SEVERN TRENT STL

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ANALYTICAL REPORT

URENCO Project

Lot #: D3J160213

Purchase Order 018511-0403003

John Shaw

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Spartanburg, SC 29304

STL DENVER

Gail DeRuzzo
Project Manager

November 19, 2003

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Standard Deliverables

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Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on October 16, 2003. The results included in this report have been reviewed for compliance with STL Denver's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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Quality Control Summary for Lot D3J160213

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 2.7, 3.4, and 2.8° C.
- The Trip Blank was received but not listed on the chain of custody. It was logged for volatile organic analysis.
- Triplicate volume was received for sample LES MW2. After discussion with the client, matrix QC was selected for the sample for all parameters that apply.
- Total and Fecal Coliform were collected a day later than all other parameters in order to allow sufficient time to meet the holding time for these tests.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were met.

Method Blanks

- The analytes Methylene chloride Method 8260B and Aluminum and Copper Method 6010B were detected in the Method Blanks below the established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. In addition the sample result for Aluminum is greater than ten times the method blank value.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- The Laboratory Control Sample recovery for Aroclor 1260 by Method 8082 was above the upper control limit. The associated sample result is still considered valid because no target analytes were detected by Method 8082.

- The Laboratory Control Sample (LCS) recoveries were below the lower control limits for Diazinon, Ethyl parathion, Malathion, Methyl parathion, and Phorate by Method 8141A. The relative percent differences for these analytes were also outside control limits. The surrogate recovery for Chlormefos in the LCS was also outside control limits. The LCSD recoveries were in control and the MS/MSD recoveries for sample LES MW2 and another sample in the QC batch were all in control. This suggests that the method was in control and that there may have been problems with the preparation of the LCS only.

- All other Laboratory Control Samples were within established control limits.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

- The Matrix Spike and Matrix Spike Duplicate recoveries were outside control limits for Fluoride Method 300.0A on sample LES MW2. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, these anomalies may be due to matrix interference.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Sulfate on sample LES MW2 are estimated.

- All other MS and MSD samples were within established control limits.

Organics

- The Continuing Calibration Verification (CCV) standards for 4,4'-DDD, Endosulfan II, Hepatchlor, Endrin aldehyde, and Endrin by Method 8081A exceeded the percent difference limits. However, the overall mean percent difference is within control limits, therefore, the CCV is also in control and no corrective action was necessary.

- The Continuing Calibration Verification (CCV) standards for TEPT, Demeton-S, Dimethoate, Merphos, and Naled by Method 8141A exceeded the percent difference limits. However, the overall mean percent difference is within control limits, therefore, the CCV is also in control and no corrective action was necessary. Additionally, the associated sample was non-detect.

EXECUTIVE SUMMARY - Detection Highlights

D3J160213

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
L.E.S. MW2 10/14/03 16:20 001				
4,4'-DDD	0.22	0.050	ug/L	SW846 8081A
Aluminum	480 J	100	ug/L	SW846 6010B
Barium	21	10	ug/L	SW846 6010B
Boron	1600	100	ug/L	SW846 6010B
Chromium	43	10	ug/L	SW846 6010B
Copper	8.6 B,J	10	ug/L	SW846 6010B
Iron	510	100	ug/L	SW846 6010B
Manganese	1000	10	ug/L	SW846 6010B
Molybdenum	40	20	ug/L	SW846 6010B
Nickel	34 B	40	ug/L	SW846 6010B
Zinc	16 B	20	ug/L	SW846 6010B
Acetone	2.8 J	10	ug/L	SW846 8260B
Methylene chloride	0.39 J,B	5.0	ug/L	SW846 8260B
Specific Conductance	6800	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	2500 Q	20	mg/L	MCAWW 160.1
Total Suspended Solids	6.2	4.0	mg/L	MCAWW 160.2
Chloride	1600 Q	300	mg/L	MCAWW 300.0A
Sulfate	2200 Q	500	mg/L	MCAWW 300.0A
Chemical Oxygen Demand (COD)	12 B	20	mg/L	MCAWW 410.4
TRIP BLANK 10/15/03 003				
Acetone	4.1 J	10	ug/L	SW846 8260B
Methylene chloride	0.61 J,B	5.0	ug/L	SW846 8260B

METHODS SUMMARY

D3J160213

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
F. Coliform (Enumeration)	SM18 9222D Feca	SM18 9222D
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Organochlorine Pesticides	SW846 8081A	SW846 3510C
Organophosphorous Compounds by GC	SW846 8141A	SW846 3510
PCBs by SW-846 8082	SW846 8082	SW846 3510C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
T. Coliform (Enemeration)	SM18 9222B	SM18 9222B
Total Cyanide	MCAWW 335.3	MCAWW 335.3
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

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

D3J160213

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Nicole Dean	008504
MCAWW 160.1	Mark Angerhofer	005823
MCAWW 160.2	Claire Likar	004382
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 335.3	Ewa Kudla	001167
MCAWW 410.4	Nicole Dean	008504
SM18 9222B	Claire Likar	004382
SM18 9222D Fecal	Claire Likar	004382
SW846 6010B	Kristen Roda	005692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8081A	Sonya Dacar	011595
SW846 8082	Sonya Dacar	011595
SW846 8141A	Steve Szocik	002410
SW846 8260B	Greg Meier	006004
SW846 8270C	David Kidd	007536

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.

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

SAMPLE SUMMARY

D3J160213

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F2NR9	001	L.E.S. MW2	10/14/03	16:20
F2NT3	002	L.E.S. MW2	10/15/03	17:40
F2NT6	003	TRIP BLANK	10/15/03	

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.

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Volatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91A9 Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/27/03 Analysis Date..: 10/27/03
Prep Batch #...: 3302592 Analysis Time..: 13:08
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	2.8 J	10	ug/L	2.5
Benzene	ND	1.0	ug/L	0.17
Bromodichloromethane	ND	1.0	ug/L	0.20
Bromoform	ND	1.0	ug/L	0.23
Bromomethane	ND	2.0	ug/L	0.22
2-Butanone (MEK)	ND	5.0	ug/L	2.0
Carbon tetrachloride	ND	1.0	ug/L	0.20
Chlorobenzene	ND	1.0	ug/L	0.13
Chloroethane	ND	2.0	ug/L	0.18
Chloroform	ND	1.0	ug/L	0.17
Chloromethane	ND	2.0	ug/L	0.91
Dibromomethane	ND	1.0	ug/L	0.31
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
1,2-Dichlorobenzene	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
Dichlorodifluoromethane	ND	2.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.24
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.20
Ethylbenzene	ND	1.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	1.7
Methylene chloride	0.39 J,B	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	5.0	ug/L	0.98
Styrene	ND	1.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.21
Tetrachloroethene	ND	1.0	ug/L	0.26
Toluene	ND	1.0	ug/L	0.15
1,2,4-Trichlorobenzene	ND	1.0	ug/L	0.21

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LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Volatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91A9 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.24
1,2,3-Trichloropropane	ND	1.0	ug/L	0.33
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	2.0	ug/L	0.41
n-Butylbenzene	ND	1.0	ug/L	0.21
sec-Butylbenzene	ND	1.0	ug/L	0.23
Isopropylbenzene	ND	1.0	ug/L	0.17
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.15
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
n-Propylbenzene	ND	1.0	ug/L	0.17
tert-Butylbenzene	ND	1.0	ug/L	0.17
Dibromochloromethane	ND	1.0	ug/L	0.19
2-Chlorotoluene	ND	1.0	ug/L	0.17
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.47
1,3-Dichloropropane	ND	1.0	ug/L	0.22
2,2-Dichloropropane	ND	5.0	ug/L	0.18
1,1-Dichloropropene	ND	1.0	ug/L	0.19
Hexachlorobutadiene	ND	1.0	ug/L	0.18
4-Isopropyltoluene	ND	1.0	ug/L	0.20
Methyl tert-butyl ether	ND	5.0	ug/L	0.38
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.21
m-Xylene & p-Xylene	ND	2.0	ug/L	0.27
o-Xylene	ND	1.0	ug/L	0.15
Bromobenzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	1.0	ug/L	0.27
Naphthalene	ND	1.0	ug/L	0.50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	78	(76 - 116)
1,2-Dichloroethane-d4	78	(59 - 129)
4-Bromofluorobenzene	96	(74 - 114)
Toluene-d8	94	(76 - 116)

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.

