.5	11.328	2.009	16.682	7.94	9.39	265	12.509	0
4.0	11.328	2.009	16.684	7.94	9.38	265	12.510	0
4.5	11.326	2.009	16.684	7.94	9.38	271	12.510	0
5.0	11.325	2.009	16.685	7.94	9.36	277	12.511	0
5.5	11.324	2.009	16.684	7.94	9.35	285	12.511	0
6.0	11.324	2.009	16.686	7.94	9.34	278	12.512	0
6.5	11.323	2.009	16.684	7.94	9.34	284	12.511	0
7.0	11.322	2.009	16.683	7.94	9.35	289	12.510	0
7.5	11.321	2.008	16.683	7.94	9.34	293	12.510	0
8.0	11.322	2.009	16.683	7.94	9.35	288	12.510	0
8.5	11.323	2.009	16.684	7.94	9.35	287	12.511	0
9.0	11.322	2.009	16.686	7.94	9.33	299	12.513	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F1-1 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.986	1.970	16.049	7.82	9.14	97	11.922	0
1.0	11.886	1.994	16.300	7.82	9.12	102	12.130	0
1.5	11.836	1.993	16.318	7.81	9.06	107	12.152	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F1-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.964	1.987	16.206	7.86	9.34	102	12.046	0
1.0	11.957	1.987	16.207	7.86	9.35	102	12.048	0
1.5	11.953	1.986	16.207	7.86	9.35	103	12.049	0
2.0	11.949	1.986	16.207	7.86	9.32	107	12.049	0
2.5	11.947	1.986	16.207	7.86	9.29	105	12.049	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F1-3 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.979	1.981	16.152	7.86	9.32	104	12.002	0
1.0	11.971	1.981	16.153	7.86	9.31	105	12.004	0
1.5	11.967	1.981	16.154	7.86	9.31	105	12.006	0
2.0	11.966	1.981	16.155	7.86	9.28	107	12.007	0
2.5	11.965	1.981	16.156	7.86	9.24	108	12.008	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F1-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.043	1.983	16.141	7.85	9.31	103	11.984	0
1.0	12.037	1.983	16.139	7.86	9.30	104	11.984	0
1.5	12.038	1.983	16.139	7.86	9.29	102	11.983	0
2.0	12.038	1.983	16.139	7.86	9.29	105	11.983	0
2.5	12.038	1.983	16.138	7.86	9.28	106	11.983	0
3.0	12.037	1.983	16.139	7.86	9.24	106	11.983	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F2-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.996	2.043	16.697	7.83	9.36	282	12.420	0
1.0	11.986	2.041	16.680	7.83	9.37	285	12.408	0
1.5	11.984	2.041	16.676	7.83	9.38	288	12.406	0
2.0	11.982	2.041	16.680	7.83	9.38	286	12.410	0
2.5	11.983	2.041	16.679	7.83	9.37	287	12.408	0
3.0	11.984	2.040	16.670	7.83	9.38	288	12.401	0
3.5	11.982	2.039	16.659	7.83	9.37	292	12.393	0
4.0	11.985	2.039	16.657	7.83	9.38	292	12.391	0
4.5	11.987	2.039	16.660	7.83	9.38	296	12.394	0
5.0	11.989	2.040	16.665	7.83	9.36	295	12.396	0
5.5	11.989	2.040	16.665	7.83	9.35	292	12.397	0
6.0	11.989	2.039	16.663	7.83	9.36	297	12.395	0
6.5	11.988	2.039	16.656	7.83	9.36	302	12.390	0
7.0	11.988	2.037	16.638	7.83	9.36	302	12.376	0
7.5	11.989	2.036	16.631	7.83	9.35	325	12.370	0
8.0	11.990	2.036	16.627	7.83	9.35	323	12.367	0
8.5	11.993	2.035	16.624	7.83	9.35	321	12.365	0
9.0	11.991	2.035	16.621	7.83	9.36	320	12.362	0
9.5	11.987	2.034	16.617	7.83	9.35	319	12.360	0
10.0	11.989	2.034	16.612	7.83	9.33	317	12.356	0
10.5	11.991	2.034	16.612	7.83	9.33	315	12.356	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F2-3 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.021	2.039	16.644	7.82	9.39	276	12.376	0
1.0	12.020	2.037	16.631	7.82	9.40	287	12.366	0
1.5	12.023	2.036	16.619	7.82	9.40	291	12.356	0
2.0	12.022	2.036	16.616	7.82	9.38	294	12.353	0
2.5	12.021	2.036	16.614	7.82	9.37	300	12.353	0
3.0	12.023	2.035	16.608	7.82	9.38	303	12.348	0
3.5	12.024	2.034	16.601	7.82	9.37	309	12.342	0
4.0	12.026	2.034	16.597	7.82	9.38	308	12.339	0
4.5	12.027	2.033	16.593	7.82	9.38	306	12.335	0
5.0	12.029	2.033	16.586	7.83	9.38	308	12.329	0
5.5	12.033	2.033	16.585	7.82	9.38	310	12.328	0
6.0	12.035	2.033	16.587	7.82	9.36	316	12.329	0
6.5	12.037	2.034	16.588	7.82	9.36	316	12.330	0
7.0	12.038	2.034	16.589	7.82	9.35	314	12.330	0
7.5	12.040	2.034	16.592	7.82	9.36	319	12.333	0
8.0	12.041	2.034	16.594	7.82	9.35	332	12.334	0
8.5	12.042	2.035	16.595	7.83	9.34	340	12.335	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F2-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.158	2.050	16.686	7.81	9.32	183	12.387	0
1.0	12.100	2.046	16.672	7.81	9.34	194	12.385	0
1.5	12.071	2.040	16.628	7.82	9.34	216	12.355	0
2.0	12.056	2.035	16.594	7.81	9.34	248	12.332	0
2.5	12.050	2.033	16.575	7.82	9.33	270	12.318	0
3.0	12.048	2.031	16.565	7.82	9.32	292	12.310	0
3.5	12.049	2.031	16.561	7.82	9.30	303	12.307	0
4.0	12.048	2.031	16.559	7.82	9.31	309	12.306	0
4.5	12.051	2.031	16.560	7.82	9.31	310	12.306	0
5.0	12.055	2.031	16.560	7.82	9.30	314	12.306	0
5.5	12.055	2.032	16.563	7.82	9.30	317	12.308	0
6.0	12.058	2.032	16.565	7.82	9.29	319	12.309	0
6.5	12.056	2.032	16.566	7.82	9.29	322	12.310	0
7.0	12.055	2.032	16.567	7.82	9.28	325	12.311	0
7.5	12.057	2.032	16.567	7.82	9.25	326	12.310	0
8.0	12.055	2.032	16.568	7.82	9.22	344	12.312	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F3-1 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.858	2.030	16.636	7.81	9.39	176	12.394	0
1.0	11.858	2.030	16.641	7.81	9.39	177	12.398	0
1.5	11.859	2.034	16.671	7.81	9.40	174	12.421	0
2.0	11.858	2.035	16.686	7.81	9.38	176	12.433	0
2.5	11.860	2.035	16.685	7.81	9.36	178	12.432	0
3.0	11.861	2.036	16.690	7.81	9.34	177	12.435	0
3.5	11.861	2.038	16.703	7.81	9.33	179	12.446	0
4.0	11.860	2.038	16.708	7.81	9.32	182	12.449	0
4.5	11.865	2.038	16.705	7.81	9.32	180	12.446	0
5.0	11.867	2.037	16.699	7.81	9.32	179	12.442	0
5.5	11.866	2.037	16.698	7.81	9.31	180	12.441	0
6.0	11.865	2.036	16.690	7.81	9.31	181	12.435	0
6.5	11.866	2.035	16.675	7.81	9.29	183	12.423	0
7.0	11.867	2.033	16.661	7.81	9.26	183	12.412	0
7.5	11.868	2.033	16.661	7.81	9.26	184	12.412	0
8.0	11.869	2.033	16.657	7.81	9.24	185	12.409	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F3-2 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	11.942	2.038	16.668	7.80	9.43	183	12.406	0
1.0	11.927	2.038	16.679	7.80	9.42	185	12.417	0
1.5	11.927	2.038	16.682	7.80	9.42	183	12.419	0
2.0	11.927	2.038	16.681	7.80	9.41	179	12.419	0
2.5	11.937	2.038	16.676	7.80	9.40	178	12.413	0
3.0	11.955	2.038	16.664	7.80	9.41	180	12.401	0
3.5	11.967	2.038	16.656	7.80	9.40	182	12.393	0
4.0	11.965	2.037	16.656	7.80	9.39	186	12.393	0
4.5	11.965	2.037	16.654	7.80	9.40	191	12.392	0
5.0	11.967	2.037	16.652	7.80	9.41	189	12.390	0
5.5	11.972	2.037	16.646	7.80	9.39	189	12.385	0
6.0	11.961	2.037	16.654	7.80	9.38	191	12.392	0
6.5	11.965	2.038	16.657	7.80	9.37	185	12.394	0
7.0	11.979	2.037	16.648	7.80	9.37	186	12.385	0
7.5	11.988	2.037	16.637	7.80	9.38	188	12.375	0
8.0	11.981	2.036	16.633	7.81	9.38	189	12.373	0
8.5	11.971	2.035	16.631	7.81	9.39	191	12.373	0
9.0	11.962	2.035	16.632	7.81	9.41	190	12.375	0
9.5	11.959	2.034	16.628	7.81	9.39	190	12.373	0
10.0	11.960	2.033	16.621	7.81	9.38	190	12.367	0
10.5	11.958	2.033	16.619	7.81	9.37	200	12.366	0
11.0	11.960	2.033	16.620	7.81	9.39	200	12.366	0
11.5	11.960	2.034	16.624	7.81	9.37	204	12.370	0
12.0	11.947	2.032	16.616	7.81	9.37	199	12.365	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

Station: F3-3 **Date: 6/17/2008**

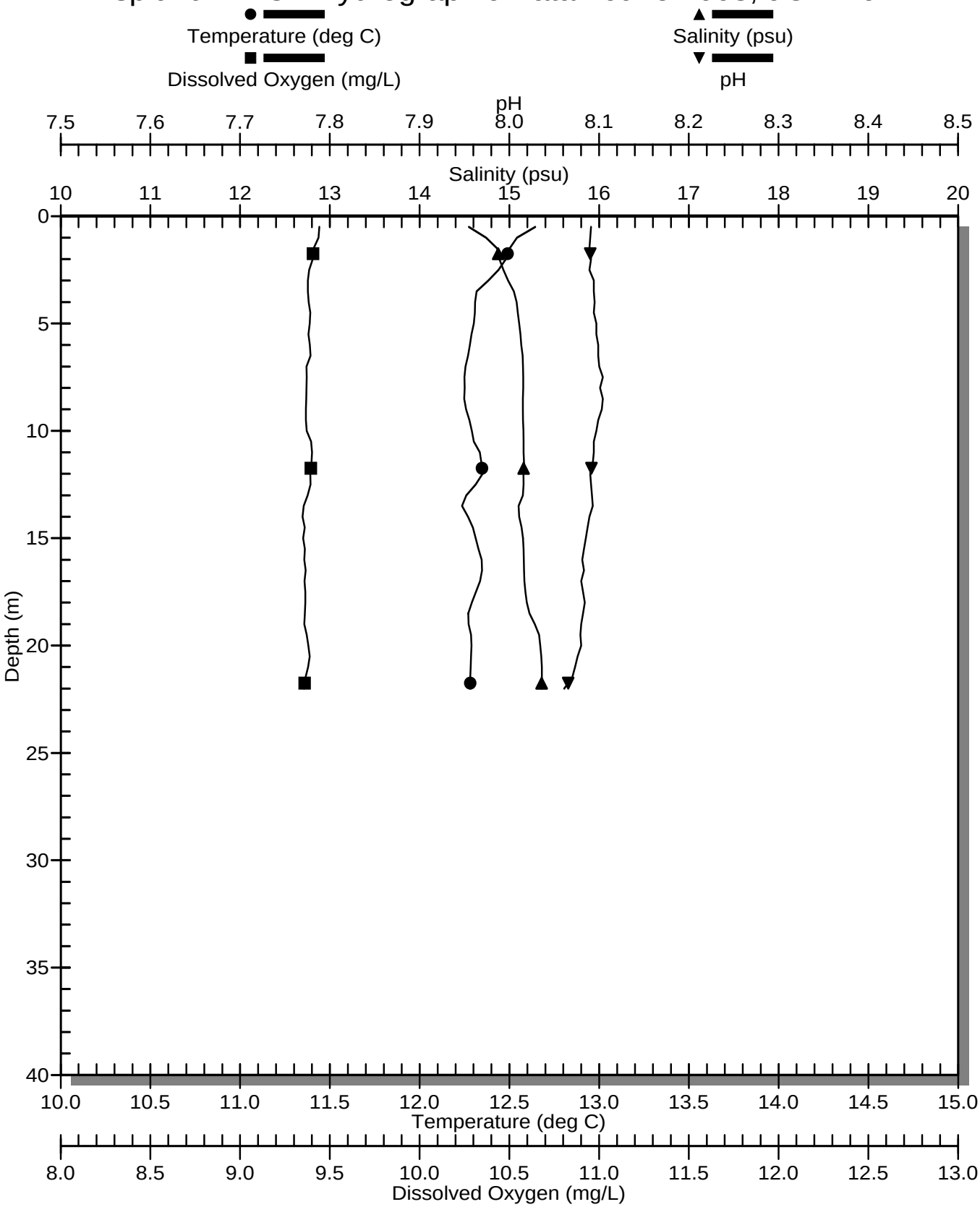
Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.001	2.036	16.632	7.85	9.41	161	12.369	0
1.0	11.958	2.035	16.641	7.85	9.43	168	12.383	0
1.5	11.943	2.035	16.644	7.85	9.45	171	12.388	0
2.0	11.928	2.034	16.645	7.85	9.46	172	12.390	0
2.5	11.915	2.034	16.645	7.85	9.46	176	12.392	0
3.0	11.908	2.034	16.647	7.85	9.45	183	12.395	0
3.5	11.890	2.036	16.672	7.85	9.44	192	12.417	0
4.0	11.871	2.039	16.708	7.85	9.42	198	12.448	0
4.5	11.857	2.041	16.737	7.85	9.41	199	12.473	0
5.0	11.851	2.043	16.753	7.85	9.42	198	12.486	0
5.5	11.850	2.043	16.756	7.85	9.42	197	12.488	0
6.0	11.850	2.043	16.757	7.85	9.42	196	12.489	0
6.5	11.849	2.043	16.754	7.85	9.41	196	12.486	0
7.0	11.848	2.042	16.752	7.85	9.41	198	12.485	0
7.5	11.845	2.043	16.757	7.85	9.42	201	12.490	0
8.0	11.838	2.044	16.767	7.85	9.43	198	12.499	0
8.5	11.833	2.045	16.778	7.85	9.40	201	12.508	0
9.0	11.829	2.045	16.781	7.85	9.39	211	12.510	0
9.5	11.827	2.045	16.784	7.85	9.40	206	12.513	0
10.0	11.822	2.045	16.789	7.85	9.41	208	12.518	0
10.5	11.815	2.045	16.792	7.85	9.42	209	12.521	0
11.0	11.803	2.045	16.795	7.85	9.41	212	12.525	0
11.5	11.798	2.045	16.793	7.85	9.40	214	12.524	0
12.0	11.799	2.044	16.788	7.85	9.41	215	12.520	0
12.5	11.797	2.044	16.789	7.84	9.39	215	12.522	0
13.0	11.796	2.045	16.794	7.84	9.38	217	12.526	0
13.5	11.790	2.045	16.798	7.84	9.40	212	12.529	0
14.0	11.789	2.044	16.795	7.83	9.40	210	12.527	0
14.5	11.792	2.043	16.784	7.83	9.40	215	12.519	0

Asplund WPCF - 2008 Receiving Water Hydrographic Data

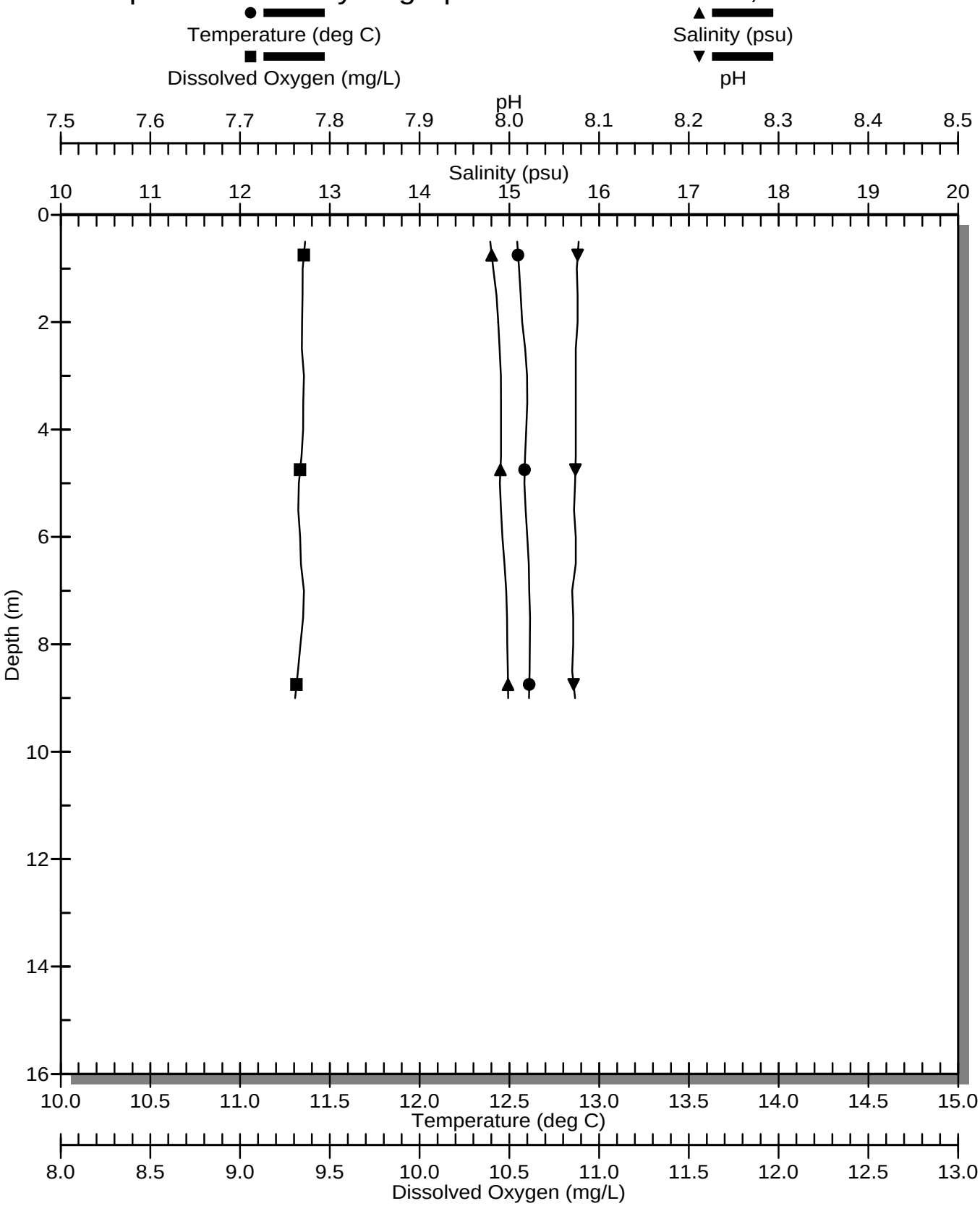
Station: F3-4 **Date: 6/17/2008**

Depth (m)	Temp (deg C)	Cond (S/m)	Salinity (psu)	pH	DO (mg/L)	Turbidity (ntu)	Sigma-t	Flag
0.5	12.070	2.015	16.411	7.85	9.41	98	12.189	0
1.0	11.986	2.028	16.560	7.84	9.44	133	12.316	0
1.5	11.960	2.033	16.620	7.84	9.46	155	12.366	0
2.0	11.924	2.035	16.651	7.84	9.47	158	12.396	0
2.5	11.854	2.040	16.727	7.84	9.46	163	12.465	0
3.0	11.784	2.043	16.786	7.84	9.46	178	12.522	0
3.5	11.759	2.044	16.805	7.84	9.45	185	12.539	0
4.0	11.737	2.044	16.818	7.84	9.45	186	12.553	0
4.5	11.732	2.044	16.822	7.84	9.47	187	12.557	0
5.0	11.733	2.044	16.821	7.84	9.45	186	12.556	0
5.5	11.732	2.044	16.820	7.84	9.45	185	12.555	0
6.0	11.730	2.044	16.821	7.84	9.44	185	12.556	0
6.5	11.721	2.044	16.826	7.84	9.43	186	12.561	0
7.0	11.706	2.044	16.834	7.84	9.42	187	12.570	0
7.5	11.697	2.045	16.840	7.85	9.43	186	12.576	0
8.0	11.690	2.045	16.843	7.84	9.43	185	12.579	0
8.5	11.682	2.045	16.846	7.84	9.43	186	12.583	0
9.0	11.672	2.044	16.849	7.84	9.42	186	12.587	0
9.5	11.666	2.044	16.851	7.85	9.43	187	12.589	0
10.0	11.663	2.044	16.852	7.84	9.42	190	12.590	0
10.5	11.666	2.044	16.851	7.84	9.43	188	12.589	0
11.0	11.669	2.044	16.849	7.84	9.43	187	12.587	0
11.5	11.669	2.044	16.849	7.84	9.44	188	12.587	0
12.0	11.669	2.044	16.847	7.84	9.43	190	12.586	0
12.5	11.672	2.044	16.845	7.84	9.42	191	12.584	0
13.0	11.673	2.044	16.844	7.84	9.43	191	12.582	0
13.5	11.674	2.044	16.842	7.84	9.44	191	12.581	0
14.0	11.678	2.044	16.840	7.84	9.44	192	12.579	0
14.5	11.681	2.044	16.837	7.84	9.43	195	12.576	0
15.0	11.682	2.043	16.834	7.84	9.43	199	12.574	0
15.5	11.685	2.043	16.832	7.84	9.42	206	12.571	0
16.0	11.687	2.043	16.831	7.84	9.42	212	12.571	0