LOCKWOOD GREENE

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D3J160213-003 Work Order #...: F2NT61AA Matrix.....: WATER
Date Sampled...: 10/15/03 Date Received..: 10/16/03
Prep Date.....: 10/27/03 Analysis Date..: 10/27/03
Prep Batch #...: 3302592 Analysis Time..: 14:23
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	4.1 J	10	ug/L	2.5
Benzene	ND	1.0	ug/L	0.17
Bromodichloromethane	ND	1.0	ug/L	0.20
Bromoform	ND	1.0	ug/L	0.23
Bromomethane	ND	2.0	ug/L	0.22
2-Butanone (MEK)	ND	5.0	ug/L	2.0
Carbon tetrachloride	ND	1.0	ug/L	0.20
Chlorobenzene	ND	1.0	ug/L	0.13
Chloroethane	ND	2.0	ug/L	0.18
Chloroform	ND	1.0	ug/L	0.17
Chloromethane	ND	2.0	ug/L	0.91
Dibromomethane	ND	1.0	ug/L	0.31
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
1,2-Dichlorobenzene	ND	1.0	ug/L	0.15
1,3-Dichlorobenzene	ND	1.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
Dichlorodifluoromethane	ND	2.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.24
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.14
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.20
Ethylbenzene	ND	1.0	ug/L	0.12
2-Hexanone	ND	5.0	ug/L	1.7
Methylene chloride	0.61 J,B	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	5.0	ug/L	0.98
Styrene	ND	1.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.21
Tetrachloroethene	ND	1.0	ug/L	0.26
Toluene	ND	1.0	ug/L	0.15
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.21

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LOCKWOOD GREENE

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D3J160213-003 Work Order #...: F2NT61AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16
1,1,2-Trichloroethane	ND	1.0	ug/L	0.27
Trichloroethene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	2.0	ug/L	0.24
1,2,3-Trichloropropane	ND	1.0	ug/L	0.33
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	2.0	ug/L	0.41
n-Butylbenzene	ND	1.0	ug/L	0.21
sec-Butylbenzene	ND	1.0	ug/L	0.23
Isopropylbenzene	ND	1.0	ug/L	0.17
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.15
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
n-Propylbenzene	ND	1.0	ug/L	0.17
tert-Butylbenzene	ND	1.0	ug/L	0.17
Dibromochloromethane	ND	1.0	ug/L	0.19
2-Chlorotoluene	ND	1.0	ug/L	0.17
4-Chlorotoluene	ND	1.0	ug/L	0.21
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	0.47
1,3-Dichloropropane	ND	1.0	ug/L	0.22
2,2-Dichloropropane	ND	5.0	ug/L	0.18
1,1-Dichloropropene	ND	1.0	ug/L	0.19
Hexachlorobutadiene	ND	1.0	ug/L	0.18
4-Isopropyltoluene	ND	1.0	ug/L	0.20
Methyl tert-butyl ether	ND	5.0	ug/L	0.38
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.21
m-Xylene & p-Xylene	ND	2.0	ug/L	0.27
o-Xylene	ND	1.0	ug/L	0.15
Bromobenzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	1.0	ug/L	0.27
Naphthalene	ND	1.0	ug/L	0.50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 116)
1,2-Dichloroethane-d4	103	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	90	(76 - 116)

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.

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CA Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 11/15/03
Prep Batch #...: 3293438 Analysis Time..: 19:41
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	1.0
4-Aminobiphenyl	ND	50	ug/L	1.0
Aniline	ND	10	ug/L	4.0
Anthracene	ND	10	ug/L	3.0
Aramite	ND	20	ug/L	2.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
1,2-Dichlorobenzene	ND	10	ug/L	0.80
1,3-Dichlorobenzene	ND	10	ug/L	0.80
1,4-Dichlorobenzene	ND	10	ug/L	1.0

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LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	2.0
3,3'-Dimethylbenzidine	ND	20	ug/L	10
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	1.0
Disulfoton	ND	50	ug/L	6.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	3.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	2.0
Methapyrilene	ND	50	ug/L	30
3-Methylcholanthrene	ND	20	ug/L	3.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	2.0

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
4-Nitroquinoline-1-oxide	ND	100	ug/L	50
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propylamine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosomorpholine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	1.0
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloroethane	ND	50	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	1.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
Phorate	ND	50	ug/L	1.0
2-Picoline	ND	20	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Pyrene	ND	10	ug/L	0.80
Pyridine	ND	20	ug/L	10
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	5.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichlorobenzene	ND	10	ug/L	0.90
2,4,5-Trichlorophenol	ND	10	ug/L	1.0
2,4,6-Trichlorophenol	ND	10	ug/L	0.80

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC/MS Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
O,O,O-Triethylphosphorothioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(32 - 116)
Phenol-d5	75	(40 - 111)
Nitrobenzene-d5	84	(53 - 107)
2-Fluorobiphenyl	64	(31 - 105)
2,4,6-Tribromophenol	97	(42 - 122)
Terphenyl-d14	86	(21 - 125)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CD Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293260 Analysis Time..: 16:54
Dilution Factor: 1
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0070
alpha-BHC	ND	0.050	ug/L	0.010
beta-BHC	ND	0.050	ug/L	0.010
delta-BHC	ND	0.050	ug/L	0.010
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0080
Chlordane (technical)	ND	0.50	ug/L	0.060
4,4'-DDD	**0.22**	**0.050**	**ug/L**	**0.010**
4,4'-DDE	ND	0.050	ug/L	0.010
4,4'-DDT	ND	0.050	ug/L	0.010
Dieldrin	ND	0.050	ug/L	0.0090
Endrin	ND	0.050	ug/L	0.020
Endrin aldehyde	ND	0.050	ug/L	0.010
Endosulfan I	ND	0.050	ug/L	0.020
Endosulfan II	ND	0.050	ug/L	0.010
Endosulfan sulfate	ND	0.050	ug/L	0.010
Heptachlor	ND	0.050	ug/L	0.010
Heptachlor epoxide	ND	0.050	ug/L	0.010
Methoxychlor	ND	0.10	ug/L	0.020
Toxaphene	ND	5.0	ug/L	0.50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	109	(29 - 125)
Tetrachloro-m-xylene	97	(40 - 115)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CC Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293236 Analysis Time..: 22:13
Dilution Factor: 1
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.15
Aroclor 1221	ND	1.0	ug/L	0.25
Aroclor 1232	ND	1.0	ug/L	0.14
Aroclor 1242	ND	1.0	ug/L	0.14
Aroclor 1248	ND	1.0	ug/L	0.15
Aroclor 1254	ND	1.0	ug/L	0.22
Aroclor 1260	ND	1.0	ug/L	0.16

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(52 - 160)
Decachlorobiphenyl	114	(37 - 144)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

GC Semivolatiles

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR91CE Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/21/03 Analysis Date..: 11/05/03
Prep Batch #...: 3294207 Analysis Time..: 13:36
Dilution Factor: 1
Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.14
Bolstar	ND	0.50	ug/L	0.14
Chlorpyrifos	ND	0.50	ug/L	0.054
Coumaphos	ND	0.50	ug/L	0.079
Demeton (total)	ND	1.0	ug/L	0.19
Diazinon	ND	0.50	ug/L	0.039
Dichlorvos	ND	0.50	ug/L	0.13
Dimethoate	ND	0.50	ug/L	0.18
Disulfoton	ND	0.50	ug/L	0.057
Ethoprop	ND	0.50	ug/L	0.056
Ethyl parathion	ND	0.50	ug/L	0.040
Famphur	ND	1.0	ug/L	0.054
Fensulfothion	ND	2.5	ug/L	0.22
Fenthion	ND	0.50	ug/L	0.061
Malathion	ND	1.2	ug/L	0.050
Merphos	ND	5.0	ug/L	0.063
Methyl parathion	ND	0.50	ug/L	0.061
Mevinphos	ND	6.2	ug/L	0.16
Naled	ND	10	ug/L	0.22
O,O,O-Triethylphosphoro-thioate	ND	0.50	ug/L	0.15
Phorate	ND	0.50	ug/L	0.075
Ronnel	ND	10	ug/L	0.11
Sulfotepp	ND	0.50	ug/L	0.030
Thionazin	ND	0.50	ug/L	0.059
Tokuthion	ND	0.50	ug/L	0.071
Trichloronate	ND	0.50	ug/L	0.057
EPN	ND	0.50	ug/L	0.050
Demeton-O	ND	1.0	ug/L	0.19
Demeton-S	ND	1.0	ug/L	0.19
Tetrachlorvinphos (Stirophos)	ND	2.5	ug/L	0.056

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	77	(49 - 105)
Ethyl Pirimifos	68	(20 - 121)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

TOTAL Metals

Lot-Sample #...: D3J160213-001 Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 3290479						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/03	F2NR91A8
		Dilution Factor: 1		Analysis Time..: 13:27	MDL.....: 0.054	
Prep Batch #...: 3291152						
Silver	ND	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AL
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.70	
Aluminum	480 J	100	ug/L	SW846 6010B	10/23-10/24/03	F2NR91AM
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 20	
Arsenic	ND	15	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AN
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 4.9	
Barium	21	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AP
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.37	
Beryllium	ND	5.0	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AQ
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.41	
Boron	1600	100	ug/L	SW846 6010B	10/23-10/24/03	F2NR91AR
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 8.3	
Cadmium	ND	5.0	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AT
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AU
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.67	
Chromium	43	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AV
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 2.1	
Copper	8.6 B,J	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91AW
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.97	
Iron	510	100	ug/L	SW846 6010B	10/23-10/24/03	F2NR91AX
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 19	
Manganese	1000	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A0
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.54	

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

TOTAL Metals

Lot-Sample #...: D3J160213-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	40	20	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A1
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 2.3	
Nickel	34 B	40	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A2
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A3
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A4
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 3.6	
Selenium	ND	15	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A5
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 4.6	
Thallium	ND	10	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A6
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 8.1	
Zinc	16 B	20	ug/L	SW846 6010B	10/23-10/25/03	F2NR91A7
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 7.1	

NOTE(S):

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

B Estimated result. Result is less than RL.

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

General Chemistry

Lot-Sample #...: D3J160213-001 Work Order #...: F2NR9 Matrix.....: WATER
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	12 B	20	mg/L	MCAWW 410.4	10/21/03	3296361
	Dilution Factor: 1			Analysis Time..: 16:45	MDL.....: 2.9	
Chloride	1600 Q	300	mg/L	MCAWW 300.0A	10/16/03	3290566
	Dilution Factor: 100			Analysis Time..: 17:55	MDL.....: 20	
Fluoride	ND G	5.0	mg/L	MCAWW 300.0A	10/16/03	3290569
	Dilution Factor: 5			Analysis Time..: 16:29	MDL.....: 0.50	
Nitrate	ND G	2.5	mg/L	MCAWW 300.0A	10/16/03	3290567
	Dilution Factor: 5			Analysis Time..: 16:29	MDL.....: 0.25	
Nitrite	ND G	10	mg/L	MCAWW 300.0A	10/16/03	3290570
	Dilution Factor: 20			Analysis Time..: 17:01	MDL.....: 1.0	
Specific Conductance	6800	2.0	umhos/cm	MCAWW 120.1	10/17/03	3293257
	Dilution Factor: 1			Analysis Time..: 16:00	MDL.....	
Sulfate	2200 Q	500	mg/L	MCAWW 300.0A	10/16/03	3290568
	Dilution Factor: 100			Analysis Time..: 17:55	MDL.....: 20	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	10/22-10/23/03	3296416
	Dilution Factor: 1			Analysis Time..: 13:00	MDL.....: 0.0039	
Total Dissolved Solids	2500 Q	20	mg/L	MCAWW 160.1	10/20/03	3303251
	Dilution Factor: 2			Analysis Time..: 17:00	MDL.....: 6.0	
Total Suspended Solids	6.2	4.0	mg/L	MCAWW 160.2	10/20/03	3294676
	Dilution Factor: 1			Analysis Time..: 20:45	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

LOCKWOOD GREENE

Client Sample ID: L.E.S. MW2

General Chemistry

Lot-Sample #...: D3J160213-002 Work Order #...: F2NT3 Matrix.....: WATER
Date Sampled...: 10/15/03 17:40 Date Received..: 10/16/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Fecal Coliform	ND	1.0	CFU/100m	SM18 9222D Fecal	10/16/03	3301603
		Dilution Factor: 1		Analysis Time..: 14:30	MDL.....:	
Total Coliform	ND	1.0	CFU/100m	SM18 9222B	10/16/03	3301601
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	

QC DATA ASSOCIATION SUMMARY

D3J160213

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		3293257	3293166
	WATER	MCAWW 160.1		3303251	3304079
	WATER	MCAWW 160.2		3294676	3294343
	WATER	MCAWW 300.0A		3290566	3300278
	WATER	MCAWW 300.0A		3290568	3300288
	WATER	MCAWW 300.0A		3290569	3300275
	WATER	MCAWW 300.0A		3290567	3300283
	WATER	MCAWW 300.0A		3290570	3300282
	WATER	SW846 7470A		3290479	3290257
	WATER	SW846 8141A		3294207	3294054
	WATER	SW846 8082		3293236	3293106
	WATER	SW846 8081A		3293260	3293130
	WATER	SW846 8260B		3302592	3304292
	WATER	SW846 8270C		3293438	3293249
	WATER	SW846 6010B		3291152	3291050
	WATER	MCAWW 335.3		3296416	3296234
	WATER	MCAWW 410.4		3296361	3296259
002	WATER	SM18 9222D Fecal		3301603	3301311
	WATER	SM18 9222B		3301601	3301310
003	WATER	SW846 8260B		3302592	3304292

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D3J160213 Work Order #...: F3PE71AA Matrix.....: WATER
MB Lot-Sample #: D3J290000-592

Prep Date.....: 10/27/03 Analysis Time..: 12:43
Analysis Date..: 10/27/03 Prep Batch #...: 3302592
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Methylene chloride	**0.65 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D3J160213 Work Order #...: F3PE71AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
4-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	99	(59 - 129)
4-Bromofluorobenzene	98	(74 - 114)
Toluene-d8	88	(76 - 116)

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 #...: D3J160213 Work Order #...: F3PE71AC Matrix.....: WATER
LCS Lot-Sample#: D3J290000-592
Prep Date.....: 10/27/03 Analysis Date..: 10/27/03
Prep Batch #...: 3302592 Analysis Time..: 12:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**85**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**88**	**(77 - 117)**	**SW846 8260B**
1,1-Dichloroethene	**90**	**(67 - 125)**	**SW846 8260B**
Toluene	**85**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**92**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	98	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	92	(76 - 116)

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 #...: D3J160213 Work Order #...: F3PE71AC Matrix.....: WATER
LCS Lot-Sample#: D3J290000-592
Prep Date.....: 10/27/03 Analysis Date..: 10/27/03
Prep Batch #...: 3302592 Analysis Time..: 12:18
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**8.53**	**ug/L**	**85**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.77**	**ug/L**	**88**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**8.96**	**ug/L**	**90**	**SW846 8260B**
Toluene	**10.0**	**8.46**	**ug/L**	**85**	**SW846 8260B**
Trichloroethene	**10.0**	**9.20**	**ug/L**	**92**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	98	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	92	(76 - 116)

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 #...: D3J160213 **Work Order #...:** F2NR91C4-MS **Matrix.....:** WATER
MS Lot-Sample #: D3J160213-001 F2NR91C5-MSD
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03
Prep Date.....: 10/27/03 **Analysis Date..:** 10/27/03
Prep Batch #...: 3302592 **Analysis Time..:** 13:33
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**85**	**(75 - 116)**			**SW846 8260B**
	87	**(75 - 116)**	**2.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**87**	**(77 - 117)**			**SW846 8260B**
	89	**(77 - 117)**	**3.0**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(67 - 125)**			**SW846 8260B**
	94	**(67 - 125)**	**1.0**	**(0-20)**	**SW846 8260B**
Toluene	**83**	**(74 - 115)**			**SW846 8260B**
	86	**(74 - 115)**	**4.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(80 - 123)**			**SW846 8260B**
	97	**(80 - 123)**	**4.0**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
	91	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
	103	(59 - 129)
4-Bromofluorobenzene	99	(74 - 114)
	102	(74 - 114)
Toluene-d8	92	(76 - 116)
	89	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D3J160213 **Work Order #...:** F2NR91C4-MS **Matrix.....:** WATER
MS Lot-Sample #: D3J160213-001 F2NR91C5-MSD
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03
Prep Date.....: 10/27/03 **Analysis Date..:** 10/27/03
Prep Batch #...: 3302592 **Analysis Time..:** 13:33
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	10.0	8.51	ug/L	85		SW846 8260B
	ND	10.0	8.73	ug/L	87	2.5	SW846 8260B
Chlorobenzene	ND	10.0	8.68	ug/L	87		SW846 8260B
	ND	10.0	8.94	ug/L	89	3.0	SW846 8260B
1,1-Dichloroethene	ND	10.0	9.28	ug/L	93		SW846 8260B
	ND	10.0	9.38	ug/L	94	1.0	SW846 8260B
Toluene	ND	10.0	8.26	ug/L	83		SW846 8260B
	ND	10.0	8.61	ug/L	86	4.2	SW846 8260B
Trichloroethene	ND	10.0	9.29	ug/L	93		SW846 8260B
	ND	10.0	9.67	ug/L	97	4.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
	91	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
	103	(59 - 129)
4-Bromofluorobenzene	99	(74 - 114)
	102	(74 - 114)
Toluene-d8	92	(76 - 116)
	89	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F201F1AA Matrix.....: WATER
MB Lot-Sample #: D3J200000-438

Prep Date.....: 10/20/03 Analysis Time..: 11:24
Analysis Date..: 11/15/03 Prep Batch #...: 3293438
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Aramite	ND	20	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F201F1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F201F1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphorothioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F201F1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(32 - 116)
Phenol-d5	75	(40 - 111)
Nitrobenzene-d5	76	(53 - 107)
2-Fluorobiphenyl	69	(31 - 105)
2,4,6-Tribromophenol	87	(42 - 122)
Terphenyl-d14	85	(21 - 125)