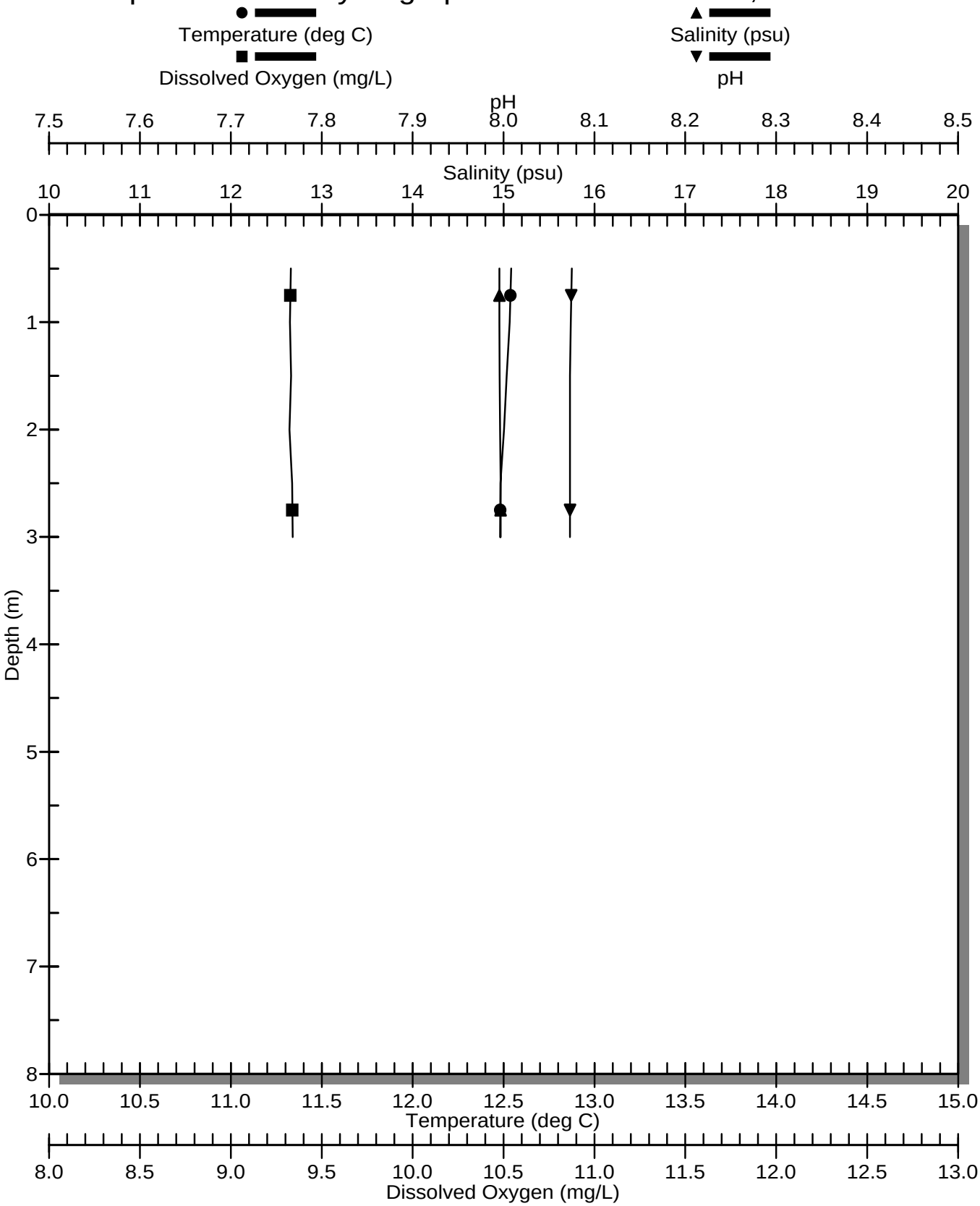
Asplund WPCF Hydrographic Data - June 2008, uC1-1.cnv



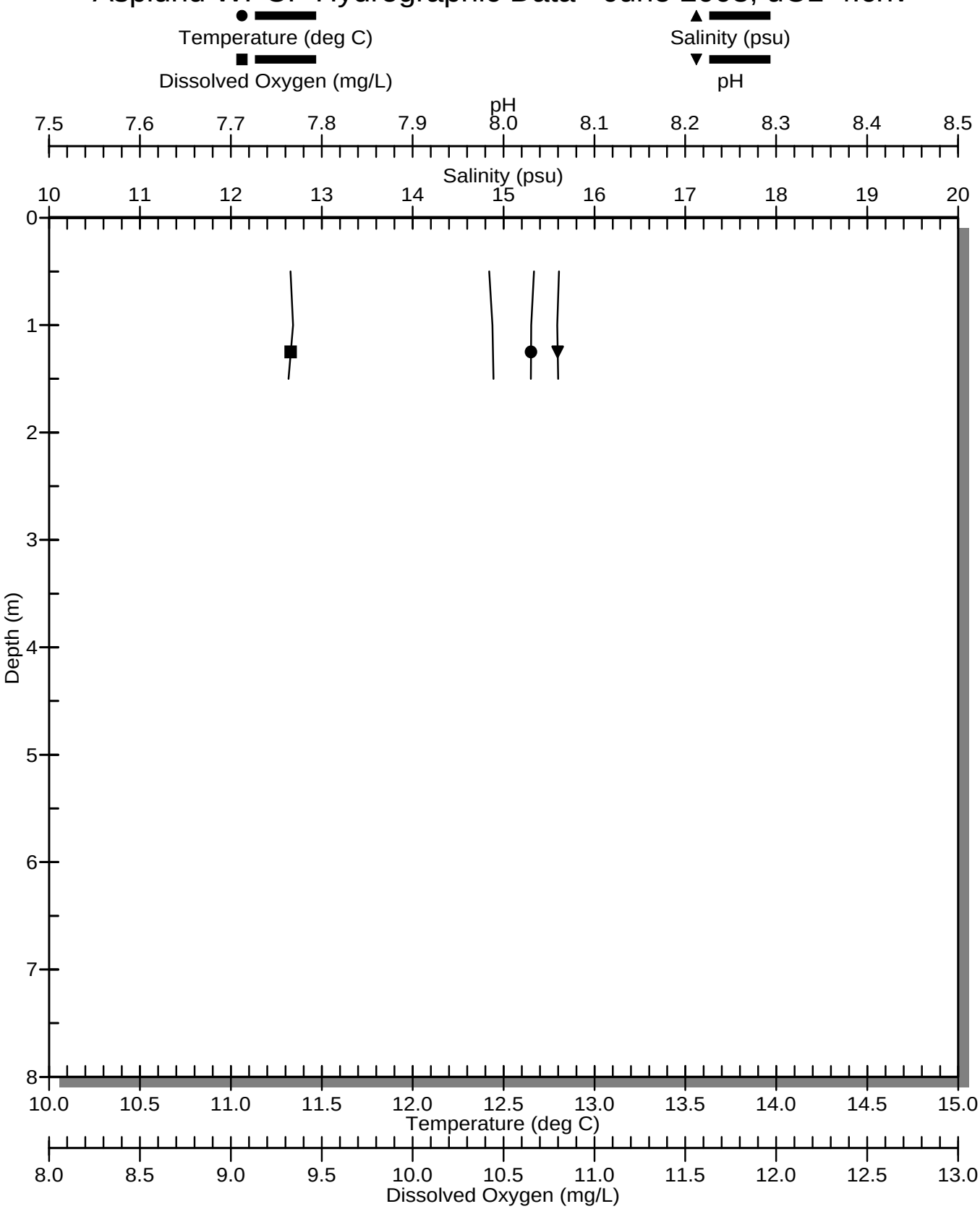
Asplund WPCF Hydrographic Data - June 2008, uC1-2.cnv



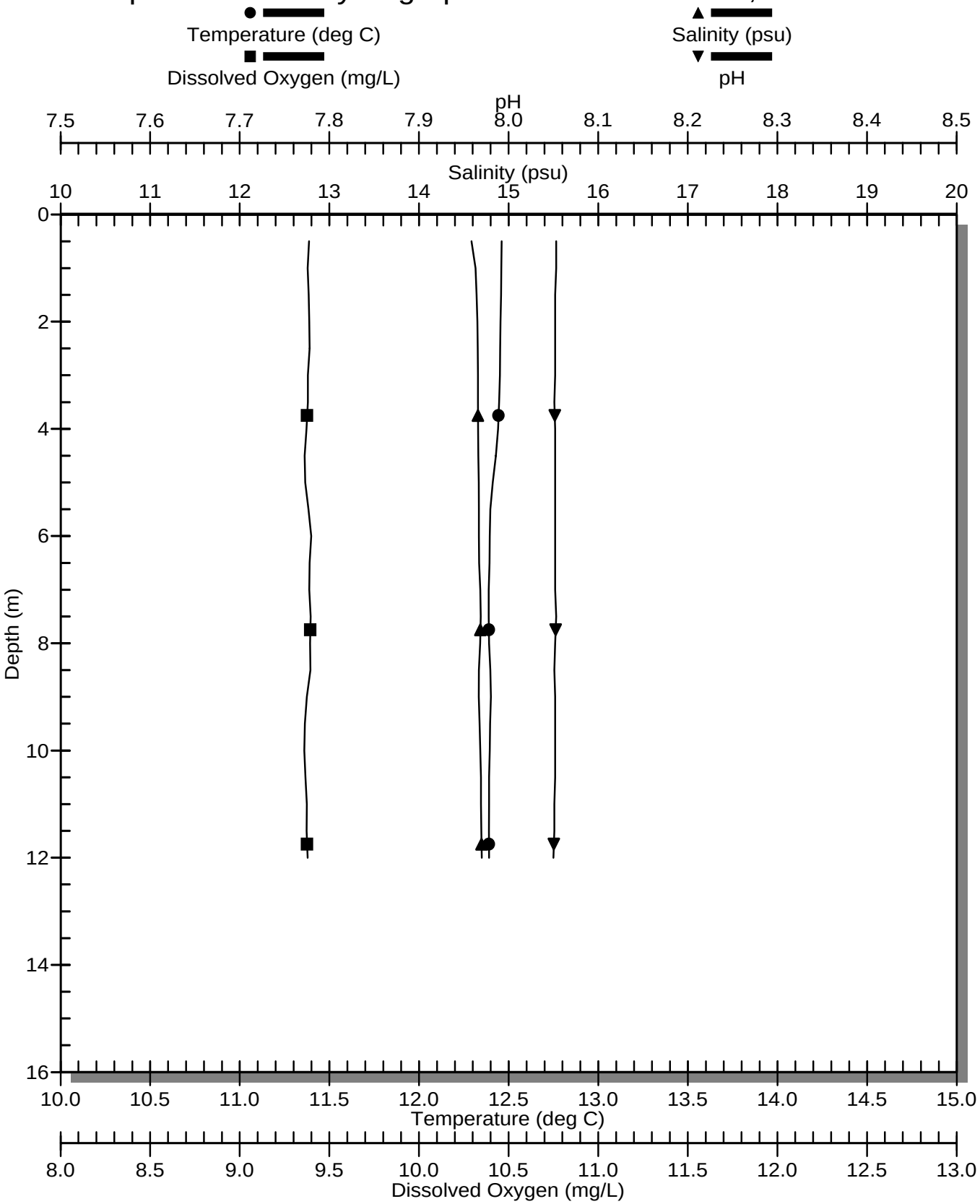
Asplund WPCF Hydrographic Data - June 2008, uC1-3.cnv



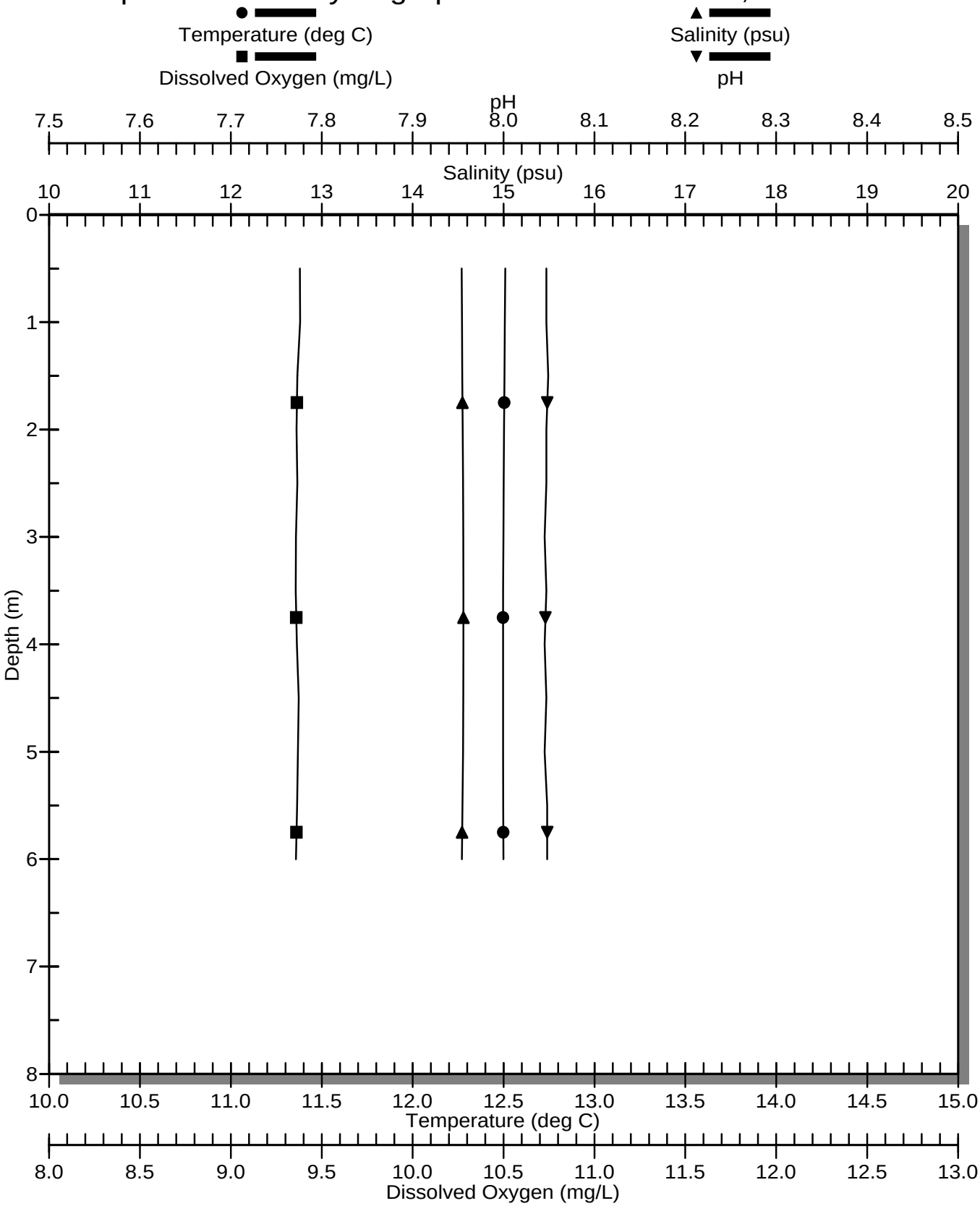
Asplund WPCF Hydrographic Data - June 2008, uC1-4.cnv



Asplund WPCF Hydrographic Data - June 2008, uC2-1.cnv



Asplund WPCF Hydrographic Data - June 2008, uC2-2a.cnv



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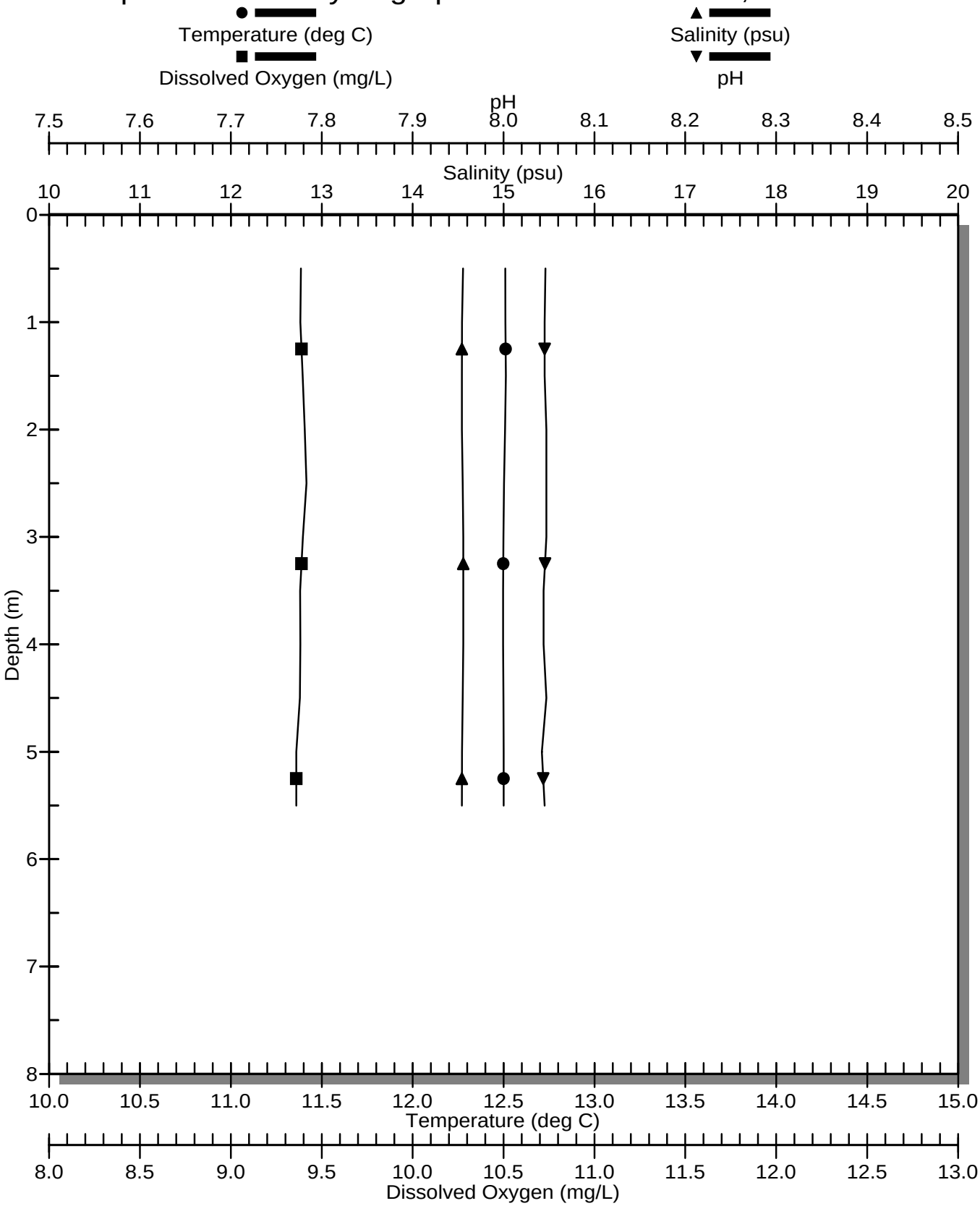