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 #...: D3J160213 Work Order #...: F201F1AC Matrix.....: WATER
LCS Lot-Sample#: D3J200000-438
Prep Date.....: 10/20/03 Analysis Date..: 11/15/03
Prep Batch #...: 3293438 Analysis Time..: 11:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**74**	**(55 - 97)**	**SW846 8270C**
4-Chloro-3-methylphenol	**84**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**71**	**(59 - 105)**	**SW846 8270C**
1,4-Dichlorobenzene	**54**	**(31 - 98)**	**SW846 8270C**
2,4-Dinitrotoluene	**83**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**92**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**81**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**84**	**(48 - 114)**	**SW846 8270C**
Phenol	**71**	**(56 - 106)**	**SW846 8270C**
Pyrene	**82**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**58**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(54 - 105)
Phenol-d5	75	(55 - 106)
Nitrobenzene-d5	80	(58 - 108)
2-Fluorobiphenyl	73	(53 - 97)
2,4,6-Tribromophenol	97	(62 - 113)
Terphenyl-d14	87	(55 - 109)

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 #...: D3J160213 Work Order #...: F201F1AC Matrix.....: WATER
LCS Lot-Sample#: D3J200000-438
Prep Date.....: 10/20/03 Analysis Date..: 11/15/03
Prep Batch #...: 3293438 Analysis Time..: 11:49
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**73.9**	**ug/L**	**74**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**127**	**ug/L**	**84**	**SW846 8270C**
2-Chlorophenol	**150**	**106**	**ug/L**	**71**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**54.2**	**ug/L**	**54**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**82.8**	**ug/L**	**83**	**SW846 8270C**
4-Nitrophenol	**150**	**138**	**ug/L**	**92**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**80.8**	**ug/L**	**81**	**SW846 8270C**
Pentachlorophenol	**150**	**126**	**ug/L**	**84**	**SW846 8270C**
Phenol	**150**	**106**	**ug/L**	**71**	**SW846 8270C**
Pyrene	**100**	**82.3**	**ug/L**	**82**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**57.8**	**ug/L**	**58**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(54 - 105)
Phenol-d5	75	(55 - 106)
Nitrobenzene-d5	80	(58 - 108)
2-Fluorobiphenyl	73	(53 - 97)
2,4,6-Tribromophenol	97	(62 - 113)
Terphenyl-d14	87	(55 - 109)

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 #...: D3J160213 Work Order #...: F2NR91D8-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91D9-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 11/15/03
Prep Batch #...: 3293438 Analysis Time..: 20:06
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	72	(50 - 96)			SW846 8270C
	70	(50 - 96)	2.8	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	82	(49 - 102)			SW846 8270C
	83	(49 - 102)	6.3	(0-40)	SW846 8270C
2-Chlorophenol	70	(49 - 98)			SW846 8270C
	71	(49 - 98)	6.5	(0-40)	SW846 8270C
1,4-Dichlorobenzene	57	(41 - 92)			SW846 8270C
	56	(41 - 92)	2.9	(0-30)	SW846 8270C
2,4-Dinitrotoluene	87	(51 - 106)			SW846 8270C
	86	(51 - 106)	3.1	(0-40)	SW846 8270C
4-Nitrophenol	100	(34 - 116)			SW846 8270C
	103	(34 - 116)	7.9	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl-amine	81	(46 - 101)			SW846 8270C
	83	(46 - 101)	7.4	(0-40)	SW846 8270C
Pentachlorophenol	85	(34 - 116)			SW846 8270C
	85	(34 - 116)	5.4	(0-40)	SW846 8270C
Phenol	69	(46 - 98)			SW846 8270C
	69	(46 - 98)	6.0	(0-40)	SW846 8270C
Pyrene	78	(39 - 103)			SW846 8270C
	78	(39 - 103)	5.3	(0-40)	SW846 8270C
1,2,4-Trichloro benzene	61	(46 - 92)			SW846 8270C
	63	(46 - 92)	7.0	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(32 - 116)
	68	(32 - 116)
Phenol-d5	73	(40 - 111)
	73	(40 - 111)
Nitrobenzene-d5	80	(53 - 107)
	83	(53 - 107)
2-Fluorobiphenyl	67	(31 - 105)
	70	(31 - 105)
2,4,6-Tribromophenol	95	(42 - 122)
	92	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 **Work Order #...:** F2NR91D8-MS **Matrix.....:** WATER
MS Lot-Sample #: D3J160213-001 F2NR91D9-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	81	(21 - 125)
	81	(21 - 125)

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 #...: D3J160213 Work Order #...: F2NR91D8-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91D9-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 11/15/03
Prep Batch #...: 3293438 Analysis Time..: 20:06
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	101	72.8	ug/L	72		SW846 8270C
	ND	106	74.9	ug/L	70	2.8	SW846 8270C
4-Chloro-3-methylphenol	ND	152	125	ug/L	82		SW846 8270C
	ND	159	133	ug/L	83	6.3	SW846 8270C
2-Chlorophenol	ND	152	106	ug/L	70		SW846 8270C
	ND	159	113	ug/L	71	6.5	SW846 8270C
1,4-Dichlorobenzene	ND	101	57.8	ug/L	57		SW846 8270C
	ND	106	59.4	ug/L	56	2.9	SW846 8270C
2,4-Dinitrotoluene	ND	101	88.2	ug/L	87		SW846 8270C
	ND	106	91.0	ug/L	86	3.1	SW846 8270C
4-Nitrophenol	ND	152	152	ug/L	100		SW846 8270C
	ND	159	164	ug/L	103	7.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	101	81.5	ug/L	81		SW846 8270C
	ND	106	87.8	ug/L	83	7.4	SW846 8270C
Pentachlorophenol	ND	152	128	ug/L	85		SW846 8270C
	ND	159	135	ug/L	85	5.4	SW846 8270C
Phenol	ND	152	104	ug/L	69		SW846 8270C
	ND	159	111	ug/L	69	6.0	SW846 8270C
Pyrene	ND	101	78.5	ug/L	78		SW846 8270C
	ND	106	82.8	ug/L	78	5.3	SW846 8270C
1,2,4-Trichloro-benzene	ND	101	62.1	ug/L	61		SW846 8270C
	ND	106	66.6	ug/L	63	7.0	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(32 - 116)
	68	(32 - 116)
Phenol-d5	73	(40 - 111)
	73	(40 - 111)
Nitrobenzene-d5	80	(53 - 107)
	83	(53 - 107)
2-Fluorobiphenyl	67	(31 - 105)
	70	(31 - 105)
2,4,6-Tribromophenol	95	(42 - 122)
	92	(42 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F2NR91D8-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91D9-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	81	(21 - 125)
	81	(21 - 125)

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 #...: D3J160213 Work Order #...: F2X701AA Matrix.....: WATER
MB Lot-Sample #: D3J200000-260
Prep Date.....: 10/20/03 Analysis Time..: 17:38
Analysis Date..: 10/28/03 Prep Batch #...: 3293260
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
Chlordane (technical)	ND	0.50	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	5.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(29 - 125)
Tetrachloro-m-xylene	92	(40 - 115)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D3J160213 **Work Order #...:** F2X701AC **Matrix.....:** WATER
LCS Lot-Sample#: D3J200000-260
Prep Date.....: 10/20/03 **Analysis Date..:** 10/28/03
Prep Batch #...: 3293260 **Analysis Time..:** 16:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aldrin	**91**	**(53 - 122)**	**SW846 8081A**
gamma-BHC (Lindane)	**99**	**(72 - 122)**	**SW846 8081A**
4,4'-DDT	**94**	**(66 - 138)**	**SW846 8081A**
Dieldrin	**104**	**(75 - 128)**	**SW846 8081A**
Endrin	**85**	**(64 - 138)**	**SW846 8081A**
Heptachlor	**92**	**(60 - 126)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	106	(65 - 137)
Tetrachloro-m-xylene	80	(40 - 115)

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 #...: D3J160213 Work Order #...: F2X701AC Matrix.....: WATER
LCS Lot-Sample#: D3J200000-260
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293260 Analysis Time..: 16:40
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aldrin	**0.500**	**0.456**	**ug/L**	**91**	**SW846 8081A**
gamma-BHC (Lindane)	**0.500**	**0.493**	**ug/L**	**99**	**SW846 8081A**
4,4'-DDT	**0.500**	**0.470**	**ug/L**	**94**	**SW846 8081A**
Dieldrin	**0.500**	**0.520**	**ug/L**	**104**	**SW846 8081A**
Endrin	**0.500**	**0.426**	**ug/L**	**85**	**SW846 8081A**
Heptachlor	**0.500**	**0.460**	**ug/L**	**92**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	106	(65 - 137)
Tetrachloro-m-xylene	80	(40 - 115)

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 #...:	D3J160213	**Work Order #...:**	F2NR91ED-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	D3J160213-001		F2NR91EE-MSD		
Date Sampled...:	10/14/03 16:20	**Date Received..:**	10/16/03		
Prep Date.....:	10/20/03	**Analysis Date..:**	10/28/03		
Prep Batch #...:	3293260	**Analysis Time..:**	17:09		
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	**98**	**(53 - 125)**			**SW846 8081A**
	90	**(53 - 125)**	**8.9**	**(0-30)**	**SW846 8081A**
gamma-BHC (Lindane)	**103**	**(63 - 128)**			**SW846 8081A**
	93	**(63 - 128)**	**10**	**(0-30)**	**SW846 8081A**
4,4'-DDT	**120**	**(58 - 147)**			**SW846 8081A**
	113	**(58 - 147)**	**7.4**	**(0-30)**	**SW846 8081A**
Dieldrin	**105**	**(75 - 128)**			**SW846 8081A**
	99	**(75 - 128)**	**7.1**	**(0-30)**	**SW846 8081A**
Endrin	**96**	**(64 - 138)**			**SW846 8081A**
	90	**(64 - 138)**	**7.6**	**(0-30)**	**SW846 8081A**
Heptachlor	**101**	**(53 - 133)**			**SW846 8081A**
	90	**(53 - 133)**	**12**	**(0-30)**	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	98	(29 - 125)
	89	(29 - 125)
Tetrachloro-m-xylene	81	(40 - 115)
	100	(40 - 115)

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 #...: D3J160213 Work Order #...: F2NR91ED-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91EE-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293260 Analysis Time..: 17:09
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aldrin	ND	0.476	0.464	ug/L	98		SW846 8081A
	ND	0.473	0.425	ug/L	90	8.9	SW846 8081A
gamma-BHC (Lindane)	ND	0.476	0.490	ug/L	103		SW846 8081A
	ND	0.473	0.442	ug/L	93	10	SW846 8081A
4,4'-DDT	ND	0.476	0.573	ug/L	120		SW846 8081A
	ND	0.473	0.532	ug/L	113	7.4	SW846 8081A
Dieldrin	ND	0.476	0.502	ug/L	105		SW846 8081A
	ND	0.473	0.467	ug/L	99	7.1	SW846 8081A
Endrin	ND	0.476	0.457	ug/L	96		SW846 8081A
	ND	0.473	0.424	ug/L	90	7.6	SW846 8081A
Heptachlor	ND	0.476	0.480	ug/L	101		SW846 8081A
	ND	0.473	0.428	ug/L	90	12	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	98	(29 - 125)
	89	(29 - 125)
Tetrachloro-m-xylene	81	(40 - 115)
	100	(40 - 115)

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 #...: D3J160213 Work Order #...: F2X6D1AA Matrix.....: WATER
MB Lot-Sample #: D3J200000-236

Prep Date.....: 10/20/03 Analysis Time..: 21:29
Analysis Date..: 10/28/03 Prep Batch #...: 3293236
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(52 - 160)
Decachlorobiphenyl	114	(37 - 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 #...: D3J160213 **Work Order #...:** F2X6D1AC **Matrix.....:** WATER
LCS Lot-Sample#: D3J200000-236
Prep Date.....: 10/20/03 **Analysis Date..:** 10/28/03
Prep Batch #...: 3293236 **Analysis Time..:** 21:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**113**	**(56 - 124)**	**SW846 8082**
Aroclor 1260	**126 a**	**(64 - 120)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(52 - 127)
Decachlorobiphenyl	119	(61 - 128)

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 #...: D3J160213 **Work Order #...:** F2X6D1AC **Matrix.....:** WATER
LCS Lot-Sample#: D3J200000-236
Prep Date.....: 10/20/03 **Analysis Date..:** 10/28/03
Prep Batch #...: 3293236 **Analysis Time..:** 21:51
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	**2.00**	**2.26**	**ug/L**	**113**	**SW846 8082**
Aroclor 1260	**2.00**	**2.52 a**	**ug/L**	**126**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(52 - 127)
Decachlorobiphenyl	119	(61 - 128)

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 #...: D3J160213 Work Order #...: F2NR91EA-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91EC-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293236 Analysis Time..: 22:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**109**	**(57 - 135)**			**SW846 8082**
	108	**(57 - 135)**	**0.28**	**(0-30)**	**SW846 8082**
Aroclor 1260	**108**	**(55 - 130)**			**SW846 8082**
	105	**(55 - 130)**	**3.3**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(52 - 160)
	99	(52 - 160)
Decachlorobiphenyl	115	(37 - 144)
	107	(37 - 144)

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 #...: D3J160213 Work Order #...: F2NR91EA-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91EC-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/20/03 Analysis Date..: 10/28/03
Prep Batch #...: 3293236 Analysis Time..: 22:35
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	**ND**	**1.89**	**2.06**	**ug/L**	**109**		**SW846 8082**
	ND	**1.90**	**2.05**	**ug/L**	**108**	**0.28**	**SW846 8082**
Aroclor 1260	**ND**	**1.89**	**2.05**	**ug/L**	**108**		**SW846 8082**
	ND	**1.90**	**1.99**	**ug/L**	**105**	**3.3**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(52 - 160)
	99	(52 - 160)
Decachlorobiphenyl	115	(37 - 144)
	107	(37 - 144)

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 #...: D3J160213 Work Order #...: F22GQ1AA Matrix.....: WATER
MB Lot-Sample #: D3J210000-207

Prep Date.....: 10/21/03 Analysis Time..: 11:57
Analysis Date..: 11/05/03 Prep Batch #...: 3294207
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	2.5	ug/L	SW846 8141A
Bolstar	ND	0.50	ug/L	SW846 8141A
Chlorpyrifos	ND	0.50	ug/L	SW846 8141A
Coumaphos	ND	0.50	ug/L	SW846 8141A
Demeton (total)	ND	1.0	ug/L	SW846 8141A
Diazinon	ND	0.50	ug/L	SW846 8141A
Dichlorvos	ND	0.50	ug/L	SW846 8141A
Dimethoate	ND	0.50	ug/L	SW846 8141A
Disulfoton	ND	0.50	ug/L	SW846 8141A
Ethoprop	ND	0.50	ug/L	SW846 8141A
Ethyl parathion	ND	0.50	ug/L	SW846 8141A
Famphur	ND	1.0	ug/L	SW846 8141A
Fensulfothion	ND	2.5	ug/L	SW846 8141A
Fenthion	ND	0.50	ug/L	SW846 8141A
Malathion	ND	1.2	ug/L	SW846 8141A
Merphos	ND	5.0	ug/L	SW846 8141A
Methyl parathion	ND	0.50	ug/L	SW846 8141A
Mevinphos	ND	6.2	ug/L	SW846 8141A
Naled	ND	10	ug/L	SW846 8141A
O,O,O-Triethylphosphoro-thioate	ND	0.50	ug/L	SW846 8141A
Phorate	ND	0.50	ug/L	SW846 8141A
Ronnel	ND	10	ug/L	SW846 8141A
Sulfotepp	ND	0.50	ug/L	SW846 8141A
Thionazin	ND	0.50	ug/L	SW846 8141A
Tokuthion	ND	0.50	ug/L	SW846 8141A
Trichloronate	ND	0.50	ug/L	SW846 8141A
EPN	ND	0.50	ug/L	SW846 8141A
Demeton-O	ND	1.0	ug/L	SW846 8141A
Demeton-S	ND	1.0	ug/L	SW846 8141A
Tetrachlorvinphos (Stirop	ND	2.5	ug/L	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	76	(49 - 105)
Ethyl Pirimifos	30	(20 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F22GQ1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D3J210000-207 F22GQ1AD-LCSD
Prep Date.....: 10/21/03 Analysis Date..: 11/05/03
Prep Batch #...: 3294207 Analysis Time..: 12:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	32	(20 - 107)			SW846 8141A
	88 p	(20 - 107)	94	(0-40)	SW846 8141A
Diazinon	42 a	(58 - 108)			SW846 8141A
	82 p	(58 - 108)	65	(0-40)	SW846 8141A
Ethyl parathion	36 a	(62 - 118)			SW846 8141A
	73 p	(62 - 118)	68	(0-40)	SW846 8141A
Malathion	30 a	(33 - 109)			SW846 8141A
	63 p	(33 - 109)	71	(0-40)	SW846 8141A
Methyl parathion	40 a	(50 - 127)			SW846 8141A
	80 p	(50 - 127)	65	(0-40)	SW846 8141A
Phorate	42 a	(54 - 101)			SW846 8141A
	85 p	(54 - 101)	67	(0-40)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	44 *	(49 - 105)
	81	(49 - 105)
Ethyl Pirimifos	30	(20 - 121)
	90	(20 - 121)

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.