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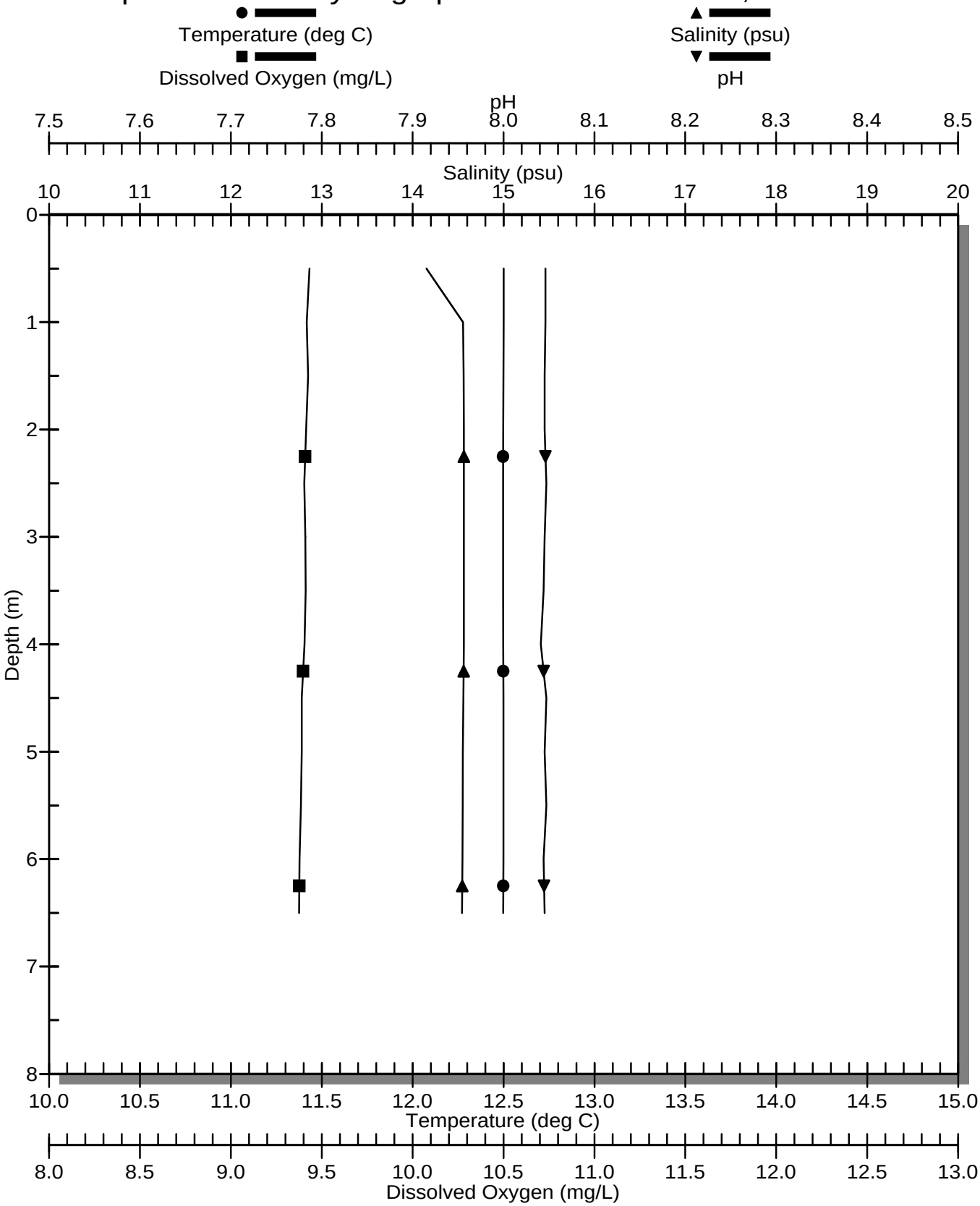
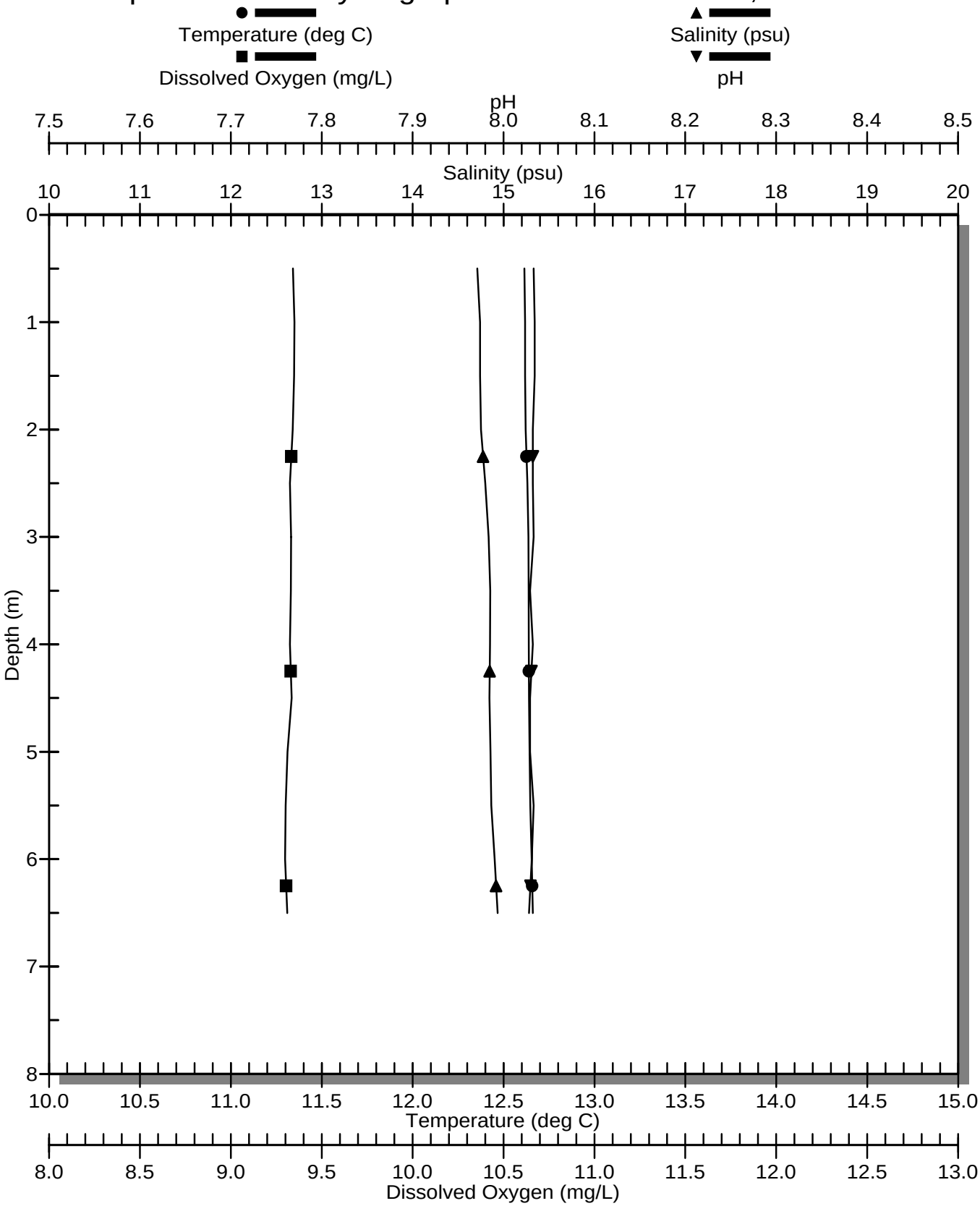
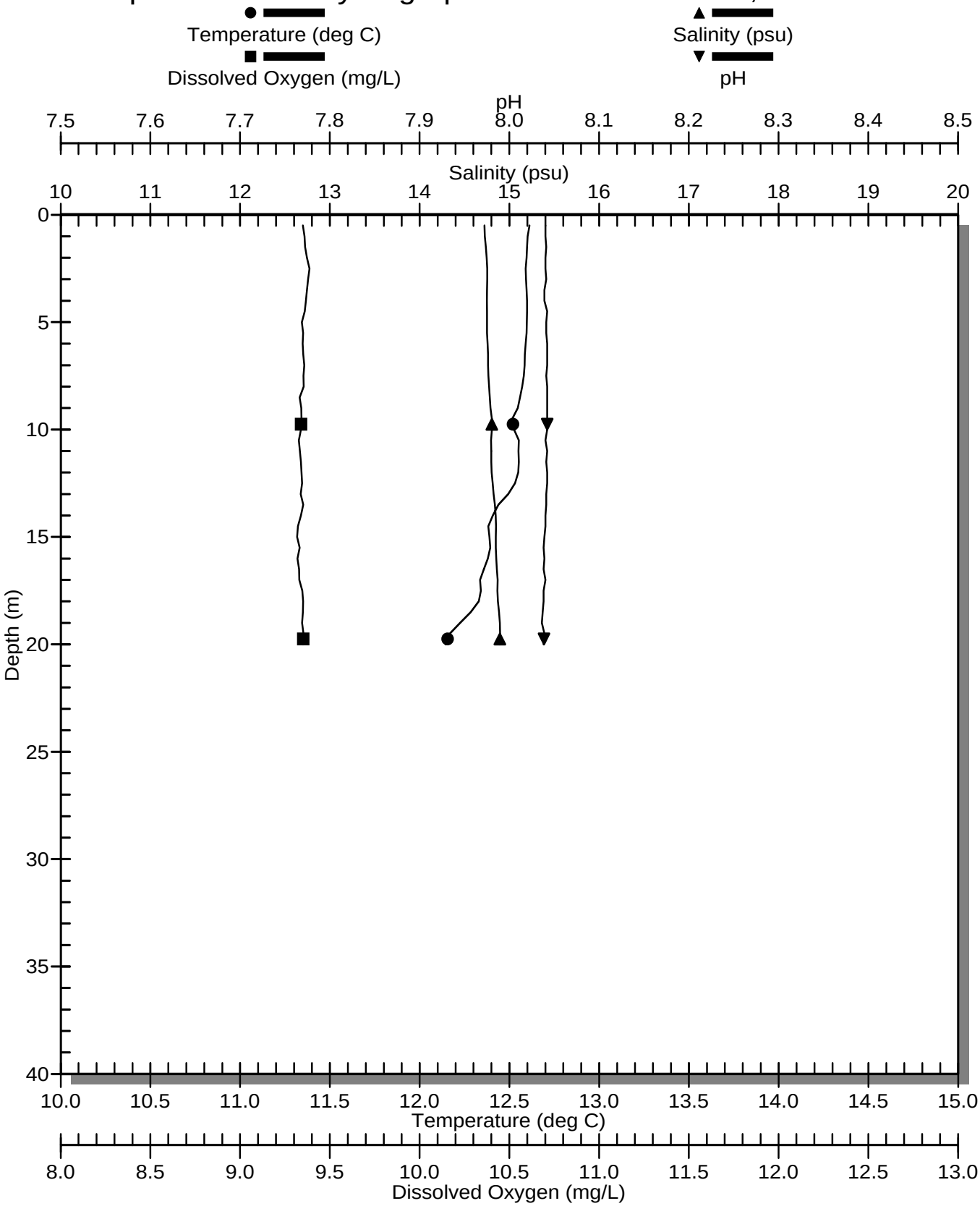


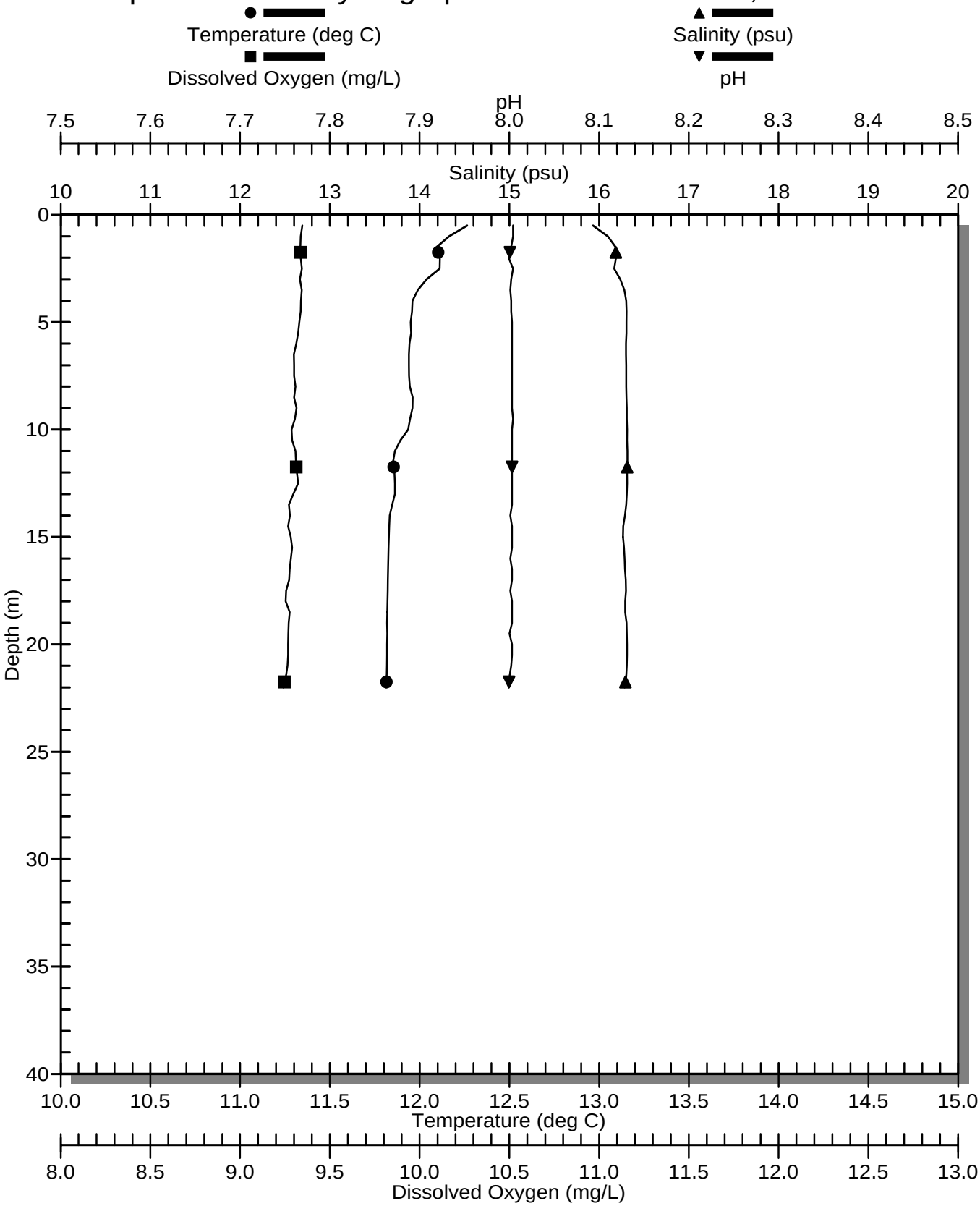
Asplund WPCF Hydrographic Data - June 2008, uC2-3.cnv



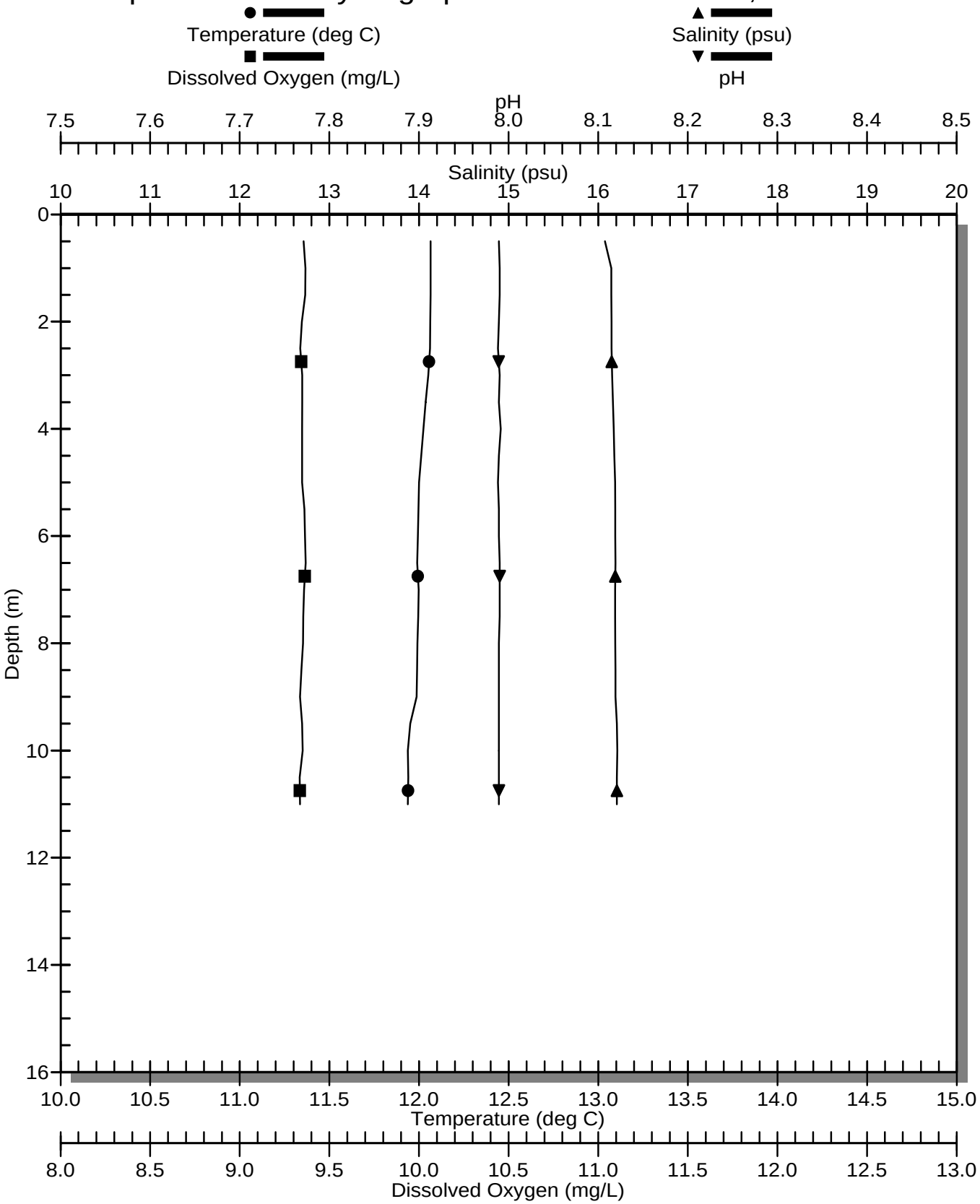
Asplund WPCF Hydrographic Data - June 2008, uC2-4.cnv



Asplund WPCF Hydrographic Data - June 2008, uC3-1.cnv



Asplund WPCF Hydrographic Data - June 2008, uC3-2.cnv



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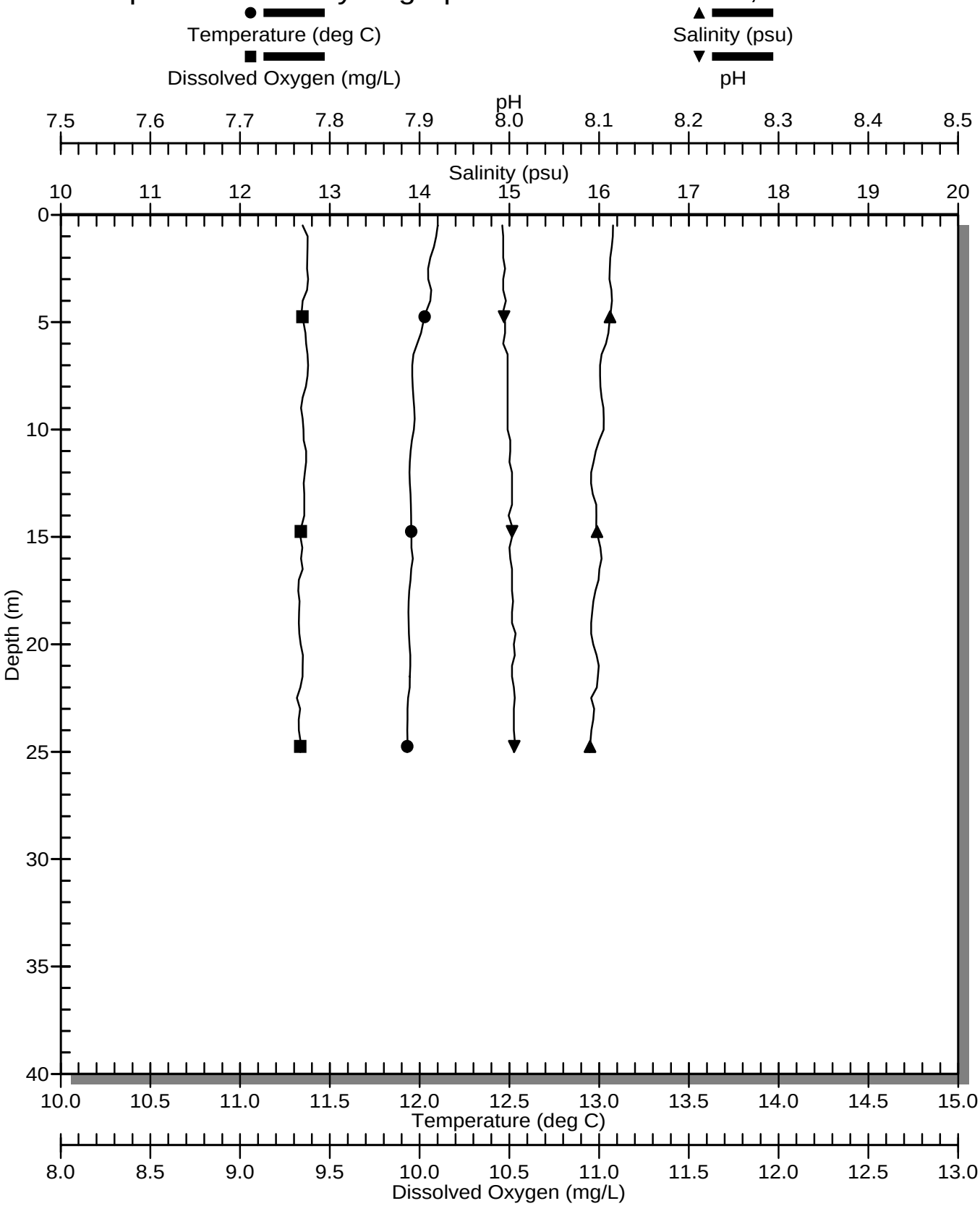