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: D3J160213 Work Order #...: F22GQ1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D3J210000-207 F22GQ1AD-LCSD
Prep Date.....: 10/21/03 Analysis Date..: 11/05/03
Prep Batch #...: 3294207 Analysis Time..: 12:30
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Demeton (total)	**2.00**	**0.636**	**ug/L**	**32**		**SW846 8141A**
	2.00	**1.76 p**	**ug/L**	**88**	**94**	**SW846 8141A**
Diazinon	**2.00**	**0.844 a**	**ug/L**	**42**		**SW846 8141A**
	2.00	**1.65 p**	**ug/L**	**82**	**65**	**SW846 8141A**
Ethyl parathion	**2.00**	**0.718 a**	**ug/L**	**36**		**SW846 8141A**
	2.00	**1.46 p**	**ug/L**	**73**	**68**	**SW846 8141A**
Malathion	**2.00**	**0.600 a**	**ug/L**	**30**		**SW846 8141A**
	2.00	**1.26 p**	**ug/L**	**63**	**71**	**SW846 8141A**
Methyl parathion	**2.00**	**0.806 a**	**ug/L**	**40**		**SW846 8141A**
	2.00	**1.59 p**	**ug/L**	**80**	**65**	**SW846 8141A**
Phorate	**2.00**	**0.848 a**	**ug/L**	**42**		**SW846 8141A**
	2.00	**1.70 p**	**ug/L**	**85**	**67**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	44 *	(49 - 105)
	81	(49 - 105)
Ethyl Pirimifos	30	(20 - 121)
	90	(20 - 121)

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.

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D3J160213 **Work Order #...:** F2LGF1A5-MS **Matrix.....:** WATER
MS Lot-Sample #: D3J150262-001 F2LGF1A6-MSD
Date Sampled...: 10/14/03 08:00 **Date Received..:** 10/15/03
Prep Date.....: 10/21/03 **Analysis Date..:** 11/05/03
Prep Batch #...: 3294207 **Analysis Time..:** 17:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	**69**	**(20 - 107)**			**SW846 8141A**
	78	**(20 - 107)**	**14**	**(0-40)**	**SW846 8141A**
Diazinon	**71**	**(58 - 108)**			**SW846 8141A**
	74	**(58 - 108)**	**5.8**	**(0-40)**	**SW846 8141A**
Ethyl parathion	**76**	**(62 - 118)**			**SW846 8141A**
	79	**(62 - 118)**	**4.2**	**(0-40)**	**SW846 8141A**
Malathion	**76**	**(33 - 109)**			**SW846 8141A**
	79	**(33 - 109)**	**4.4**	**(0-40)**	**SW846 8141A**
Methyl parathion	**84**	**(50 - 127)**			**SW846 8141A**
	87	**(50 - 127)**	**2.8**	**(0-40)**	**SW846 8141A**
Phorate	**79**	**(54 - 101)**			**SW846 8141A**
	78	**(54 - 101)**	**1.0**	**(0-40)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	81	(49 - 105)
	85	(49 - 105)
Ethyl Pirimifos	69	(20 - 121)
	74	(20 - 121)

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 #...: D3J160213 Work Order #...: F2LGF1A5-MS Matrix.....: WATER
MS Lot-Sample #: D3J150262-001 F2LGF1A6-MSD
Date Sampled...: 10/14/03 08:00 Date Received..: 10/15/03
Prep Date.....: 10/21/03 Analysis Date..: 11/05/03
Prep Batch #...: 3294207 Analysis Time..: 17:51
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Demeton (total)	ND	1.88	1.29	ug/L	69		SW846 8141A
	ND	1.89	1.48	ug/L	78	14	SW846 8141A
Diazinon	ND	1.88	1.33	ug/L	71		SW846 8141A
	ND	1.89	1.41	ug/L	74	5.8	SW846 8141A
Ethyl parathion	ND	1.88	1.43	ug/L	76		SW846 8141A
	ND	1.89	1.49	ug/L	79	4.2	SW846 8141A
Malathion	ND	1.88	1.44	ug/L	76		SW846 8141A
	ND	1.89	1.50	ug/L	79	4.4	SW846 8141A
Methyl parathion	ND	1.88	1.59	ug/L	84		SW846 8141A
	ND	1.89	1.63	ug/L	87	2.8	SW846 8141A
Phorate	ND	1.88	1.48	ug/L	79		SW846 8141A
	ND	1.89	1.46	ug/L	78	1.0	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	81	(49 - 105)
	85	(49 - 105)
Ethyl Pirimifos	69	(20 - 121)
	74	(20 - 121)

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 #...: D3J160213 **Work Order #...:** F2NR91EF-MS **Matrix.....:** WATER
MS Lot-Sample #: D3J160213-001 F2NR91EG-MSD
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03
Prep Date.....: 10/21/03 **Analysis Date..:** 11/05/03
Prep Batch #...: 3294207 **Analysis Time..:** 14:09
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	40	(20 - 107)			SW846 8141A
	27	(20 - 107)	38	(0-40)	SW846 8141A
Diazinon	64	(58 - 108)			SW846 8141A
	73	(58 - 108)	13	(0-40)	SW846 8141A
Ethyl parathion	62	(62 - 118)			SW846 8141A
	69	(62 - 118)	10	(0-40)	SW846 8141A
Malathion	45	(33 - 109)			SW846 8141A
	54	(33 - 109)	16	(0-40)	SW846 8141A
Methyl parathion	61	(50 - 127)			SW846 8141A
	68	(50 - 127)	12	(0-40)	SW846 8141A
Phorate	58	(54 - 101)			SW846 8141A
	57	(54 - 101)	0.82	(0-40)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	60	(49 - 105)
	69	(49 - 105)
Ethyl Pirimifos	64	(20 - 121)
	73	(20 - 121)

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 #...: D3J160213 Work Order #...: F2NR91EF-MS Matrix.....: WATER
MS Lot-Sample #: D3J160213-001 F2NR91EG-MSD
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03
Prep Date.....: 10/21/03 Analysis Date..: 11/05/03
Prep Batch #...: 3294207 Analysis Time..: 14:09
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Demeton (total)	ND	1.89	0.764	ug/L	40		SW846 8141A
	ND	1.90	0.518	ug/L	27	38	SW846 8141A
Diazinon	ND	1.89	1.22	ug/L	64		SW846 8141A
	ND	1.90	1.39	ug/L	73	13	SW846 8141A
Ethyl parathion	ND	1.89	1.18	ug/L	62		SW846 8141A
	ND	1.90	1.31	ug/L	69	10	SW846 8141A
Malathion	ND	1.89	0.862	ug/L	45		SW846 8141A
	ND	1.90	1.02	ug/L	54	16	SW846 8141A
Methyl parathion	ND	1.89	1.15	ug/L	61		SW846 8141A
	ND	1.90	1.29	ug/L	68	12	SW846 8141A
Phorate	ND	1.89	1.09	ug/L	58		SW846 8141A
	ND	1.90	1.08	ug/L	57	0.82	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	60	(49 - 105)
	69	(49 - 105)
Ethyl Pirimifos	64	(20 - 121)
	73	(20 - 121)

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 #...: D3J160213 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D3J170000-479 Prep Batch #...: 3290479						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/03	F2TWN1AA
		Dilution Factor: 1				
		Analysis Time..: 12:56				
MB Lot-Sample #: D3J180000-152 Prep Batch #...: 3291152						
Aluminum	30 B	100	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AC
		Dilution Factor: 1				
		Analysis Time..: 17:15				
Antimony	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AT
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Arsenic	ND	15	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AD
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Barium	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AE
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AF
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Boron	ND	100	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AG
		Dilution Factor: 1				
		Analysis Time..: 17:15				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AH
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Chromium	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AK
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Cobalt	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AJ
		Dilution Factor: 1				
		Analysis Time..: 20:06				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D3J160213 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	1.3 B	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AL
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AM
		Dilution Factor: 1				
		Analysis Time..: 17:15				
Lead	ND	3.0	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AR
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Manganese	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AN
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Molybdenum	ND	20	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AP
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Nickel	ND	40	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AQ
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Selenium	ND	15	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AU
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Silver	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AA
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Thallium	ND	10	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AV
		Dilution Factor: 1				
		Analysis Time..: 20:06				
Zinc	ND	20	ug/L	SW846 6010B	10/23-10/24/03	F2XEF1AW
		Dilution Factor: 1				
		Analysis Time..: 20:06				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D3J160213 **Matrix.....: WATER**