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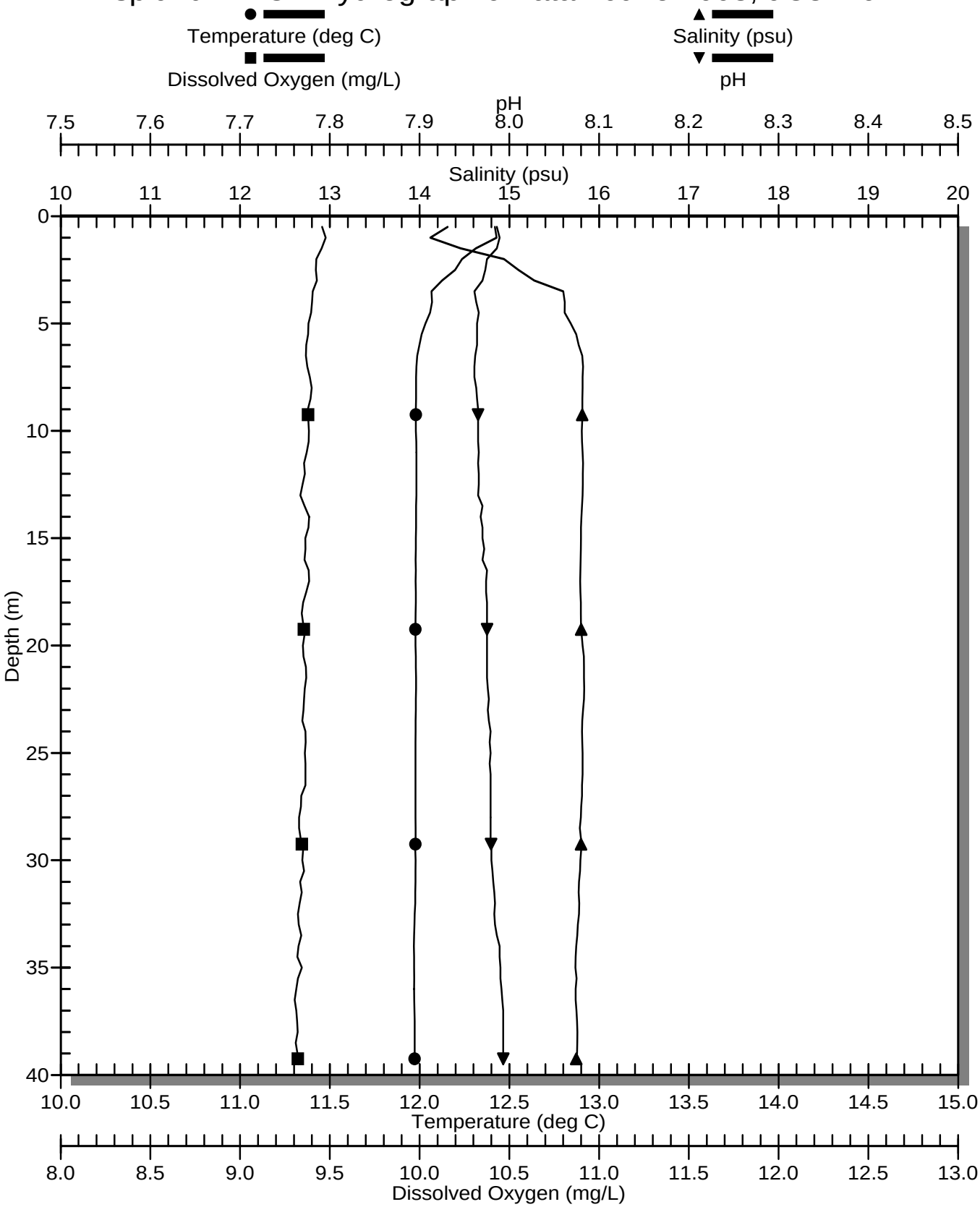
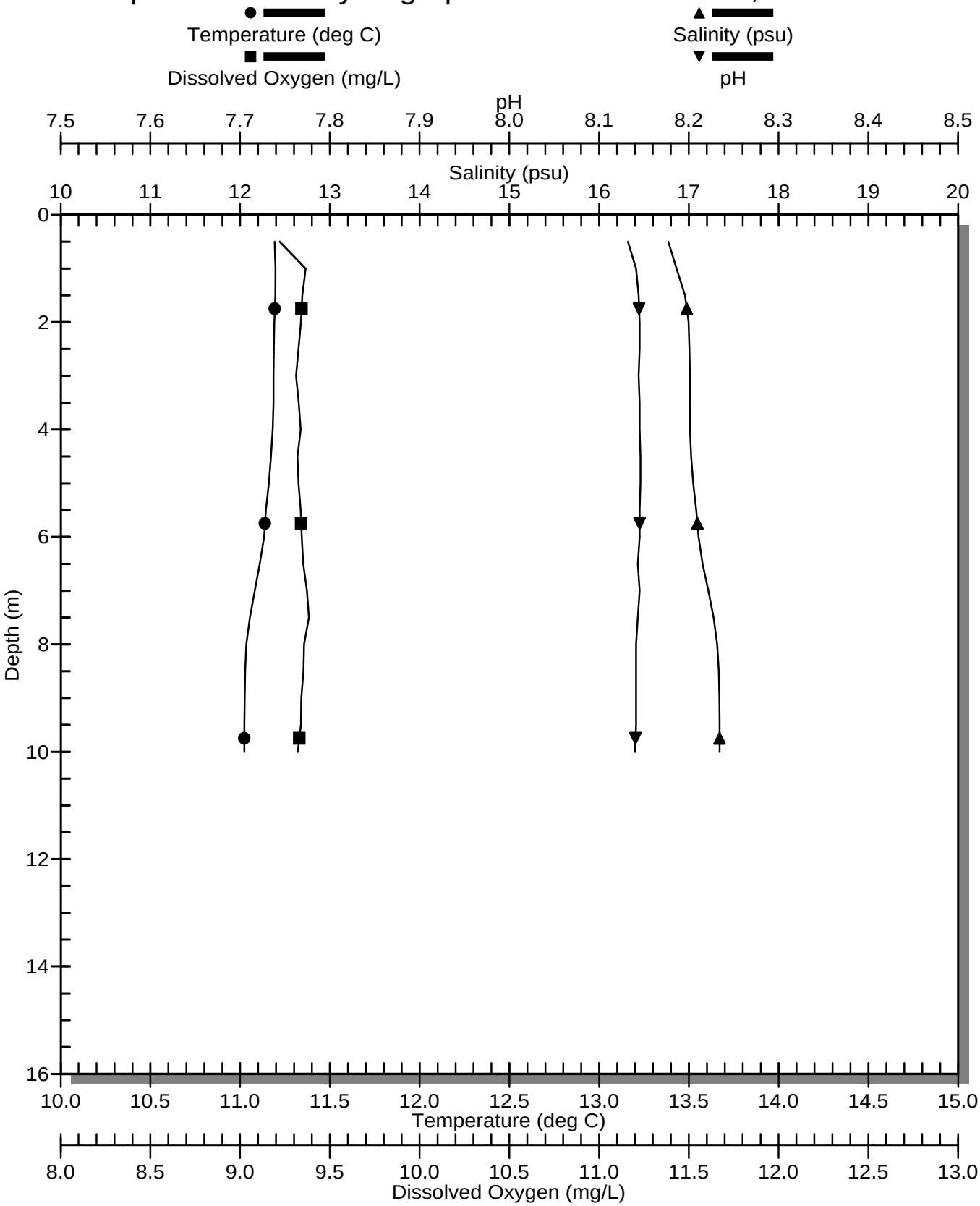
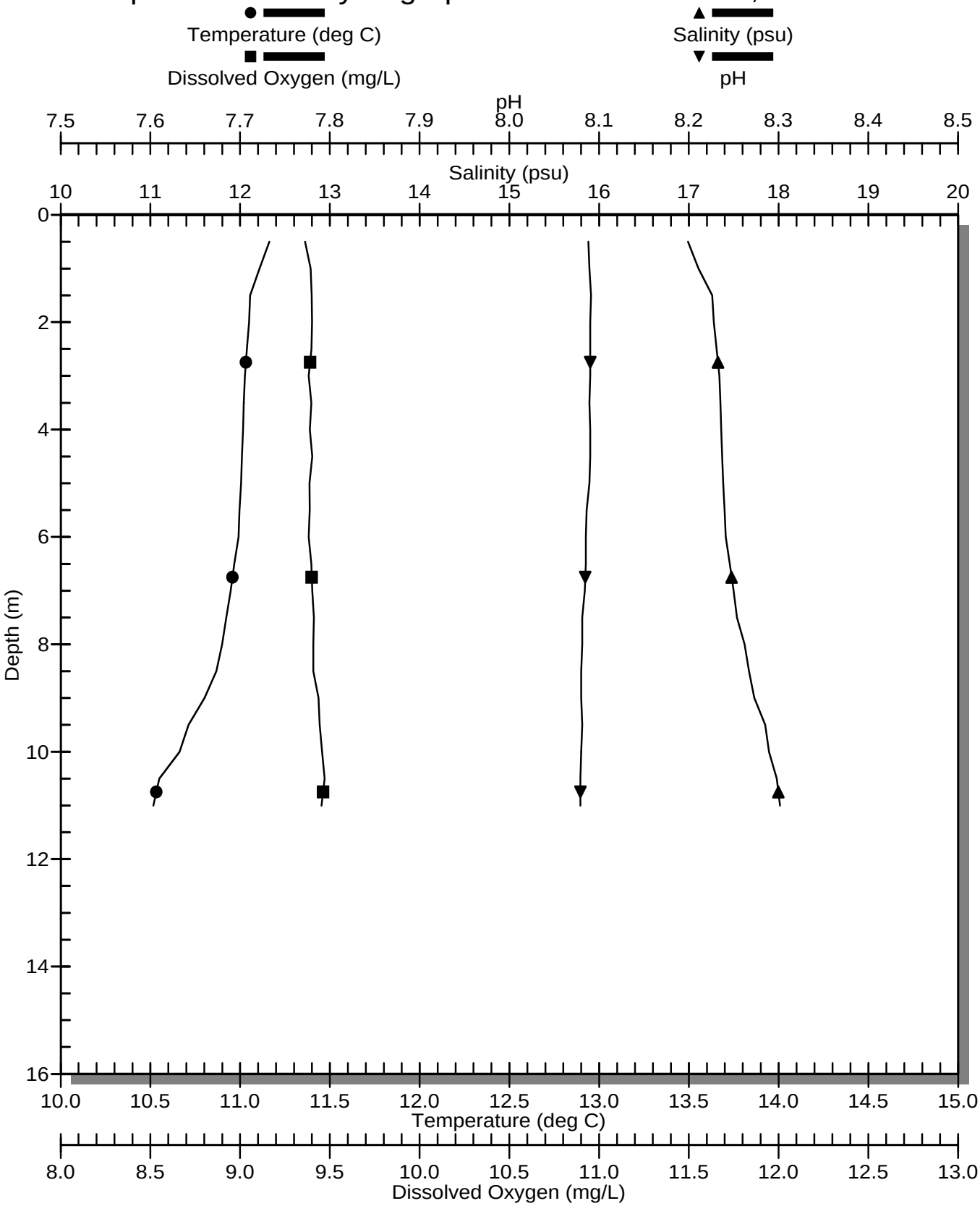


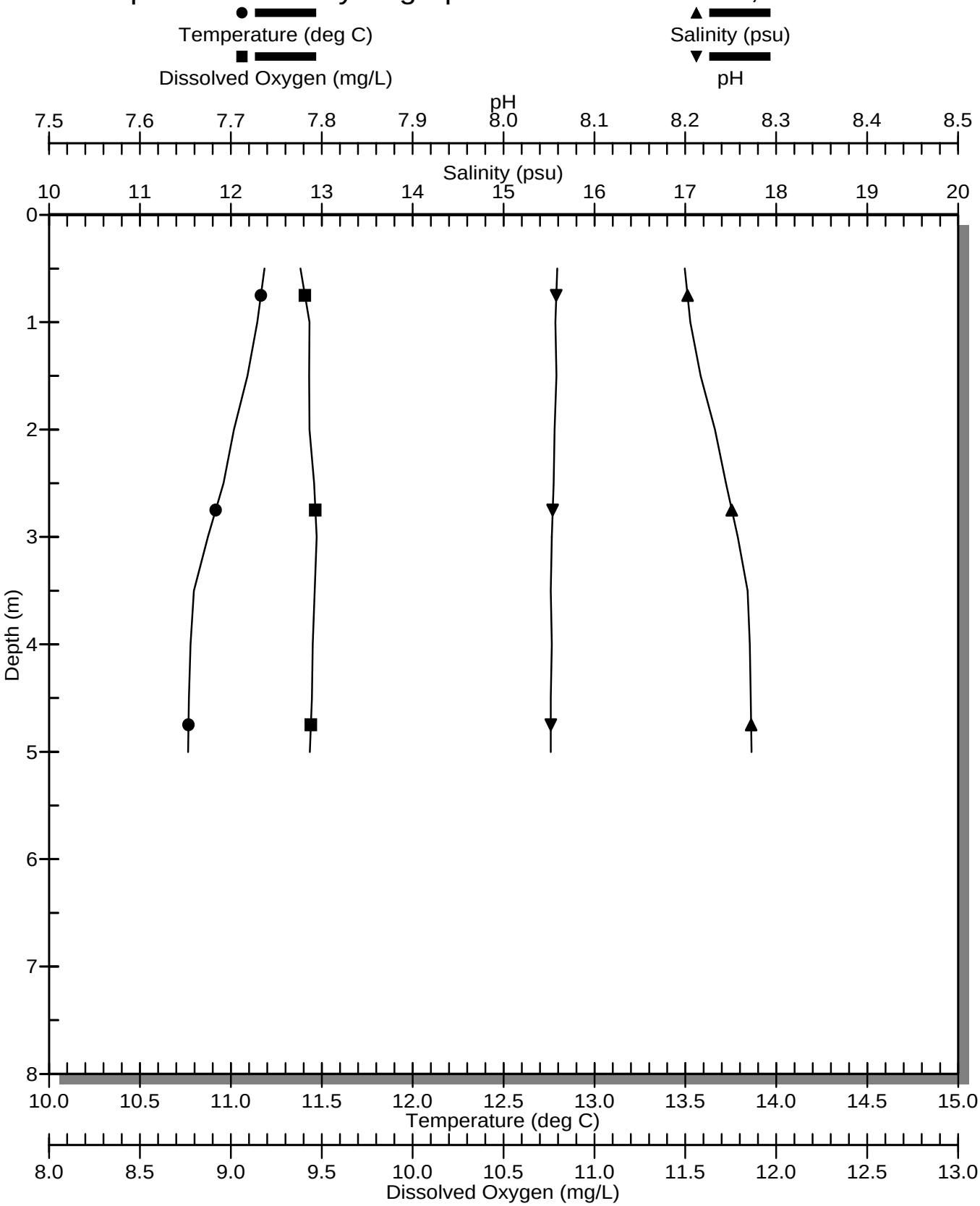
Asplund WPCF Hydrographic Data - June 2008, uE1-1.cnv



Asplund WPCF Hydrographic Data - June 2008, uE1-2.cnv



Asplund WPCF Hydrographic Data - June 2008, uE1-3.cnv



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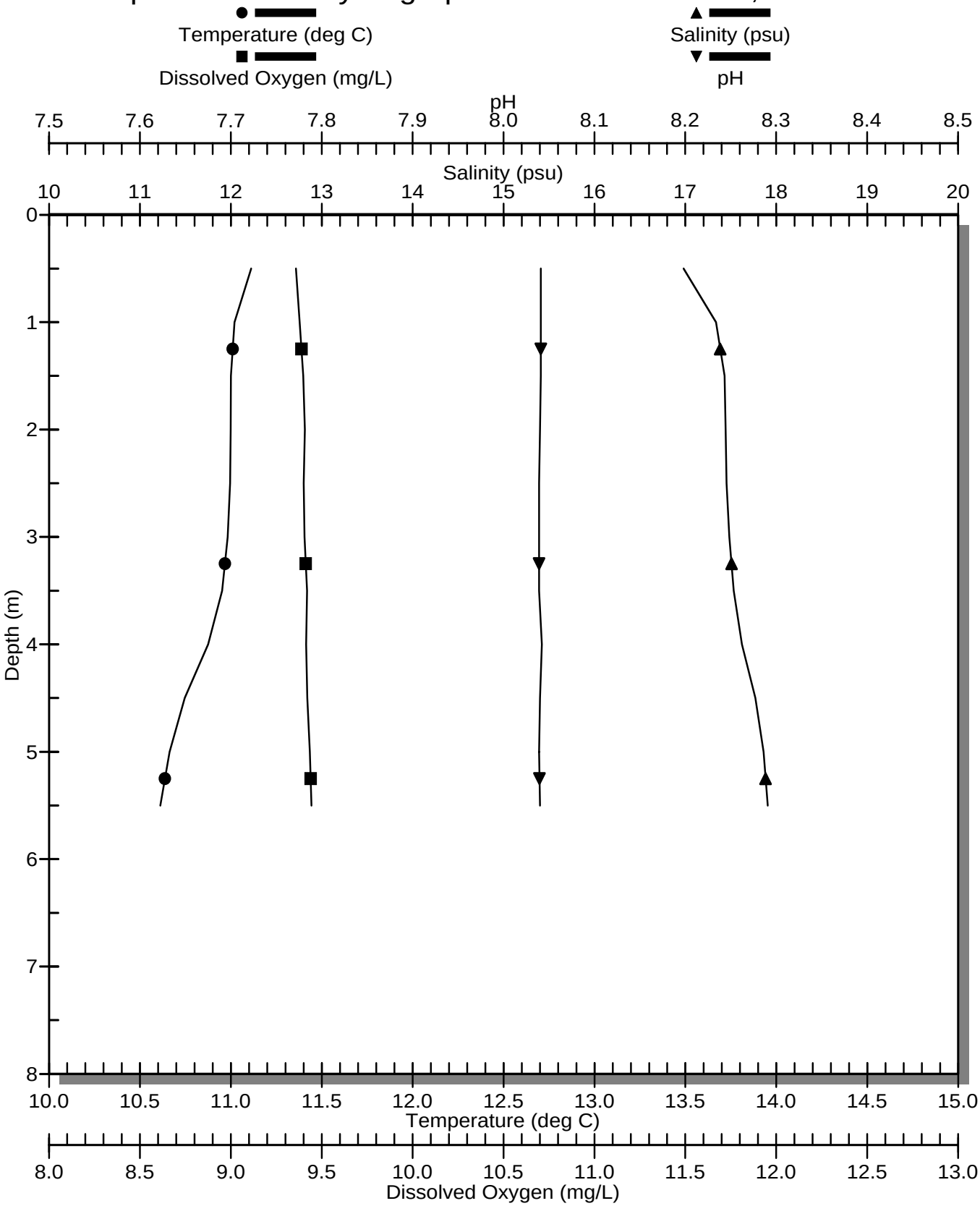
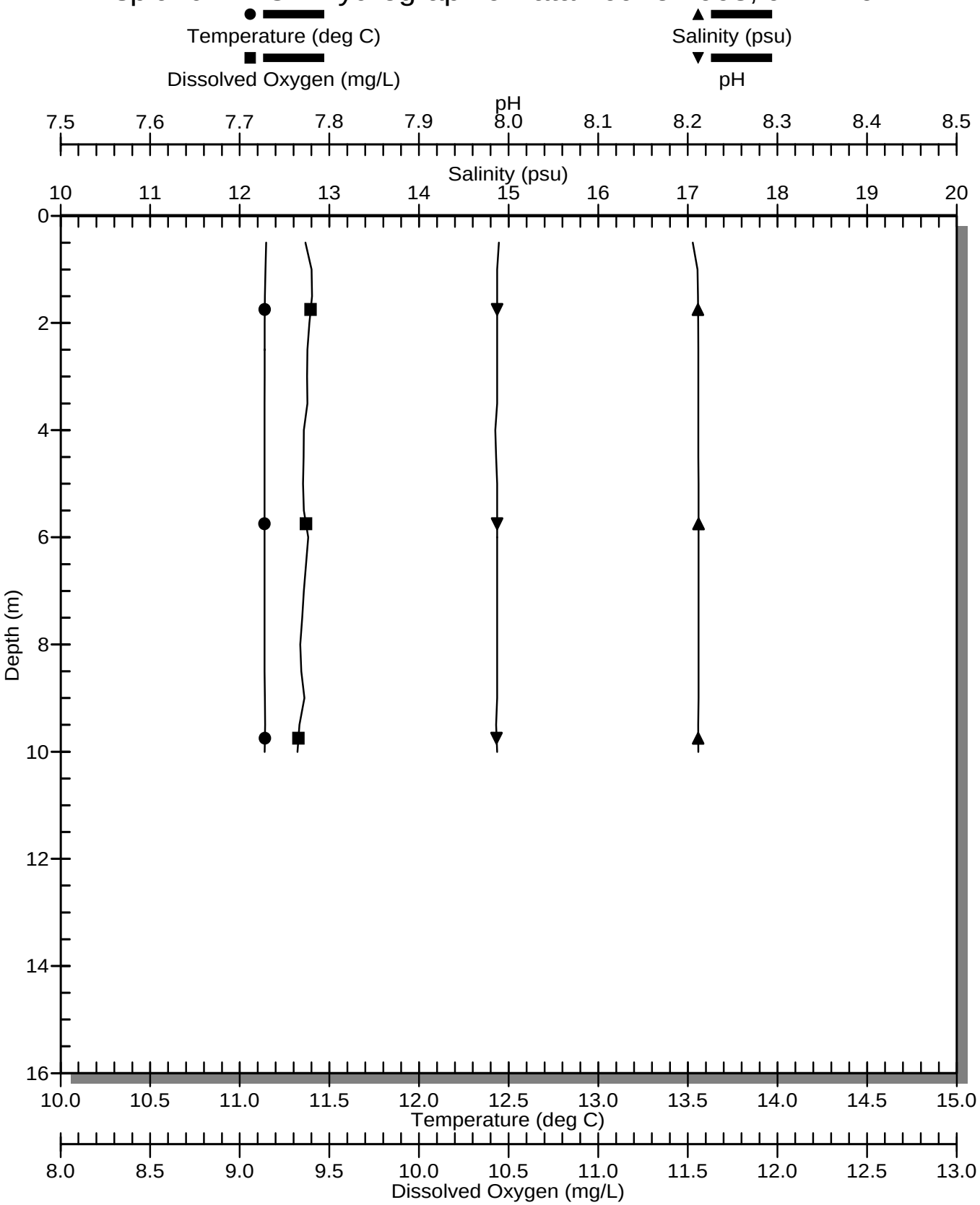