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Aluminum	97	(86 - 108)			SW846 6010B	10/23-10/24/03	3291152
	100	(86 - 108)	3.0	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 17:20		
Antimony	99	(88 - 108)			SW846 6010B	10/23-10/24/03	3291152
	101	(88 - 108)	2.5	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Arsenic	100	(89 - 109)			SW846 6010B	10/23-10/24/03	3291152
	103	(89 - 109)	2.4	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Barium	104	(93 - 113)			SW846 6010B	10/23-10/24/03	3291152
	107	(93 - 113)	2.5	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Beryllium	99	(88 - 112)			SW846 6010B	10/23-10/24/03	3291152
	102	(88 - 112)	3.1	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Boron	96	(89 - 110)			SW846 6010B	10/23-10/24/03	3291152
	97	(89 - 110)	1.1	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 17:20		
Cadmium	101	(89 - 110)			SW846 6010B	10/23-10/24/03	3291152
	104	(89 - 110)	3.3	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Chromium	103	(89 - 112)			SW846 6010B	10/23-10/24/03	3291152
	106	(89 - 112)	3.1	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Cobalt	100	(86 - 107)			SW846 6010B	10/23-10/24/03	3291152
	103	(86 - 107)	2.8	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Copper	101	(86 - 110)			SW846 6010B	10/23-10/24/03	3291152
	104	(86 - 110)	2.7	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D3J160213 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Iron	96	(88 - 110)			SW846 6010B	10/23-10/24/03	3291152
	97	(88 - 110)	1.5	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 17:20		
Lead	101	(91 - 111)			SW846 6010B	10/23-10/24/03	3291152
	104	(91 - 111)	3.1	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Manganese	102	(90 - 110)			SW846 6010B	10/23-10/24/03	3291152
	105	(90 - 110)	2.7	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Molybdenum	99	(83 - 109)			SW846 6010B	10/23-10/24/03	3291152
	102	(83 - 109)	2.8	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Nickel	100	(90 - 110)			SW846 6010B	10/23-10/24/03	3291152
	103	(90 - 110)	2.6	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Selenium	98	(88 - 110)			SW846 6010B	10/23-10/24/03	3291152
	101	(88 - 110)	2.8	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Silver	100	(85 - 114)			SW846 6010B	10/23-10/24/03	3291152
	103	(85 - 114)	2.8	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Thallium	99	(88 - 108)			SW846 6010B	10/23-10/24/03	3291152
	101	(88 - 108)	2.5	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		
Zinc	96	(85 - 110)			SW846 6010B	10/23-10/24/03	3291152
	99	(85 - 110)	3.0	(0-20)	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1			Analysis Time..: 20:11		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D3J160213 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Aluminum	2000	1940	ug/L	97		SW846 6010B	10/23-10/24/03	3291152
	2000	1990	ug/L	100	3.0	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 17:20		
Antimony	500	495	ug/L	99		SW846 6010B	10/23-10/24/03	3291152
	500	507	ug/L	101	2.5	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Arsenic	2000	2000	ug/L	100		SW846 6010B	10/23-10/24/03	3291152
	2000	2050	ug/L	103	2.4	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Barium	2000	2090	ug/L	104		SW846 6010B	10/23-10/24/03	3291152
	2000	2140	ug/L	107	2.5	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Beryllium	50.0	49.6	ug/L	99		SW846 6010B	10/23-10/24/03	3291152
	50.0	51.2	ug/L	102	3.1	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Boron	1000	956	ug/L	96		SW846 6010B	10/23-10/24/03	3291152
	1000	966	ug/L	97	1.1	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 17:20		
Cadmium	50.0	50.4	ug/L	101		SW846 6010B	10/23-10/24/03	3291152
	50.0	52.1	ug/L	104	3.3	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Chromium	200	205	ug/L	103		SW846 6010B	10/23-10/24/03	3291152
	200	212	ug/L	106	3.1	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Cobalt	500	500	ug/L	100		SW846 6010B	10/23-10/24/03	3291152
	500	514	ug/L	103	2.8	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		
Copper	250	254	ug/L	101		SW846 6010B	10/23-10/24/03	3291152
	250	261	ug/L	104	2.7	SW846 6010B	10/23-10/24/03	3291152
		Dilution Factor: 1				Analysis Time..: 20:11		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D3J160213 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Iron	1000	955	ug/L	96		SW846 6010B	10/23-10/24/03	3291152
	1000	970	ug/L	97	1.5	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 17:20		
Lead	500	504	ug/L	101		SW846 6010B	10/23-10/24/03	3291152
	500	521	ug/L	104	3.1	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Manganese	500	510	ug/L	102		SW846 6010B	10/23-10/24/03	3291152
	500	525	ug/L	105	2.7	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Molybdenum	1000	993	ug/L	99		SW846 6010B	10/23-10/24/03	3291152
	1000	1020	ug/L	102	2.8	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Nickel	500	500	ug/L	100		SW846 6010B	10/23-10/24/03	3291152
	500	513	ug/L	103	2.6	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Selenium	2000	1970	ug/L	98		SW846 6010B	10/23-10/24/03	3291152
	2000	2020	ug/L	101	2.8	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Silver	50.0	49.9	ug/L	100		SW846 6010B	10/23-10/24/03	3291152
	50.0	51.3	ug/L	103	2.8	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Thallium	2000	1980	ug/L	99		SW846 6010B	10/23-10/24/03	3291152
	2000	2030	ug/L	101	2.5	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		
Zinc	500	479	ug/L	96		SW846 6010B	10/23-10/24/03	3291152
	500	494	ug/L	99	3.0	SW846 6010B	10/23-10/24/03	3291152
			Dilution Factor: 1			Analysis Time..: 20:11		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D3J170000-479 **Prep Batch #...:** 3290479					
Mercury	101	(84 - 114)	SW846 7470A	10/22-10/23/03	F2TWN1AC
		Dilution Factor: 1		Analysis Time..: 12:58	

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D3J170000-479 **Prep Batch #...:** 3290479							
Mercury	5.00	5.04	ug/L	101	SW846 7470A	10/22-10/23/03	F2TWN1AC

Dilution Factor: 1 Analysis Time..: 12:58

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/07/03 12:00 **Date Received..:** 10/08/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D3J080173-004 **Prep Batch #...:** 3291152							
Barium	102	(85 - 120)			SW846 6010B	10/23-10/25/03	F13CM1CN
	101	(85 - 120)	0.46	(0-25)	SW846 6010B	10/23-10/25/03	F13CM1CP
		Dilution Factor: 1					
		Analysis Time..: 18:07					
Beryllium	94	(79 - 121)			SW846 6010B	10/23-10/25/03	F13CM1CQ
	92	(79 - 121)	2.3	(0-25)	SW846 6010B	10/23-10/25/03	F13CM1CR
		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 #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/07/03 12:00 **Date Received..:** 10/08/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D3J080173-004 **Prep Batch #...:** 3291152									
Barium									
	12	2000	2050	ug/L	102		SW846 6010B	10/23-10/25/03	F13CM1CN
	12	2000	2040	ug/L	101	0.46	SW846 6010B	10/23-10/25/03	F13CM1CP
			Dilution Factor: 1						
			Analysis Time..: 18:07						
Beryllium									
	ND	50.0	46.9	ug/L	94		SW846 6010B	10/23-10/25/03	F13CM1CQ
	ND	50.0	45.8	ug/L	92	2.3	SW846 6010B	10/23-10/25/03	F13CM1CR
			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