Asplund WPCF Hydrographic Data - June 2008, uE2-1.cnv



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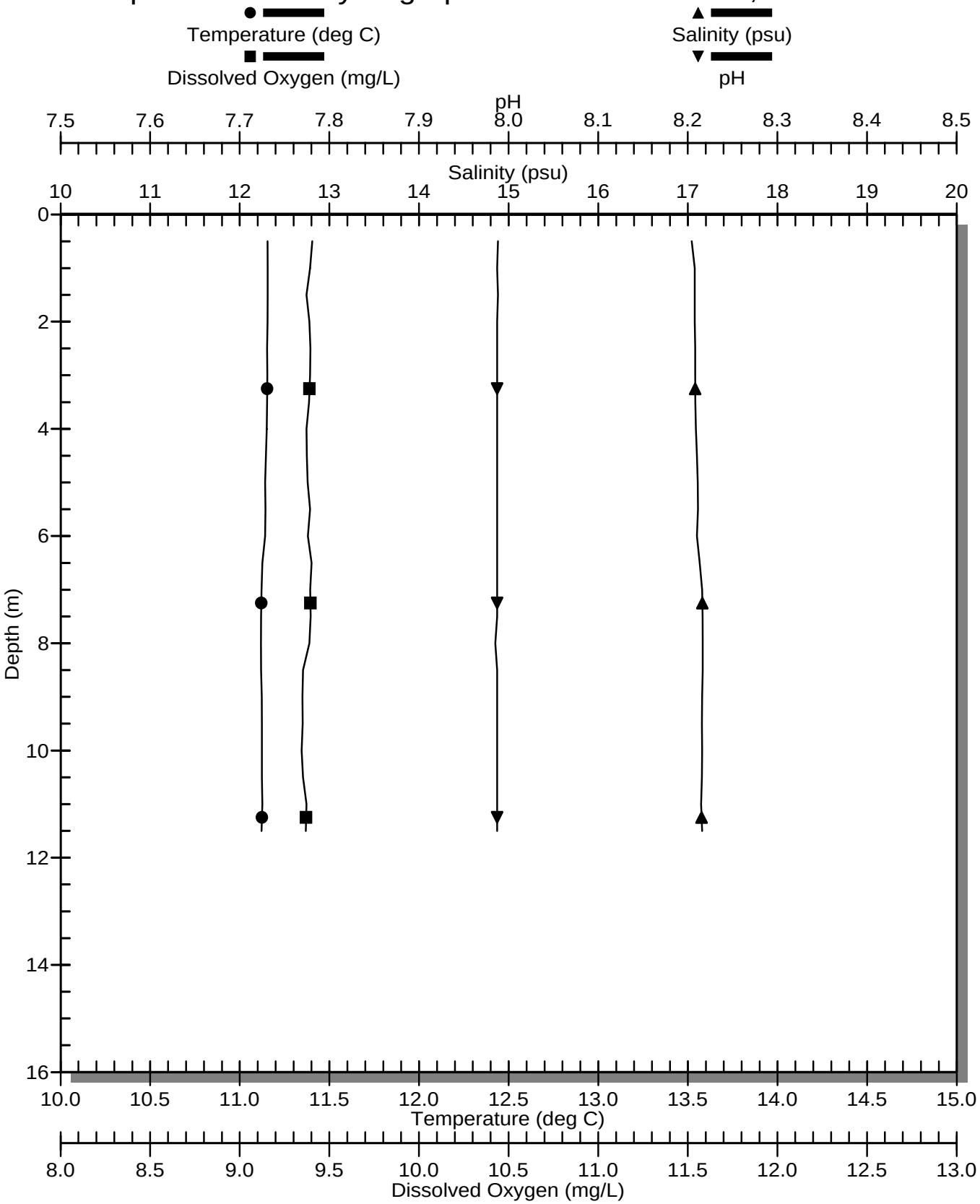

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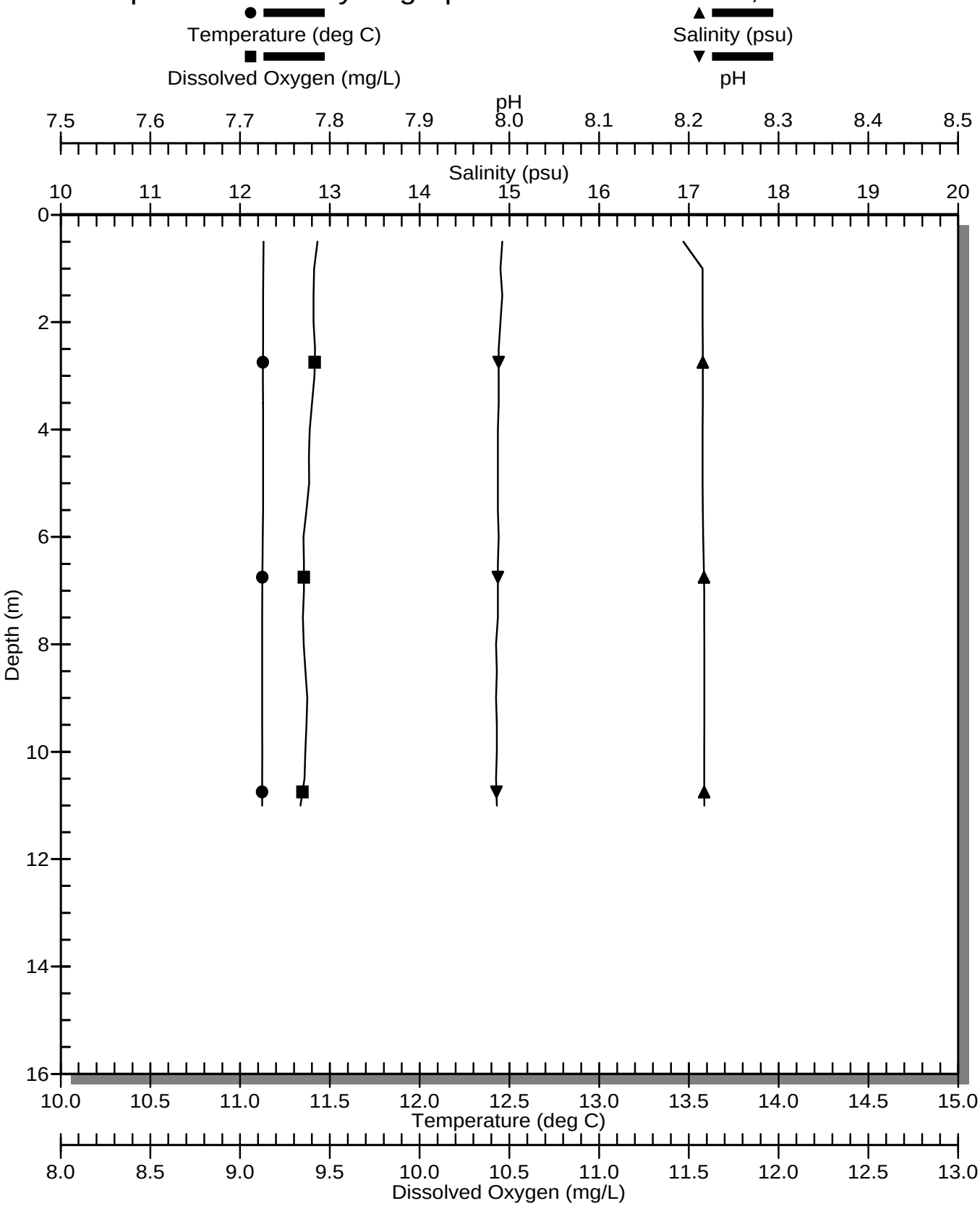

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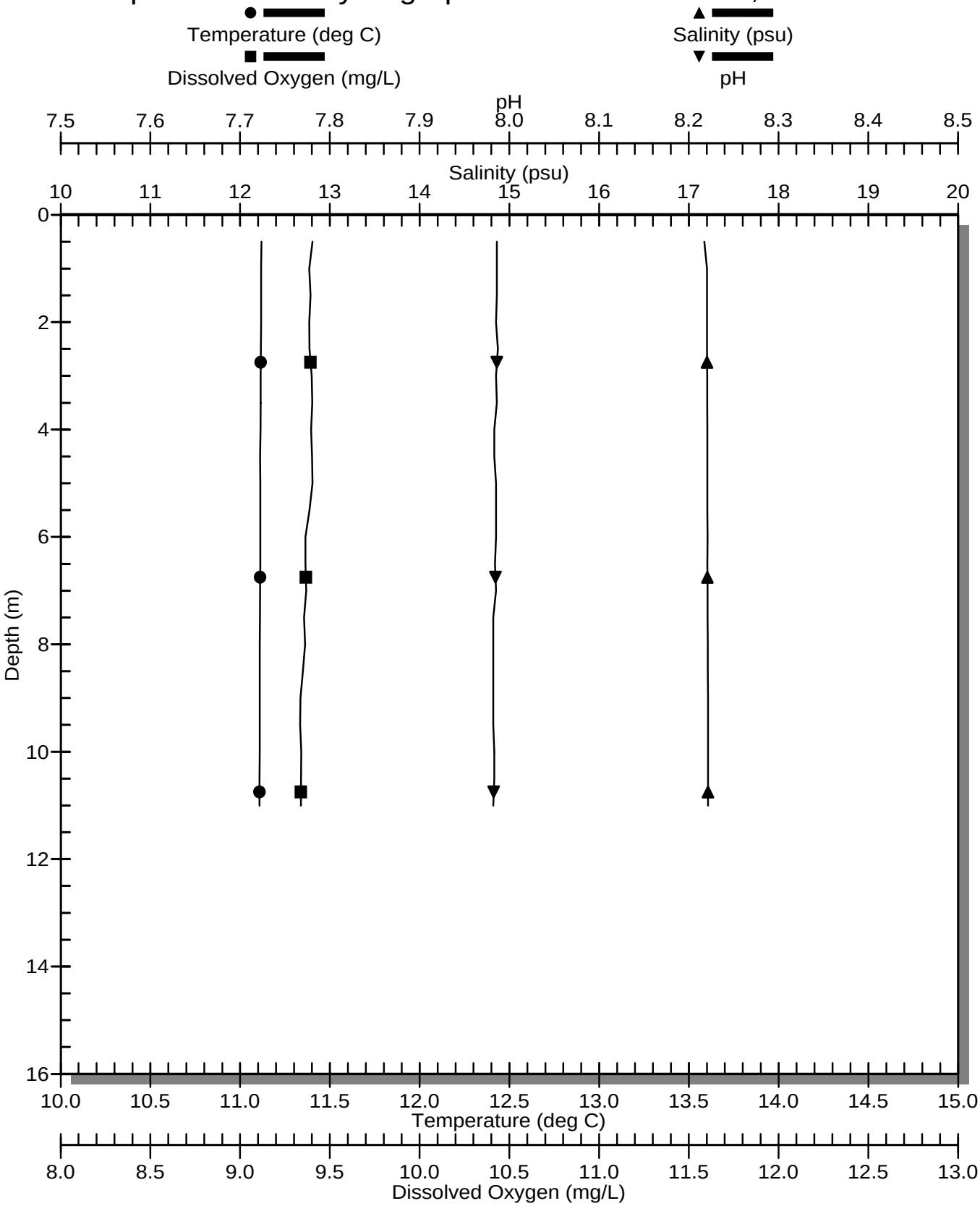

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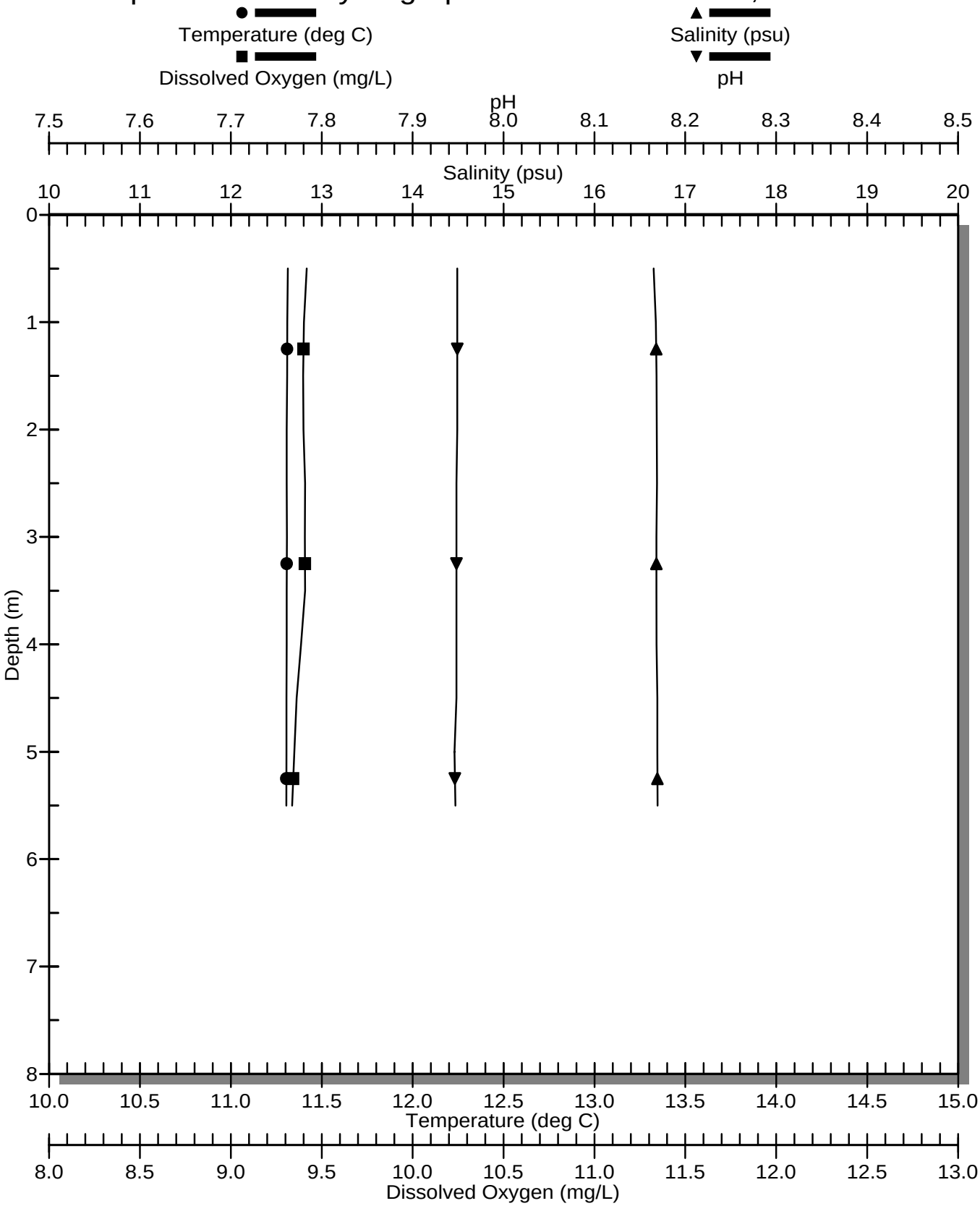

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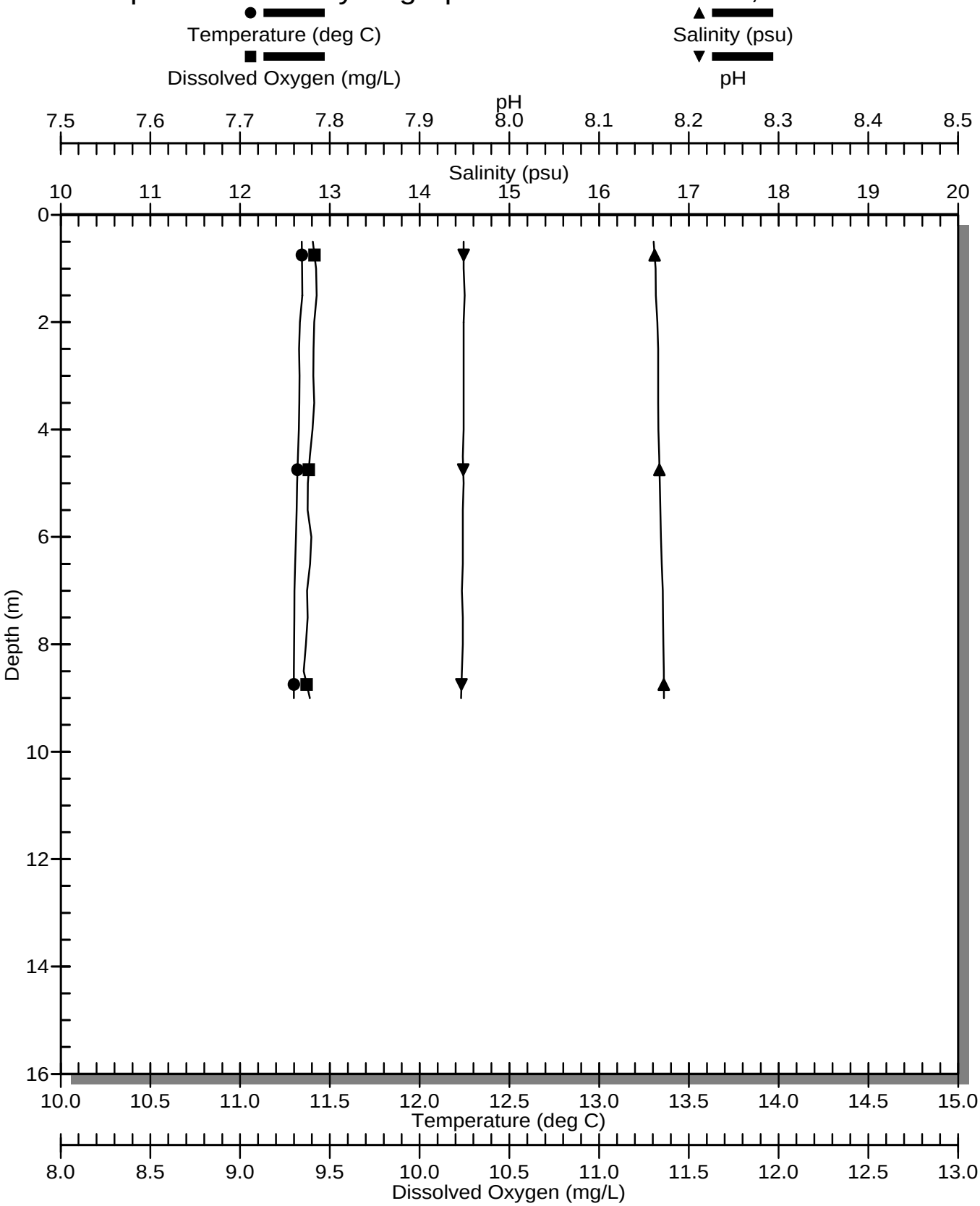

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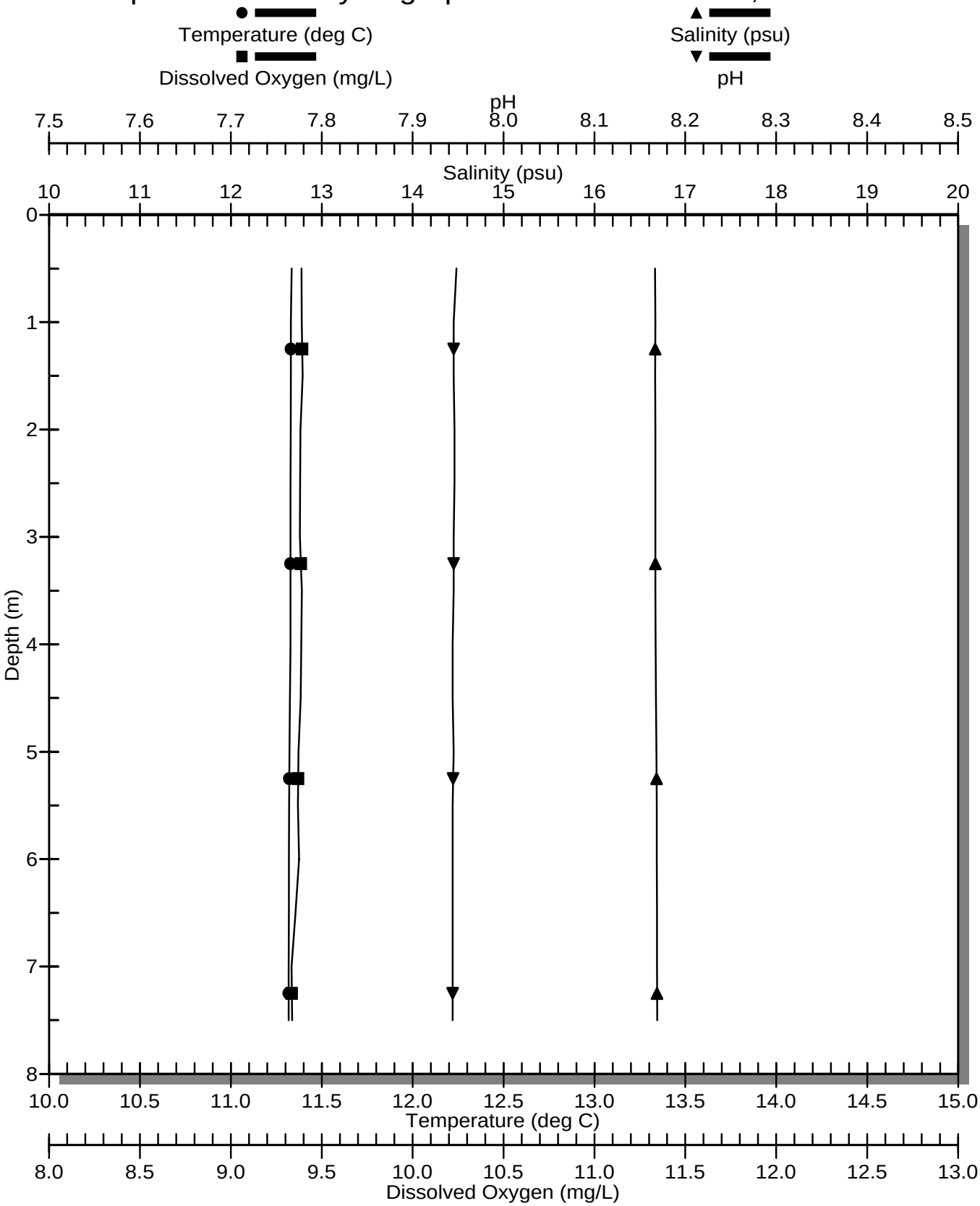

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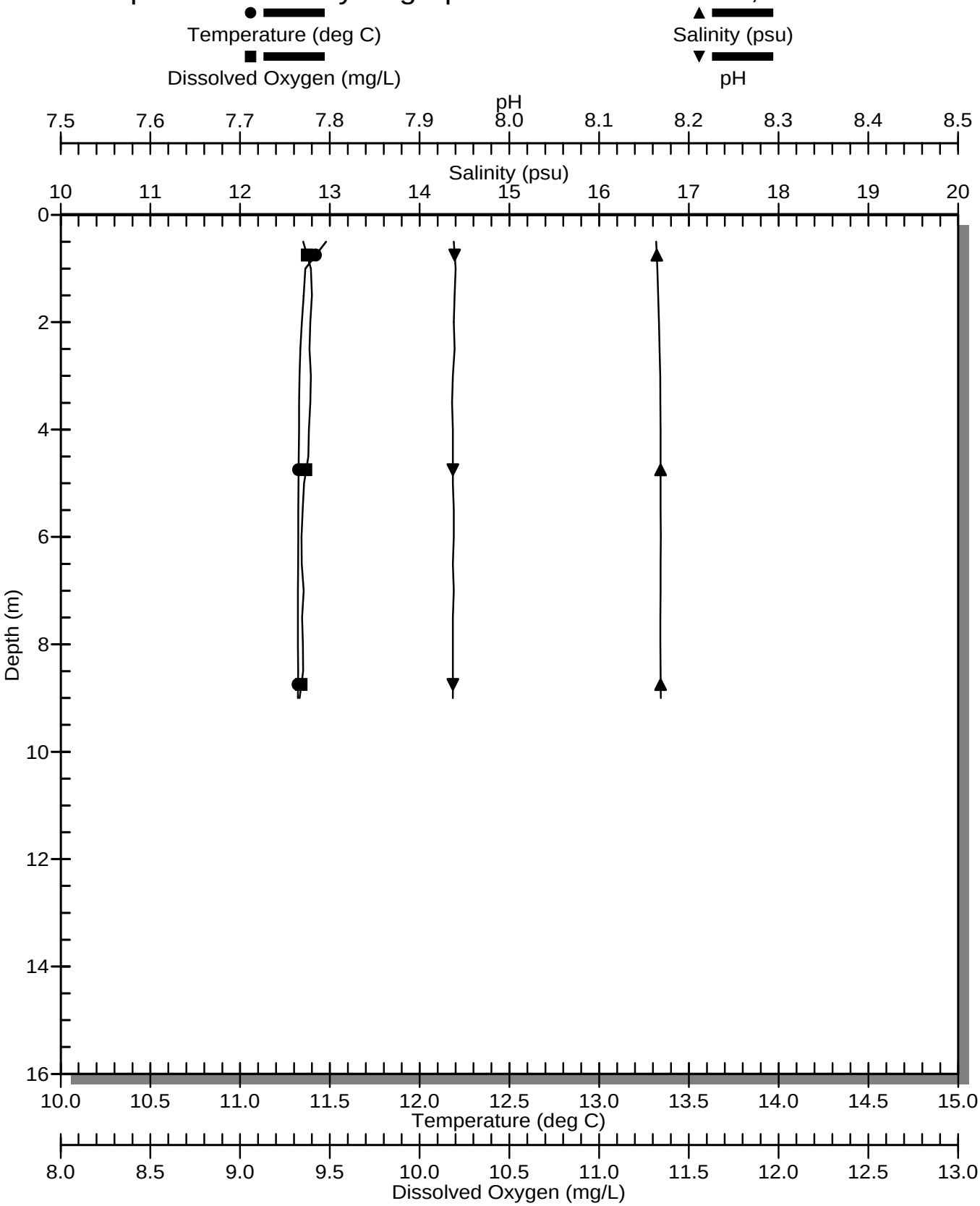
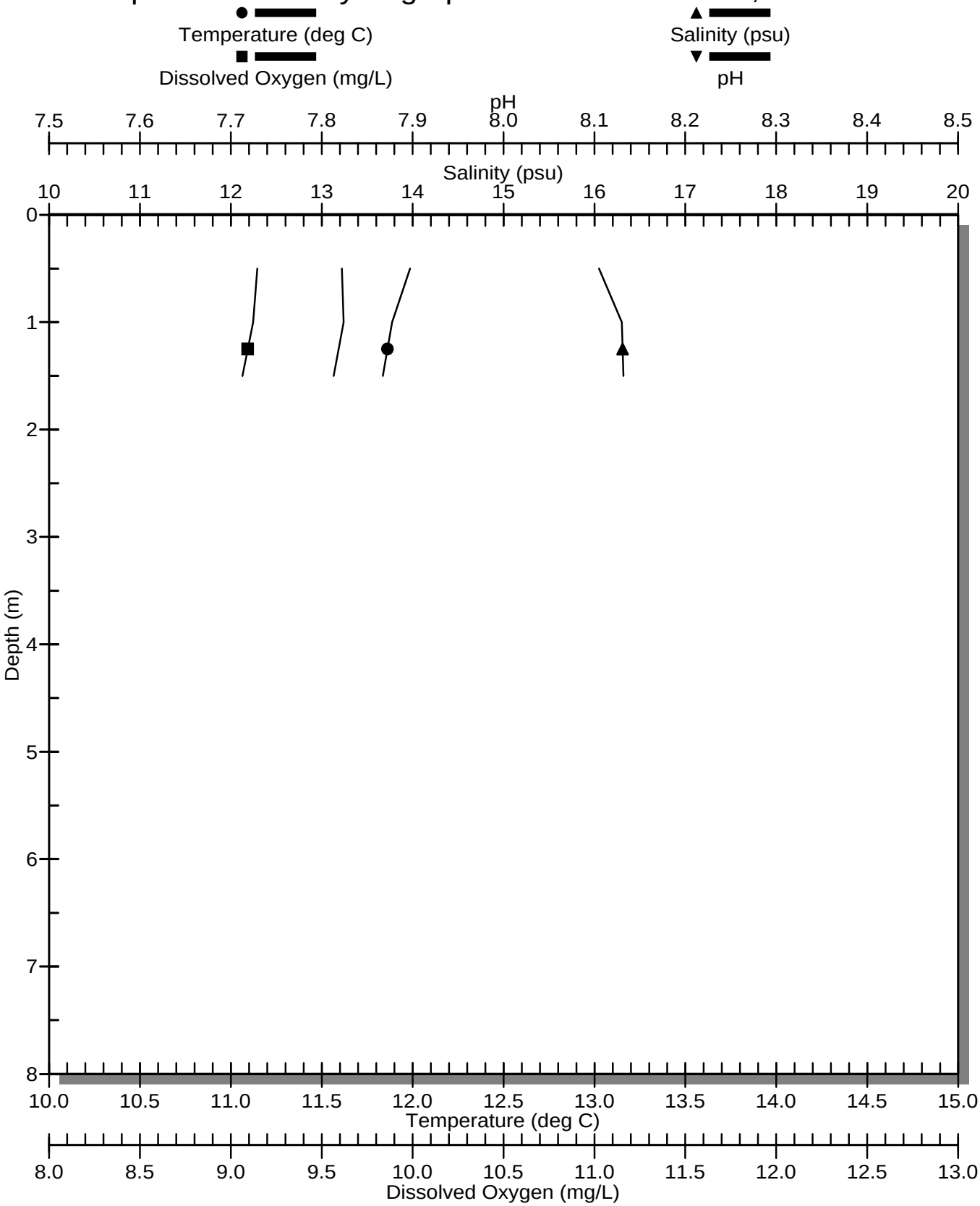


Asplund WPCF Hydrographic Data - June 2008, uF1-1.cnv



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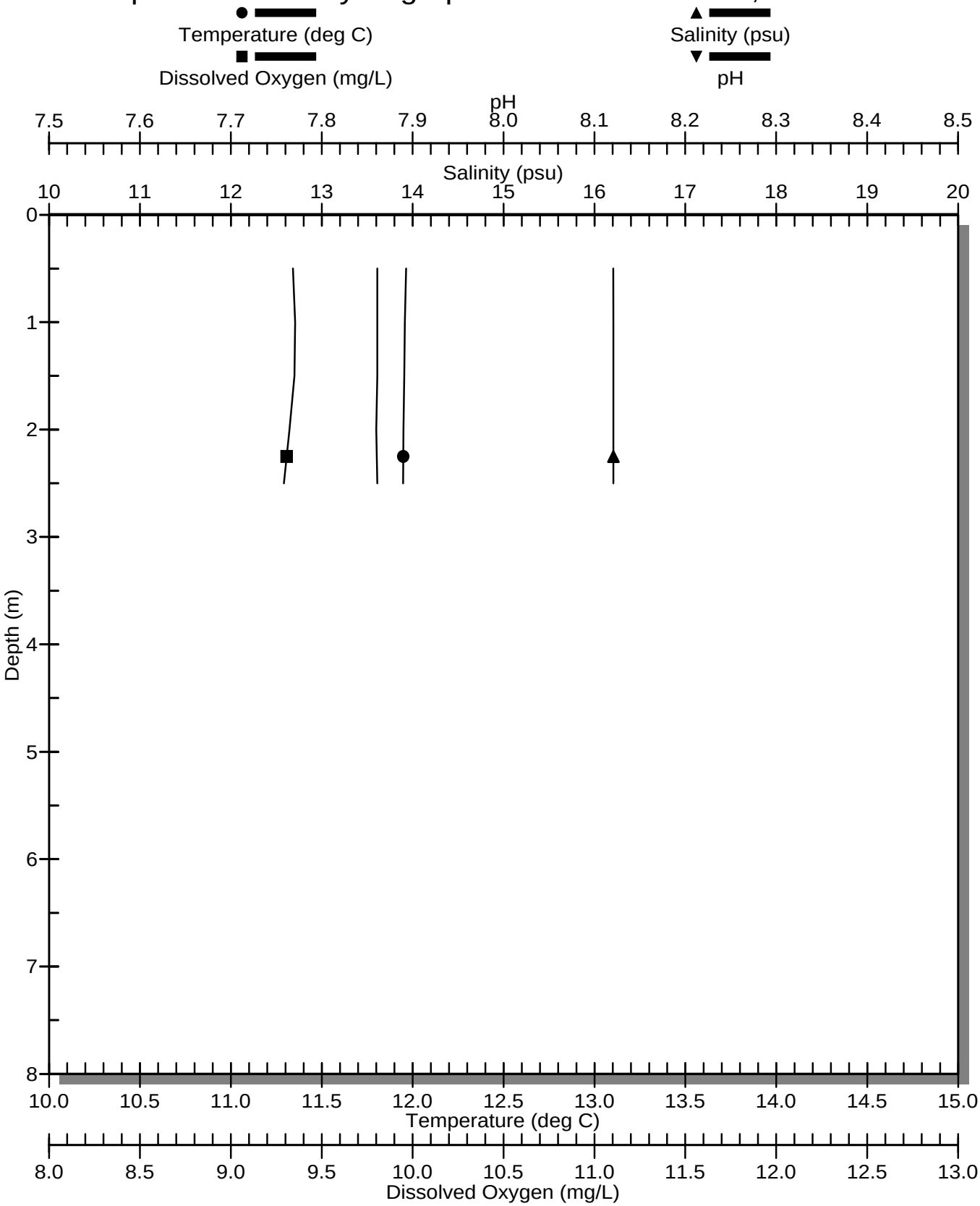

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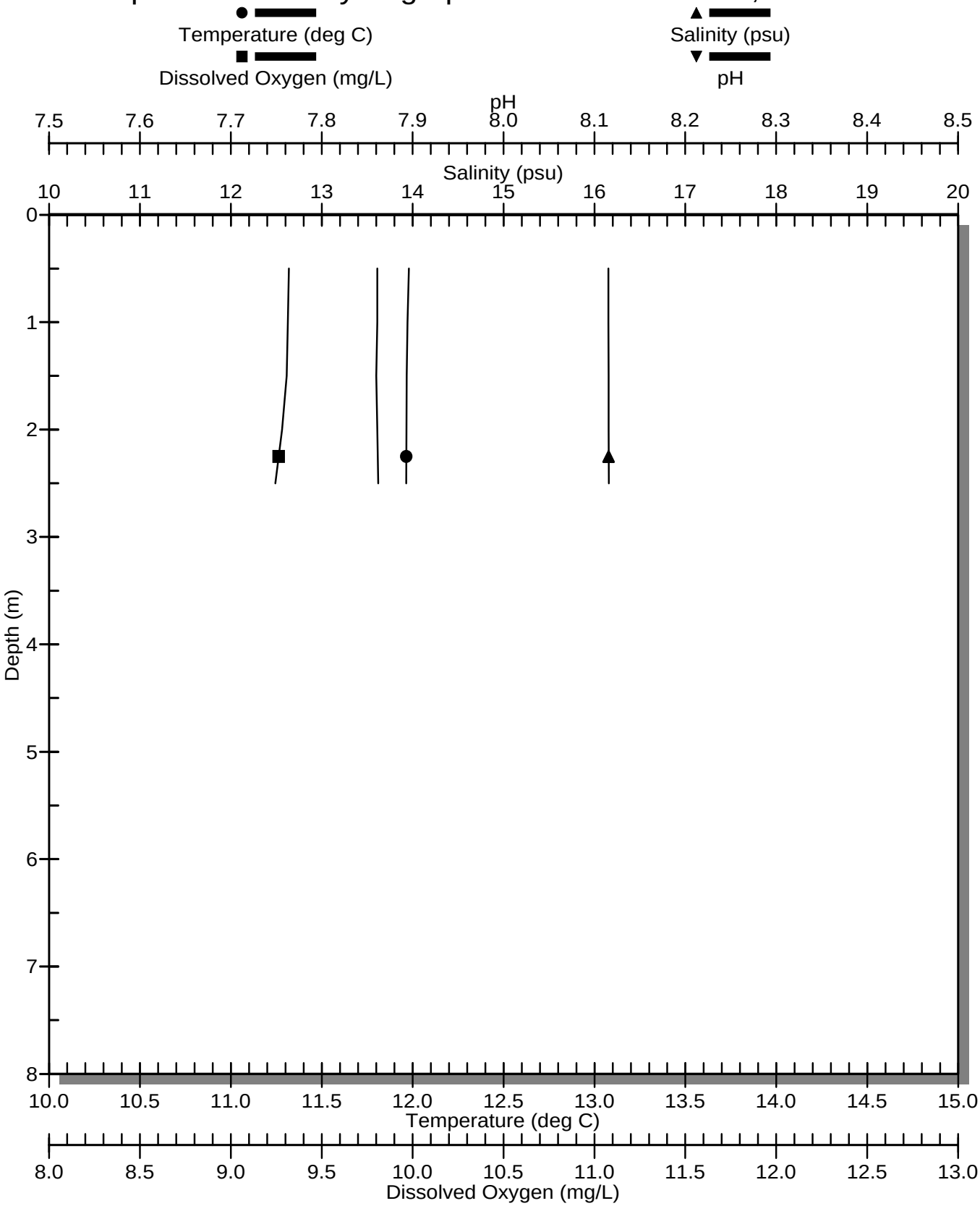

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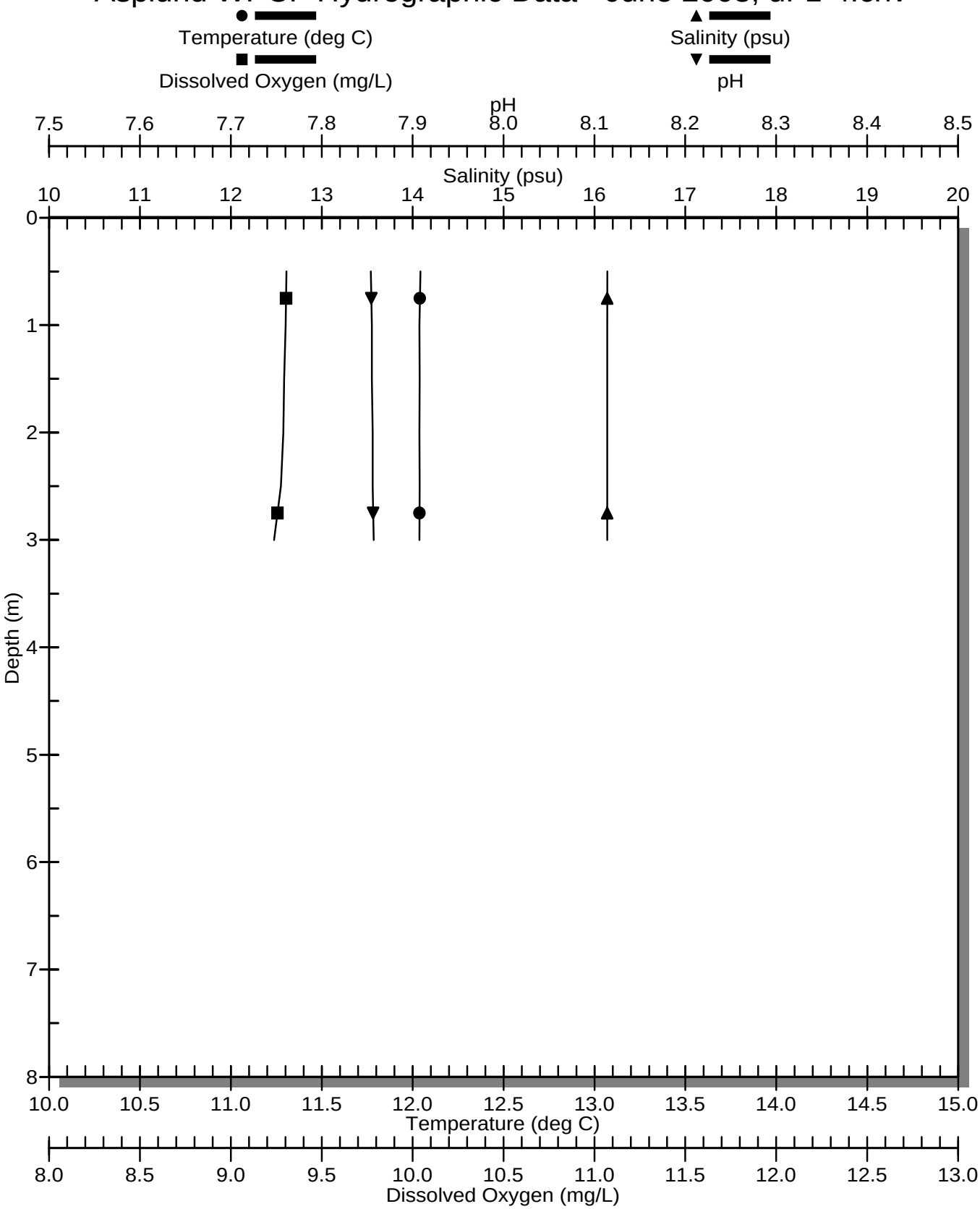

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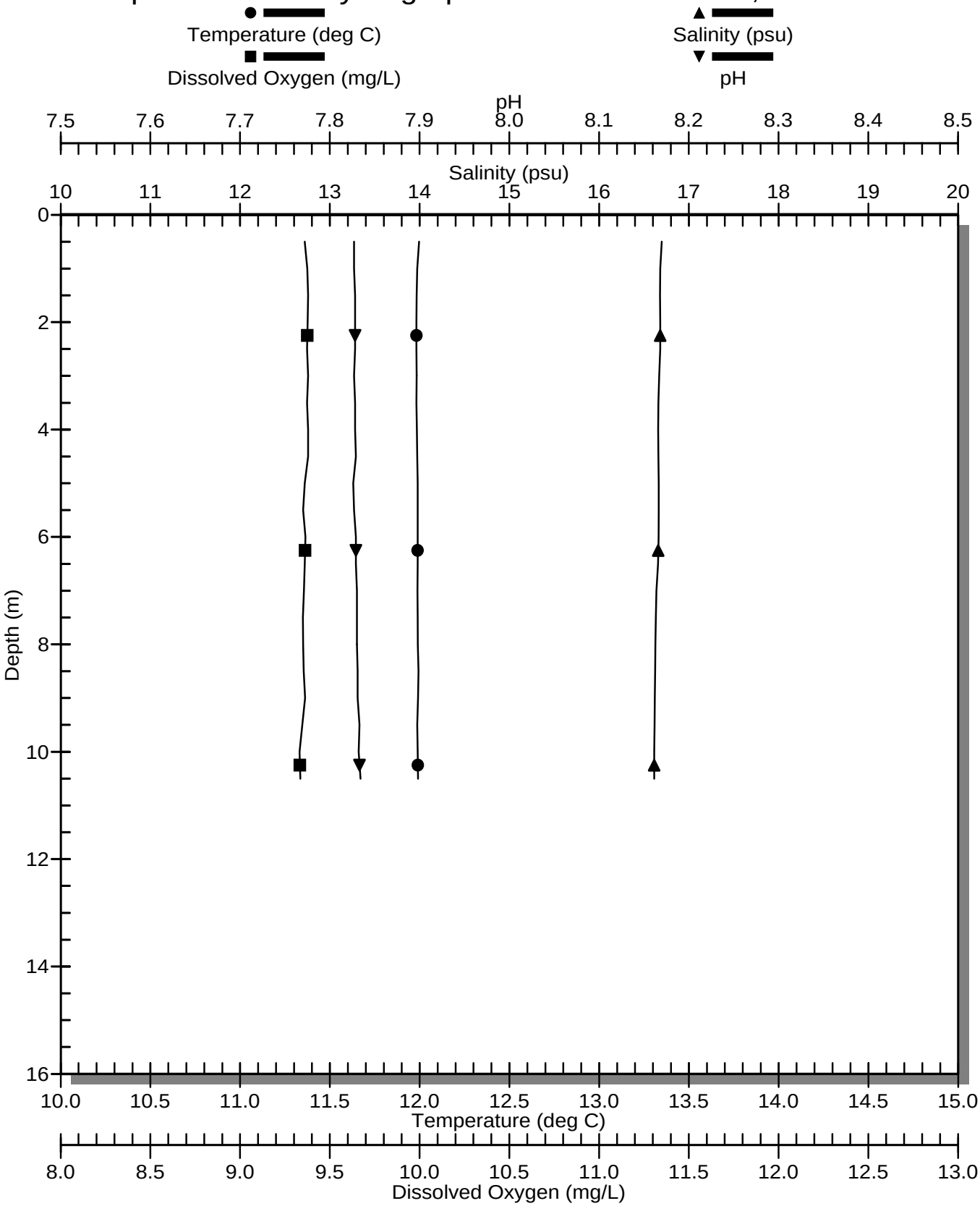

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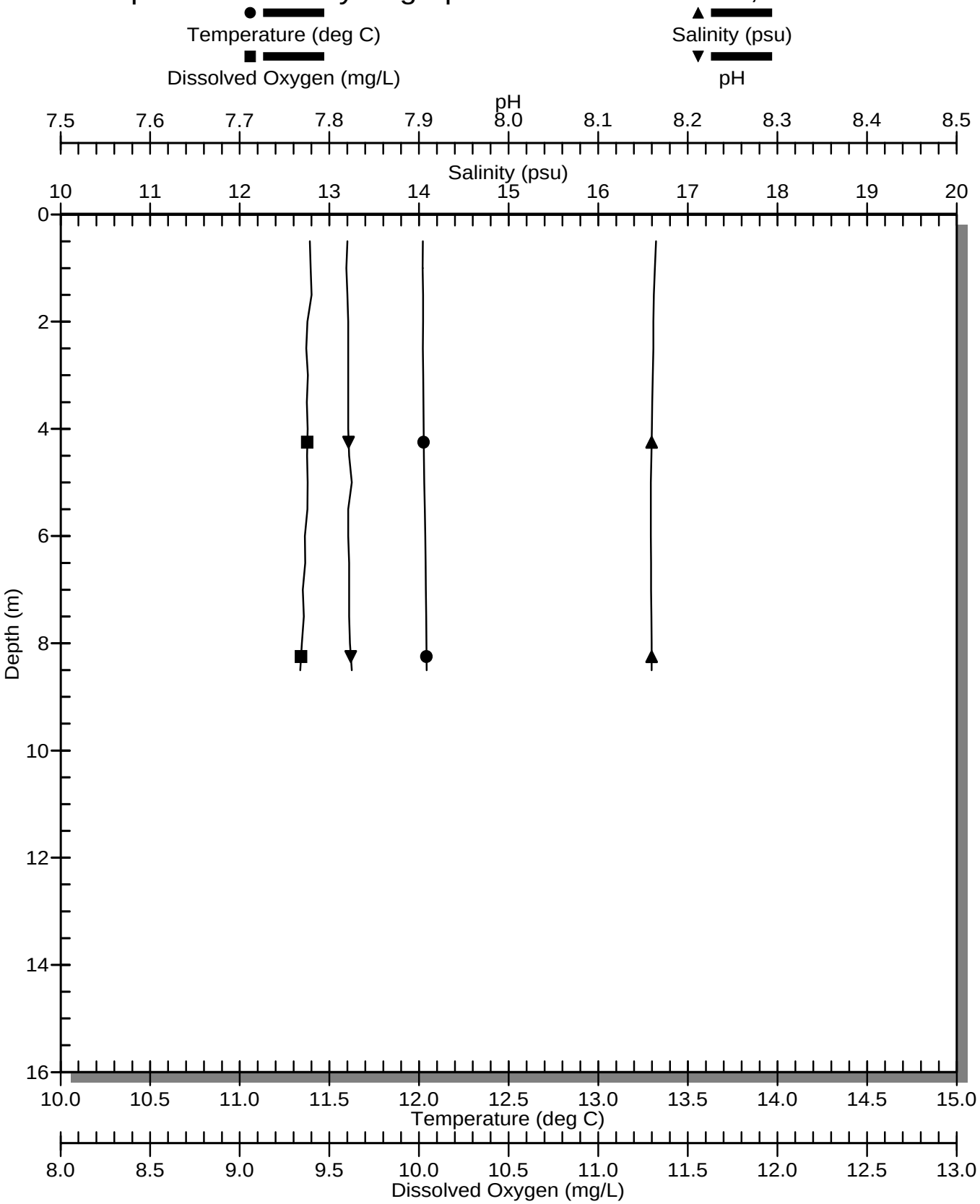

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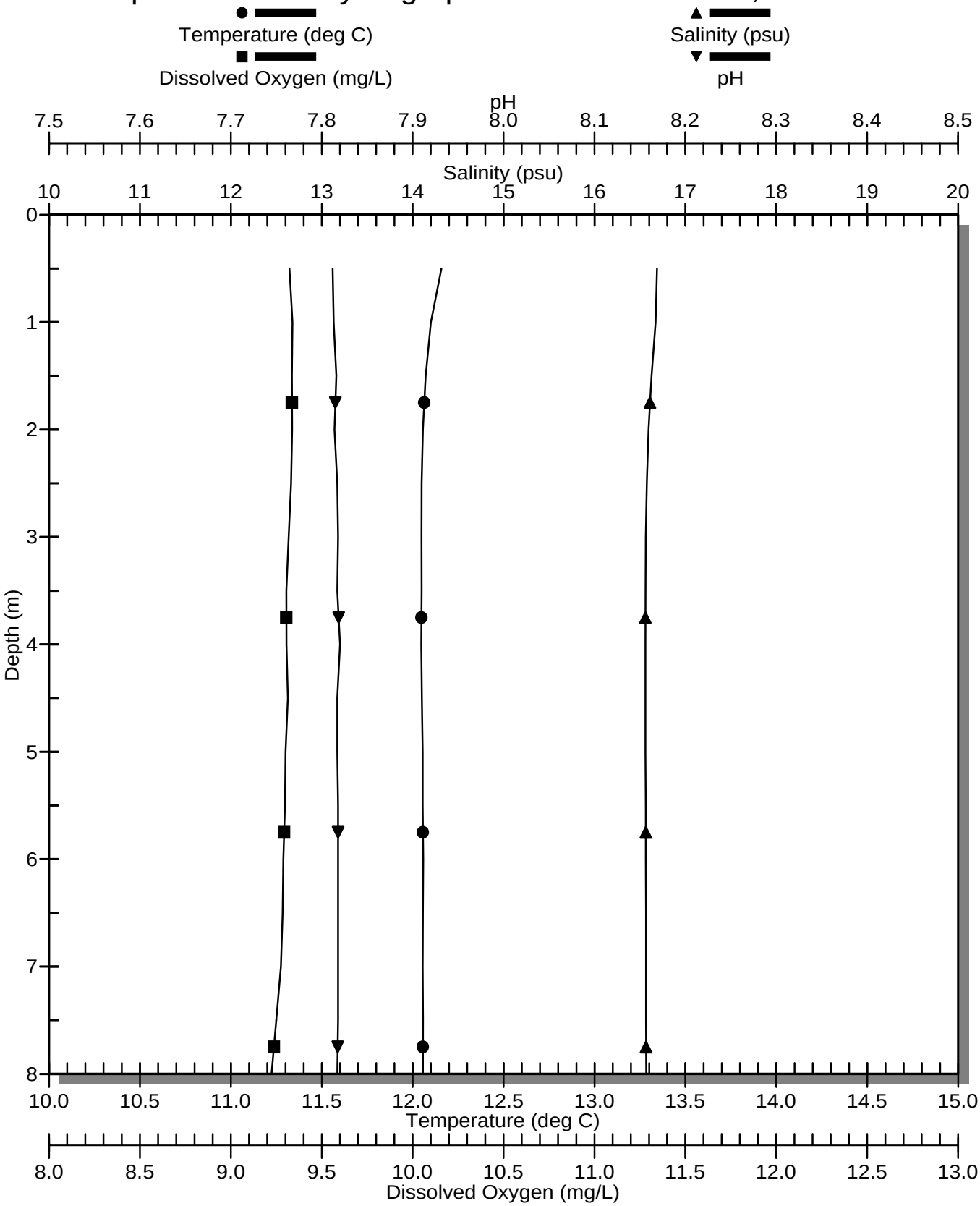

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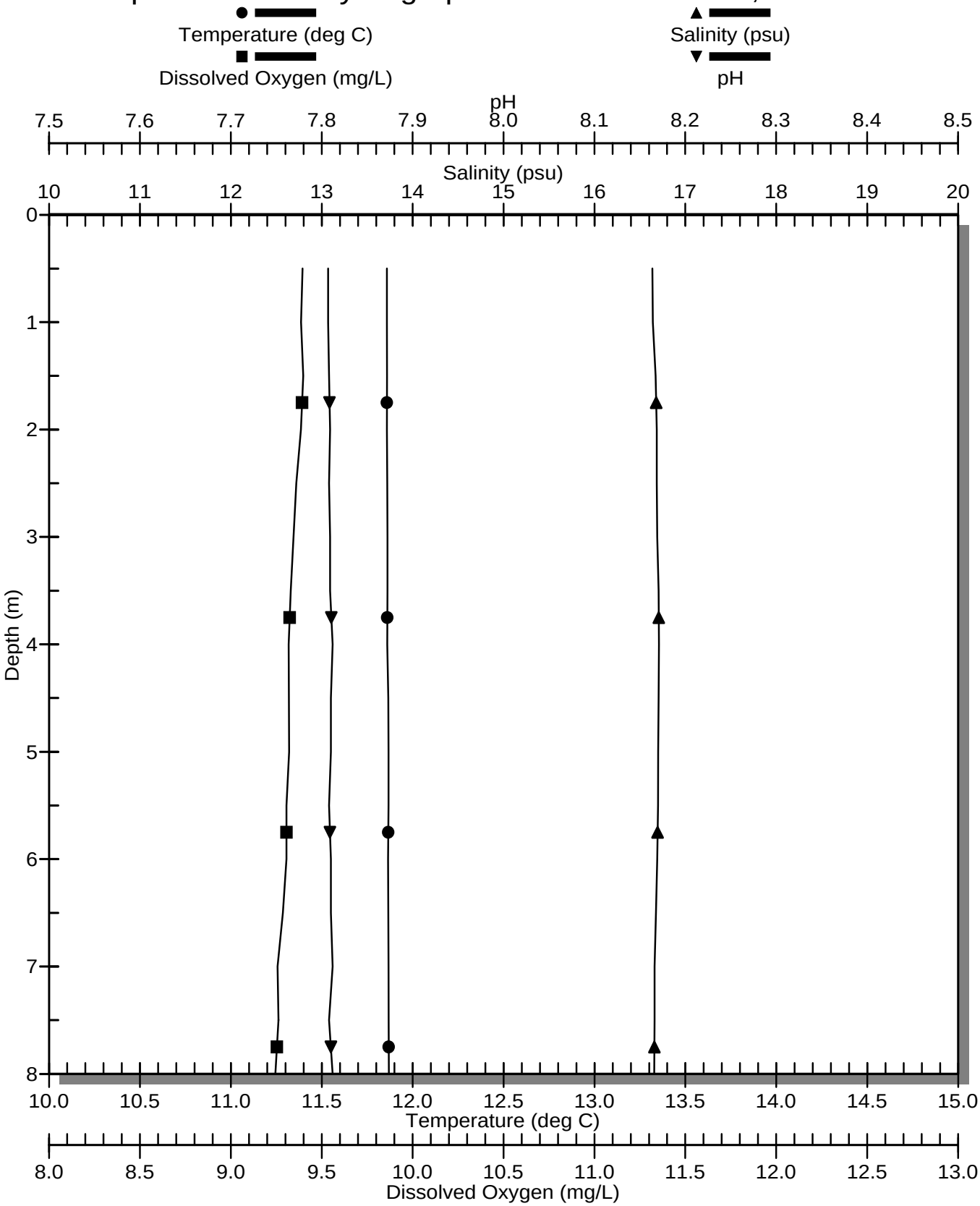

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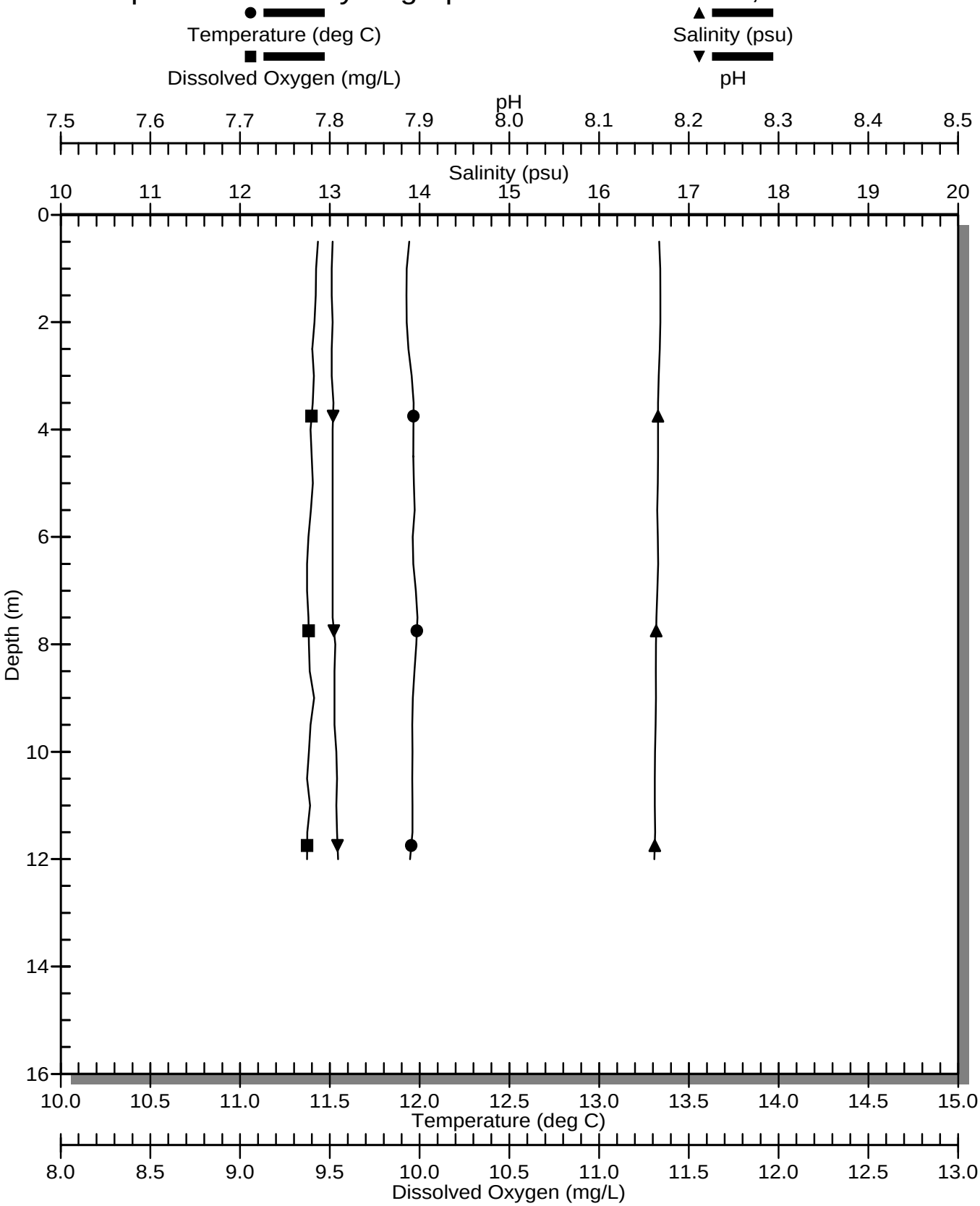

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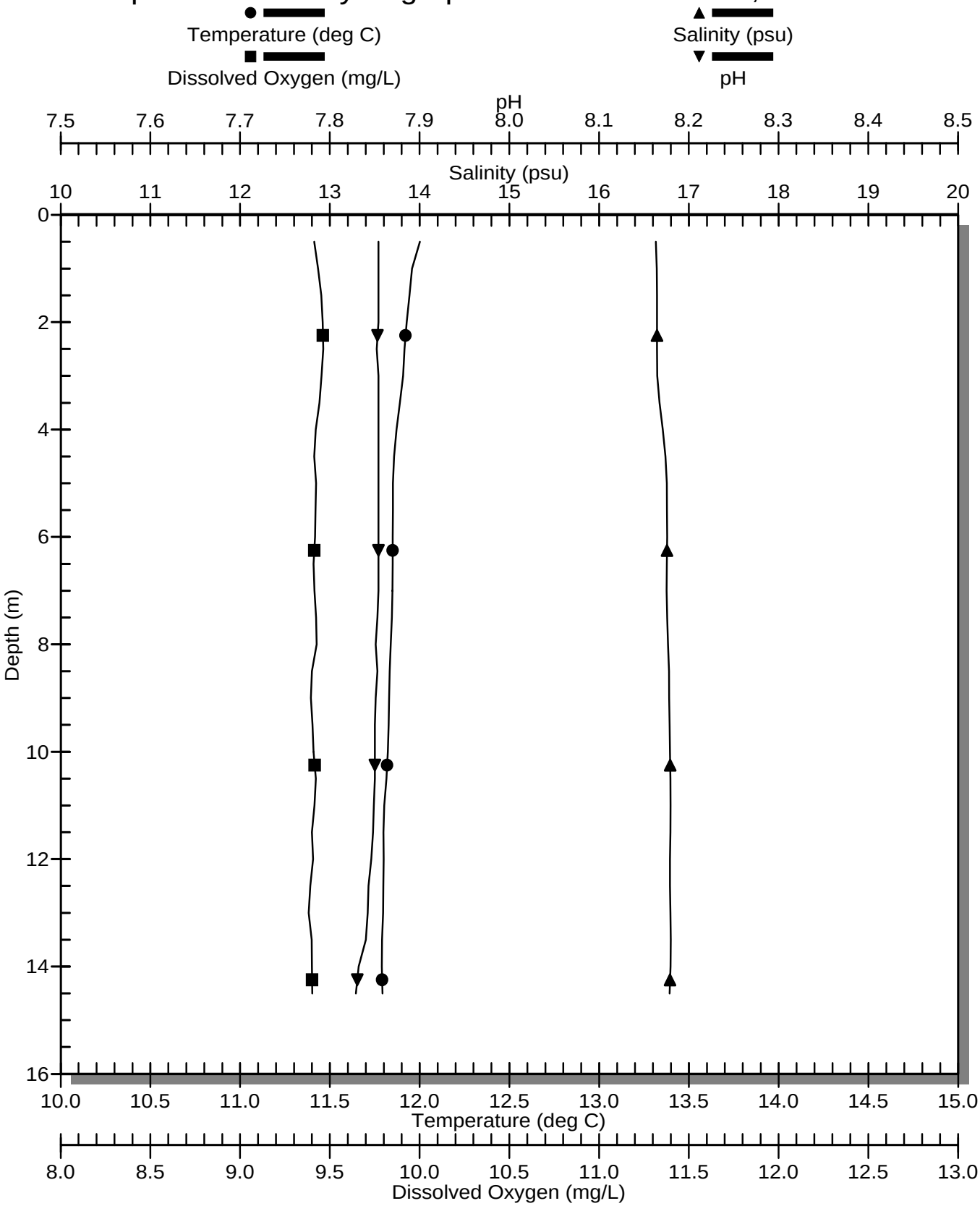

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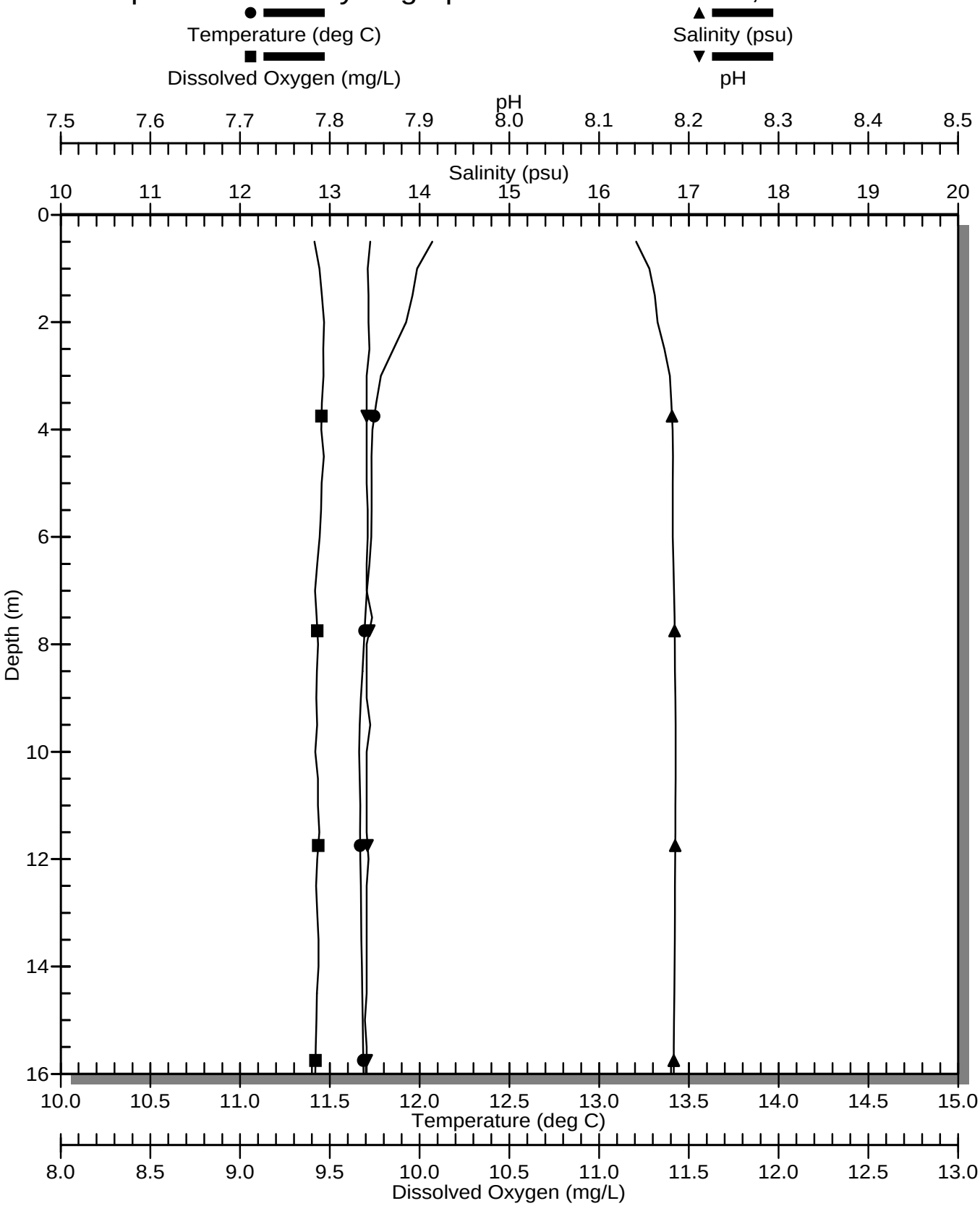

APPENDIX C

Receiving Water Quality Monitoring

C9 Field Data Sheets

Kinnetic Laboratories, Inc.

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 1 **of** 36
STATION: E1-1	**TIME:** 0715	
TIDE STAGE: Ebb	**DEPTH:** 11.7 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.343	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 150° 01.267		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: At outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	01	01		01						
MID					02						
BOTTOM					03						

QC SAMPLES COLLECTED: None

CSTD Seabird: 376	**CAST NO.:** 1	**CSTD ON TIME:** 0715

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR	sewage/chlorine		
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: overcast, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 2 **of** 36
STATION: E1-2	**TIME:** 0737	
TIDE STAGE: Ebb	**DEPTH:** 12.1 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.149	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAA5	
LONGITUDE (W): 150° 01.884	Y	**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: ZID boundary

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	2	2		4						
MID					5						
BOTTOM					6						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 2	**CSTD ON TIME:** 0737

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	two loop		
FOAM (other than trace)	none		
SHEEN OR OIL	↓		
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: overcast

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 3 **of** 36
STATION: E1-3	**TIME:** 0753	
TIDE STAGE: Ebb	**DEPTH:** 6.8 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 11.828'	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAA5	
LONGITUDE (W): 150° 02.285		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 1.3 Km from outfall.

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	3	3	X	7						
MID	X	X	X	X	8	X	X	X	X	X	
BOTTOM	X	X	X	X	9	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 3	**CSTD ON TIME:** 0753

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: overcast, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 08/17/08	**Page** 4 **of** 36
STATION: E1-4	**TIME:** 0817	
TIDE STAGE:	**DEPTH:** 7.9 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 11.315'	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAA5	
LONGITUDE (W): 150° 03.034		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 2.4 km SW of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	4	4		10						
MID					11						
BOTTOM					12						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 4	**CSTD ON TIME:** 0817

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS:

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 5 **of** 36
STATION: E2-1	**TIME:** 0855	
TIDE STAGE: Ebb	**DEPTH:** 8.9 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.347	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 150° 01.286		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	5	5		13						
MID					14						
BOTTOM					15						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 5	**CSTD ON TIME:** 0855

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 6 **of** 36
STATION: E2-2	**TIME:** 0901	
TIDE STAGE: Ebb	**DEPTH:** 14.8 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.274	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAA5
LONGITUDE (W): 150° 01.999		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: Z10 boundary ~ 650m

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	6	6		16						
MID					17						
BOTTOM					18						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 6	**CSTD ON TIME:** 0901

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: partly sunny, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 7 **of** 36
STATION: E2-3	**TIME:** 0908	
TIDE STAGE: Ebb	**DEPTH:** 11.5 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.028	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 02.731		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 1.4 Km SW of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	7	7		19						
MID					20						
BOTTOM					21						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 7	**CSTD ON TIME:** 0909

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: partly sunny, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 8 **of** 36
STATION: E2-4	**TIME:** 0924	
TIDE STAGE: Ebb	**DEPTH:** 12.2 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 11.639	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 150° 03.639		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: 2.5 km SW of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	8	8	X	22						
MID	X	X	X	X	23	X	X	X	X	X	
BOTTOM	X	X	X	X	24	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 8	**CSTD ON TIME:** 0925

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: sunny

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 9 **of** 36
STATION: E3-1	**TIME:** 1053	
TIDE STAGE: Ebb	**DEPTH:** 5.2 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.342	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 01.295	Y	**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	9	9		25						
MID					26						
BOTTOM					27						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 9	**CSTD ON TIME:** 1053

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunny, no wind

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 16 **of** 36
STATION: E3-2	**TIME:** 1102	
TIDE STAGE: Ebb	**DEPTH:** 10.7 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.265	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 01.990		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At ZID Boundary

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	10	10		28						
MID					29						
BOTTOM					30						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 10	**CSTD ON TIME:** 1103

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: sunny, no wind, calm.

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 11 **of** 36
STATION: E3-3	**TIME:** 1114	
TIDE STAGE: Ebb	**DEPTH:** 8.1 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.094	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 02.617		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION:

SAMPLE COLLECTION INFORMATION **(Record suffix of SAMPID for each sample collected.)**

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	11	11		31						
MID					32						
BOTTOM					33						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 11	**CSTD ON TIME:** 1114

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 12 **of** 36
STATION: E3-4	**TIME:** 1140	
TIDE STAGE: Ebb	**DEPTH:** 9.9 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 11.572	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 03.877		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION:

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	12	12	X	34						
MID	X	X	X	X	35	X	X	X	X	X	
BOTTOM	X	X	X	X	36	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 12	**CSTD ON TIME:** 1140

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS:

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 13 **of** 36
STATION: F1-1	**TIME:** 1415	
TIDE STAGE: Flood	**DEPTH:** 2.4 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.356	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 01.295		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE		13	13		37	001	001	001	001	001	
MID					38						
BOTTOM					39						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 13	**CSTD ON TIME:** 1415

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL	↓		
ODOR	chlorine		
RECREATION	10 people on beach		
WILDLIFE	none		

WEATHER INFORMATION/COMMENTS: sunny, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 19 **of** 36
STATION: F1-2	**TIME:** 1444	
TIDE STAGE: Flood	**DEPTH:** 3.5 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.424	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 150° 00.564		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: At ZID Boundary

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	14	14	X	40	02/03	02	02	02	02	
MID	X	X	X	X	41	X	X	X	X	X	
BOTTOM	X	X	X	X	42	X	X	X	X	X	

QC SAMPLES COLLECTED: Duplicate 602 Sample

CSTD Seabird: 376	**CAST NO.:** 14	**CSTD ON TIME:** 1444

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION	people on the beach		
WILDLIFE	none		

WEATHER INFORMATION/COMMENTS: Sunny, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	Page 5 of 36
STATION: F1-3	**TIME:** 1500	
TIDE STAGE: Flood	**DEPTH:** 4.3 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.346	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAT5
LONGITUDE (W): 149° 59.812		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: 1.3 km east of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	15	15	X	43	04	03	03	03	03	
MID	X	X	X	X	44	X	X	X	X	X	
BOTTOM	X	X	X	X	45	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 15	**CSTD ON TIME:** 1500

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: partly cloudy, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 6 **of** 36
STATION: F1-4	**TIME:** 1515	
TIDE STAGE: Flood	**DEPTH:** 3.6 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.263	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAA5
LONGITUDE (W): 149° 59.099		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: 2.0 km east of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	16	16	X	46						
MID	X	X	X	X	47	X	X	X	X	X	
BOTTOM	X	X	X	X	48	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 16	**CSTD ON TIME:** 1515

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: partly sunny, light breeze

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 17 **of** 36
STATION: F2-1	**TIME:** 1557	
TIDE STAGE: Flood	**DEPTH:** 6.2 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.348	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 150° 01.280		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: At outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	17	17		49						
MID					50						
BOTTOM					51						

QC SAMPLES COLLECTED: CTD may have tripped off at bottom.

CSTD Seabird: 376	**CAST NO.:** 17	**CSTD ON TIME:** 1557

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION	~ 15-20 people on board		
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

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HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 18 **of** 36
STATION: F2-2	**TIME:** 1604	
TIDE STAGE: Flood	**DEPTH:** 7.0 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.537	**DGPS?** Circle Y or N: Y	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 00.651		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At ZID boundary

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	18	18		52						
MID					53						
BOTTOM					54						

QC SAMPLES COLLECTED: CTD turned on twice, didn't look like pump was working on first cast.

CSTD Seabird: 376	**CAST NO.:** 18	**CSTD ON TIME:**

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION	people on	boat	
WILDLIFE	none		

WEATHER INFORMATION/COMMENTS: Sun

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 19 **of** 36
STATION: F2-3	**TIME:** 1614	
TIDE STAGE: Flood	**DEPTH:** 11.8 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.588	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAA5
LONGITUDE (W): 149° 59.909		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: 1.3 km east of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE		19	19	X	55						
MID	X	X	X	X	56	X	X	X	X	X	
BOTTOM	X	X	X	X	57	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 19	**CSTD ON TIME:** 1614

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: sunny, light westerly wind 2-3 knots

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HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 36 **of** 36
STATION: F2-4	**TIME:** 1634	
TIDE STAGE: Flood	**DEPTH:** 9.6 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.510	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 59.144	Y	**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 2.0 km east of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	20	20		58						
MID					59						
BOTTOM					60						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 20	**CSTD ON TIME:** 1634

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS:

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HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 21 **of** 36
STATION: F3-1	**TIME:** 1714	
TIDE STAGE: Flood	**DEPTH:** 7.4 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.348	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAA5	
LONGITUDE (W): 150° 01.284		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	21	21		61						
MID					62						
BOTTOM					63						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 21	**CSTD ON TIME:** 1714

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION	5-6 people on beach		
WILDLIFE	none		

WEATHER INFORMATION/COMMENTS: Sunny, light westerly wind

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	Page 22 of 36
STATION: F3-2	**TIME:** 1722	
TIDE STAGE: Flood	**DEPTH:** 11.8 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.541	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 00.681		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At ZID boundary ENE of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	22	22		64						
MID					65						
BOTTOM					66						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 22	**CSTD ON TIME:** 1722

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION	people on beach		
WILDLIFE	none		

WEATHER INFORMATION/COMMENTS: Sane

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STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 33 **of** 36
STATION: F3-3	**TIME:** 1730	
TIDE STAGE: Flood	**DEPTH:** 18.4 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 12.671	**DGPS?** Circle Y or N: Y	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 150° 00.047		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 1.3 km ENE of outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE				X	67						
MID	X	X	X	X	68	X	X	X	X	X	
BOTTOM	X	X	X	X	69	X	X	X	X	X	

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 23	**CSTD ON TIME:** 1730

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Some

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STATION: F3-4	**TIME:** 1750	
TIDE STAGE: Flood	**DEPTH:** 16.3 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61°	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 149°		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: ~2.8 km from outfall

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	24	24		70						
MID					71						
BOTTOM					72						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 24	**CSTD ON TIME:** 1750

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS:

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	Page 25 of 36
STATION: C1-1	**TIME:** 1454	
TIDE STAGE: Flood	**DEPTH:** 25.2 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 13.952	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 59.126		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: At Control Drop Site

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE		25	25		73	05	04	04	04	04	
MID					74						
BOTTOM					75						

QC SAMPLES COLLECTED: 602: C-Station 0009 – DI Field Blank
Sample 005 – EPA 602 – 6 bottles

CSTD Seabird: 376	**CAST NO.:** 25	**CSTD ON TIME:** 1454

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	sticks some	tree limbs	
FOAM (other than trace)	none		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunny, west wind ~5 knots
Coal can spilled in Zone 1, may show up in 602s

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 26 **of** 36
STATION: C1-2	**TIME:** 1512	
TIDE STAGE: Flood	**DEPTH:** 5.7 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.009	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 59.016		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: ~ 200 m NE of drop pt.

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	26	26		76	06	05	05/06	05	05/06	
MID					77						
BOTTOM					78						

QC SAMPLES COLLECTED: Dups: TSS, cyanide, Trip Blanks
MS/MSD: cyanide

CSTD Seabird: 376	**CAST NO.:** 26	**CSTD ON TIME:** 1512

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	None		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	Page 27 of 36
STATION: C1-3	**TIME:** 1545	
TIDE STAGE: Flood	**DEPTH:** 2.9 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.443	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 58.100		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 400m from bluff, very close to shore.

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	27	27	X	79	007	06	07	06	07	
MID	X	X	X	X	80	X	X	X	X	X	
BOTTOM	X	X	X	X	81	X	X	X	X	X	

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 27	**CSTD ON TIME:** 1546

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: SW wind ~5 knots partly sunny

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 28 **of** 36
STATION: C1-4	**TIME:** 1613	
TIDE STAGE: Flood	**DEPTH:** 2.1 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.778	**DGPS?** Circle Y or N: Y	**DGPS REFERENCE STN:** WAA5	
LONGITUDE (W): 149° 57.590		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 2.1 km from drop ~400 m from block

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	28	28		82						
MID					83						
BOTTOM					84						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 28	**CSTD ON TIME:** 1613

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS:

BACTERIA SAMPLE MAY HAVE SAMPLE TIME OF 1630 DUE TO MISUNDERSTANDING OF STARTED SAMPLE TIME. COLOR SAMPLE HAS CORRECT TIME.

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 29 **of** 36
STATION: C2-1	**TIME:** 1634	
TIDE STAGE: Flood	**DEPTH:** 28.2 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 13.947	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 149° 59.089		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: Control Drop Site

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	29	29		85						
MID					86						
BOTTOM					87						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 29	**CSTD ON TIME:** 1634

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)			
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunny SSW wind ~5 Knots 1-2 ft chop

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 36 **of** 36
STATION: C2-2	**TIME:** 1644	
TIDE STAGE: Flood	**DEPTH:** 6.8 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.361	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 57.838		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 1.4 km from drop pt.

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓✓✓	30 31 32	30 31 32		88 89 90						
MID					91						
BOTTOM					92						

QC SAMPLES COLLECTED: Triplicate field samples
Triplicate CTD cast, didn't turn off

CSTD Seabird: 376	**CAST NO.:** 30	**CSTD ON TIME:** 1644

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	sticks, limbs		
FOAM (other than trace)	none		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 31 **of** 36
STATION: C2-3	**TIME:** 1659	
TIDE STAGE: Flood	**DEPTH:** 8.4 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.875	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAD5	
LONGITUDE (W): 149° 56.610	(Y)	**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 2.8 Km from drop ~ 800 m from bluff

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	33	33		93						
MID					94						
BOTTOM					95						

QC SAMPLES COLLECTED: Replicate

CSTD Seabird: 376	**CAST NO.:** 31	**CSTD ON TIME:** 1659

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	none		
FOAM (other than trace)	↓		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunc, sunny, 5 knot wind

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	Page 32 of 36
STATION: C2-4	**TIME:** 1714	
TIDE STAGE: Flood	**DEPTH:** 24.7 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 15.056	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 55.679		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 3.6 km from drop

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	34	34		96						
MID					97						
BOTTOM					98						

QC SAMPLES COLLECTED:

CSTD Seabird: 376	**CAST NO.:** 32	**CSTD ON TIME:** 1714

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	logs etc.		
FOAM (other than trace)	none		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: 5 aml

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 33 **of** 36
STATION: C3-1	**TIME:** 1758	
TIDE STAGE: Flood	**DEPTH:** 31.0 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 13.950	**DGPS?** Circle Y or N: Y	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 149° 59.092		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: Lab Trap Control Drop

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE		35	35, 36, 37		99						
MID					100						
BOTTOM					101						

QC SAMPLES COLLECTED: Lab Triplicate for Color

CSTD Seabird: 376	**CAST NO.:** 33	**CSTD ON TIME:** 1759

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	logs.		
FOAM (other than trace)	none		
SHEEN OR OIL			
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunny, 1-2 ft chop wind 5 knots

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	Page 34 of 36
STATION: C3-2	**TIME:** 1806	
TIDE STAGE: Flood	**DEPTH:** 18.0 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 14.164	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** WAAS	
LONGITUDE (W): 149° 57.891		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 1.1 km NE of drop pt

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	38	38		104						01, 02, 03
MID					105						04
BOTTOM					106						05

QC SAMPLES COLLECTED: Salinity calibration sample

CSTD Seabird: 376	**CAST NO.:** 34	**CSTD ON TIME:** 1806

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	logs in water		
FOAM (other than trace)	none		
SHEEN OR OIL	↓		
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	Page 35 of 36
STATION: C3-3	**TIME:** 1828	
TIDE STAGE: Flood	**DEPTH:** 41.7 Feet Meters Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 15.094	**DGPS?** Circle Y or N	**DGPS REFERENCE STN:** wAK8	
LONGITUDE (W): 149° 54.922		**COORDINATE SYSTEM:** *Nad83*	

STATION LOCATION/DESCRIPTION: 4.4 Km from drop pt. central part of channel

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	39	39		107						
MID					108						
BOTTOM					109						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 35	**CSTD ON TIME:**

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	logs, tree limbs		
FOAM (other than trace)	none		
SHEEN OR OIL	↓		
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Sunny, SW wind 5/knots

KINNETIC LABORATORIES, INC.
HYDROGRAPHIC FIELD LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 36 **of** 36
STATION: C3-4	**TIME:** 1840	
TIDE STAGE: Flood	**DEPTH:** 43.3 Feet (Meters) Fathoms (Circle unit)	

NAVIGATIONAL INFORMATION

LATITUDE (N): 61° 15.966	**DGPS?** Circle (Y) or N	**DGPS REFERENCE STN:** WAAS
LONGITUDE (W): 149° 53.807		**COORDINATE SYSTEM:** *Nad83*

STATION LOCATION/DESCRIPTION: 6.0 Km from drop, mid channel.

SAMPLE COLLECTION INFORMATION (Record suffix of SAMPID for each sample collected.)

DEPTH	ANALYSIS TYPE										
	TRC	FECAL	COLOR	DO	TURB/ pH	EPA 602	PAH	TSS	METALS	CYANIDE	SAL (QC)
SURFACE	✓	40	40		110						
MID					111						
BOTTOM					112						

QC SAMPLES COLLECTED: none

CSTD Seabird: 376	**CAST NO.:** 36	**CSTD ON TIME:** 1840

STANDARD OBSERVATIONS

PARAMETER	TYPE	SOURCE	EXTENT OR NUMBER
FLOATING MATERIAL	logs.		
FOAM (other than trace)	none		
SHEEN OR OIL	↓		
ODOR			
RECREATION			
WILDLIFE			

WEATHER INFORMATION/COMMENTS: Same

KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 1 **of** 9
RELEASE POINT: E1	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
0715		61° 12.343	150° 01.267'	X	At Outfall E1-1
0729		12.240	01.671		
0737		12.149	01.884		E1-2 ZID
0746		11.988	02.134		
0753		11.828	02.285		E1-3
0803		11.575	02.487		
0812		11.379	02.842		
0817		11.315	03.034		E1-4
0830		11.128	03.535		
0842		10.947	03.962		picked up

Reviewed By: Marc A Sara Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

C:\Projects\MOA\Moa08\Field_08_Tim\LOGS\DROGUELOG08.wpd

KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 2 **of** 5
RELEASE POINT: E2	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
0855		61° 12.347	150° 01.286	*	E2-1
0901		12.274	01.999		E2-2
0905		12.125	02.483		
0908		12.028	02.731		E2-3
0917		11.805	03.279		
0924		11.639	03.639		E2-4
0941		11.321	04.300		
0955		11.096	04.848		
1003		10.982	05.244		
1011		10.876	05.678		
1020		10.798	06.245		
1028		10.754	06.700		picked drogue

Reviewed By: Marc Anon Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 3 **of** 4
RELEASE POINT: E3	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1053		61° 12.342	150° 01.285	*	E3-1
1058		12.310	01.714	|	
1102		12.265	01.990	|	E3-2
1110		12.149	02.435	|	
1114		12.094	02.617	|	E3-3
1135		11.675	03.649	|	
1140		11.572	03.877	|	E3-4
1152		11.311	04.603	|	
1200		11.163	05.167	|	
1213		10.888	06.144	|	
1224		10.784	06.978	|	
1235		10.768	07.848	↓	picked drogue

Reviewed By: Mark a Brown Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 4 **of** 9
RELEASE POINT: outfall	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION

STATION: F1	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1415		61° 12.356	150° 01.295	*	F1-1 outfall
1425		12.402	01.252		
1431		12.422	01.093		
1444		12.424	00.564		F1-2
1455		12.369	149° 59.962		
1500		12.346	59.812		F1-3
1515		12.263	59.099		F1-4
1530		12.224	58.605		
1535		12.221	58.429		
1542		12.215	58.253		end picked up

Reviewed By: [signature] Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 5 **of** 9
RELEASE POINT: F2	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1557		61 12.348	150° 01.280	*	F2-1 outfall
1604		12.537	00.651		F2-2 ZID
1614		12.588	149° 59.909		F2-3
1622		12.571	59.596		
1634		12.510	59.144		F2-4
1644		12.483	58.870		
1650		12.472	58.811		
1658		12.461	58.758		
1707		12.437	58.714		Picked drogue

Reviewed By: Mona Sam Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/17/08	**Page** 6 **of** 9
RELEASE POINT: F3	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1714		61° 12.348	150° 01.284	*	F3-1
1718		12.494	00.873		
1722		12.541	00.681		F3-2
1730		12.671	00.047		F3-3
1742		12.813	149 59.155		
1750		12.862	58.596		F3-4
1801		12.955	57.843		
1811		13.017	57.251		
1823		13.115	56.579		picked drogue

Reviewed By: [illegible] Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 7 **of** 9
RELEASE POINT: Control C1	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1453		61° 13.952	149° 59.126	*	C1-1
1512		14.009	59.016		C1-2
15:29		14.179	58.481		
1545		14.443	58.100		C1-3
1556		14.600	57.940		
1613		14.778	57.590		C1-4
1621		14.844	57.470		picked up

Reviewed By: [signature] Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

C:\Projects\MOA\Moa08\Field_08_Tim\LOGS\DROGUELOG08.wpd

KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 8 **of** 5
RELEASE POINT: C2	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1634		61° 13.947	149° 59.089	*	C2-1
1644		14.361	57.838	↓	C2-2
1650		14.585	57.382	↓	
1658		14.875	56.610	↓	C2-3
1704		14.958	56.230	↓	
1714		15.056	55.679	↓	C2-4
1721		15.170	55.322	↓	
1740		15.406	55.274	↓	picked drogue

Reviewed By: [signature] Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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KINNETIC LABORATORIES, INC.
DROGUE TRACKING LOG

STUDY: *Pt. Woronzof NPDES 2008*	**DATE:** 6/18/08	**Page** 9 **of** 9
RELEASE POINT: C3	**NUMBER RELEASED:** 1	

DGPS REFERENCE STATION INFORMATION	
STATION: WAAS	**COORDINATE SYSTEM:** *Nad83*
LATITUDE (N):	**LONGITUDE (W):**

TIME	DROGUE NO.	LATITUDE (N)	LONGITUDE (W)	DGPS*	COMMENTS
1758		61° 13.950	149° 59.092	*	C3-1
1806		14.164	57.891		C3-2
1813		14.535	56.841		
1828		15.094	54.922		C3-3
1836		15.695	54.026		
1840		15.966	53.807		C3-4
1849		16.564	53.580		
1900		17.387	53.373		picked up

Reviewed By: [signature] Date: 10/13/08

Record Y or N for differential fix in DGPS column.
Minus sign (-) indicates end of observation set

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