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D3J160213-001 Prep Batch #...: 3290479							
Mercury	99	(84 - 114)			SW846 7470A	10/22-10/23/03	F2NR91C2
	101	(84 - 114)	2.0	(0-10)	SW846 7470A	10/22-10/23/03	F2NR91C3
		Dilution Factor: 1					
		Analysis Time..: 13:29					
MS Lot-Sample #: D3J160213-001 Prep Batch #...: 3291152							
Aluminum	117	(83 - 119)			SW846 6010B	10/23-10/24/03	F2NR91DK
	114	(83 - 119)	2.0	(0-25)	SW846 6010B	10/23-10/24/03	F2NR91DL
		Dilution Factor: 1					
		Analysis Time..: 18:24					
Antimony	106	(81 - 124)			SW846 6010B	10/23-10/25/03	F2NR91CR
	102	(81 - 124)	3.4	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CT
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Arsenic	111	(84 - 124)			SW846 6010B	10/23-10/25/03	F2NR91DM
	107	(84 - 124)	4.0	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91DN
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Barium	104	(85 - 120)			SW846 6010B	10/23-10/25/03	F2NR91DP
	101	(85 - 120)	3.5	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91DQ
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Beryllium	96	(79 - 121)			SW846 6010B	10/23-10/25/03	F2NR91DR
	94	(79 - 121)	1.4	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91DT
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Boron	101	(87 - 113)			SW846 6010B	10/23-10/24/03	F2NR91DU
	98	(87 - 113)	1.3	(0-25)	SW846 6010B	10/23-10/24/03	F2NR91DV
		Dilution Factor: 1					
		Analysis Time..: 18:24					
Cadmium	99	(82 - 119)			SW846 6010B	10/23-10/25/03	F2NR91DW
	96	(82 - 119)	3.1	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91DX
		Dilution Factor: 1					
		Analysis Time..: 18:25					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	101	(73 - 135)			SW846 6010B	10/23-10/25/03	F2NR91D2
	91	(73 - 135)	8.4	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91D3
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Cobalt	102	(82 - 119)			SW846 6010B	10/23-10/25/03	F2NR91D0
	98	(82 - 119)	3.8	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91D1
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Copper	116	(82 - 129)			SW846 6010B	10/23-10/25/03	F2NR91D4
	111	(82 - 129)	3.9	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91D5
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Iron	97	(52 - 155)			SW846 6010B	10/23-10/24/03	F2NR91D6
	90	(52 - 155)	4.8	(0-25)	SW846 6010B	10/23-10/24/03	F2NR91D7
		Dilution Factor: 1					
		Analysis Time..: 18:24					
Lead	106	(89 - 121)			SW846 6010B	10/23-10/25/03	F2NR91CP
	101	(89 - 121)	4.4	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CQ
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Manganese	105	(79 - 121)			SW846 6010B	10/23-10/25/03	F2NR91CH
	95	(79 - 121)	3.2	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CJ
		Dilution Factor: 1					
		Analysis Time. : 18:25					
Molybdenum	102	(83 - 109)			SW846 6010B	10/23-10/25/03	F2NR91CK
	99	(83 - 109)	2.7	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CL
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Nickel	97	(84 - 120)			SW846 6010B	10/23-10/25/03	F2NR91CM
	93	(84 - 120)	4.3	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CN
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Selenium	118	(71 - 140)			SW846 6010B	10/23-10/25/03	F2NR91CU
	113	(71 - 140)	4.6	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CV
		Dilution Factor: 1					
		Analysis Time..: 18:25					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	119	(75 - 141)			SW846 6010B	10/23-10/25/03	F2NR91DH
	114	(75 - 141)	4.7	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91DJ
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Thallium	105	(90 - 116)			SW846 6010B	10/23-10/25/03	F2NR91CW
	102	(90 - 116)	3.8	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91CX
		Dilution Factor: 1					
		Analysis Time..: 18:25					
Zinc	106	(60 - 137)			SW846 6010B	10/23-10/25/03	F2NR91C0
	102	(60 - 137)	4.1	(0-25)	SW846 6010B	10/23-10/25/03	F2NR91C1
		Dilution Factor: 1					
		Analysis Time..: 18:25					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D3J160213-001 Prep Batch #...: 3290479									
Mercury									
	ND	5.00	4.93	ug/L	99		SW846 7470A	10/22-10/23/03	F2NR91C2
	ND	5.00	5.03	ug/L	101	2.0	SW846 7470A	10/22-10/23/03	F2NR91C3
			Dilution Factor: 1						
			Analysis Time..: 13:29						
MS Lot-Sample #: D3J160213-001 Prep Batch #...: 3291152									
Aluminum									
	480	2000	2810	ug/L	117		SW846 6010B	10/23-10/24/03	F2NR91DK
	480	2000	2760	ug/L	114	2.0	SW846 6010B	10/23-10/24/03	F2NR91DL
			Dilution Factor: 1						
			Analysis Time..: 18:24						
Antimony									
	ND	500	528	ug/L	106		SW846 6010B	10/23-10/25/03	F2NR91CR
	ND	500	510	ug/L	102	3.4	SW846 6010B	10/23-10/25/03	F2NR91CT
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Arsenic									
	ND	2000	2230	ug/L	111		SW846 6010B	10/23-10/25/03	F2NR91DM
	ND	2000	2150	ug/L	107	4.0	SW846 6010B	10/23-10/25/03	F2NR91DN
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Barium									
	21	2000	2110	ug/L	104		SW846 6010B	10/23-10/25/03	F2NR91DP
	21	2000	2040	ug/L	101	3.5	SW846 6010B	10/23-10/25/03	F2NR91DQ
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Beryllium									
	ND	50.0	47.8	ug/L	96		SW846 6010B	10/23-10/25/03	F2NR91DR
	ND	50.0	47.2	ug/L	94	1.4	SW846 6010B	10/23-10/25/03	F2NR91DT
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Boron									
	1600	1000	2650	ug/L	101		SW846 6010B	10/23-10/24/03	F2NR91DU
	1600	1000	2620	ug/L	98	1.3	SW846 6010B	10/23-10/24/03	F2NR91DV
			Dilution Factor: 1						
			Analysis Time..: 18:24						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	ND	50.0	49.6	ug/L	99		SW846 6010B	10/23-10/25/03	F2NR91DW
	ND	50.0	48.1	ug/L	96	3.1	SW846 6010B	10/23-10/25/03	F2NR91DX
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Chromium									
	43	200	245	ug/L	101		SW846 6010B	10/23-10/25/03	F2NR91D2
	43	200	225	ug/L	91	8.4	SW846 6010B	10/23-10/25/03	F2NR91D3
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Cobalt									
	ND	500	509	ug/L	102		SW846 6010B	10/23-10/25/03	F2NR91D0
	ND	500	490	ug/L	98	3.8	SW846 6010B	10/23-10/25/03	F2NR91D1
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Copper									
	8.6	250	298	ug/L	116		SW846 6010B	10/23-10/25/03	F2NR91D4
	8.6	250	286	ug/L	111	3.9	SW846 6010B	10/23-10/25/03	F2NR91D5
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Iron									
	510	1000	1490	ug/L	97		SW846 6010B	10/23-10/24/03	F2NR91D6
	510	1000	1420	ug/L	90	4.8	SW846 6010B	10/23-10/24/03	F2NR91D7
			Dilution Factor: 1						
			Analysis Time..: 18:24						
Lead									
	ND	500	529	ug/L	106		SW846 6010B	10/23-10/25/03	F2NR91CP
	ND	500	506	ug/L	101	4.4	SW846 6010B	10/23-10/25/03	F2NR91CQ
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Manganese									
	1000	500	1530	ug/L	105		SW846 6010B	10/23-10/25/03	F2NR91CH
	1000	500	1490	ug/L	95	3.2	SW846 6010B	10/23-10/25/03	F2NR91CJ
			Dilution Factor: 1						
			Analysis Time..: 18:25						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:20 **Date Received..:** 10/16/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	40	1000	1060	ug/L	102		SW846 6010B	10/23-10/25/03	F2NR91CK
	40	1000	1030	ug/L	99	2.7	SW846 6010B	10/23-10/25/03	F2NR91CL
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Nickel									
	34	500	520	ug/L	97		SW846 6010B	10/23-10/25/03	F2NR91CM
	34	500	498	ug/L	93	4.3	SW846 6010B	10/23-10/25/03	F2NR91CN
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Selenium									
	ND	2000	2370	ug/L	118		SW846 6010B	10/23-10/25/03	F2NR91CU
	ND	2000	2260	ug/L	113	4.6	SW846 6010B	10/23-10/25/03	F2NR91CV
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Silver									
	ND	50.0	59.7	ug/L	119		SW846 6010B	10/23-10/25/03	F2NR91DH
	ND	50.0	57.0	ug/L	114	4.7	SW846 6010B	10/23-10/25/03	F2NR91DJ
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Thallium									
	ND	2000	2110	ug/L	105		SW846 6010B	10/23-10/25/03	F2NR91CW
	ND	2000	2030	ug/L	102	3.8	SW846 6010B	10/23-10/25/03	F2NR91CX
			Dilution Factor: 1						
			Analysis Time..: 18:25						
Zinc									
	16	500	546	ug/L	106		SW846 6010B	10/23-10/25/03	F2NR91C0
	16	500	524	ug/L	102	4.1	SW846 6010B	10/23-10/25/03	F2NR91C1
			Dilution Factor: 1						
			Analysis Time..: 18:25						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: F29L11AA		MB Lot-Sample #: D3J230000-361		
	ND	20	mg/L	MCAWW 410.4	10/21/03	3296361
		Dilution Factor: 1				
		Analysis Time..: 16:45				
Chloride		Work Order #: F3HM01AA		MB Lot-Sample #: D3J170000-566		
	ND	3.0	mg/L	MCAWW 300.0A	10/16/03	3290566
		Dilution Factor: 1				
		Analysis Time..: 13:37				
Fecal Coliform		Work Order #: F3LPV1AA		MB Lot-Sample #: D3J280000-603		
	ND	1.0	CFU/100m	SM18 9222D Fecal	10/16/03	3301603
		Dilution Factor: 1				
		Analysis Time..: 14:30				
Fluoride		Work Order #: F3HMF1AA		MB Lot-Sample #: D3J170000-569		
	ND	1.0	mg/L	MCAWW 300.0A	10/16/03	3290569
		Dilution Factor: 1				
		Analysis Time..: 13:37				
Nitrate		Work Order #: F3HNK1AA		MB Lot-Sample #: D3J170000-567		
	ND	0.50	mg/L	MCAWW 300.0A	10/16/03	3290567
		Dilution Factor: 1				
		Analysis Time..: 13:37				
Nitrite		Work Order #: F3HNG1AA		MB Lot-Sample #: D3J170000-570		
	ND	0.50	mg/L	MCAWW 300.0A	10/16/03	3290570
		Dilution Factor: 1				
		Analysis Time..: 13:37				
Specific Conductance		Work Order #: F20C11AA		MB Lot-Sample #: D3J200000-257		
	ND	2.0	umhos/cm	MCAWW 120.1	10/17/03	3293257
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Sulfate		Work Order #: F3HPF1AA		MB Lot-Sample #: D3J170000-568		
	ND	5.0	mg/L	MCAWW 300.0A	10/16/03	3290568
		Dilution Factor: 1				
		Analysis Time..: 13:37				
Total Coliform		Work Order #: F3LPR1AA		MB Lot-Sample #: D3J280000-601		
	ND	1.0	CFU/100m	SM18 9222B	10/16/03	3301601
		Dilution Factor: 1				
		Analysis Time..: 15:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: F288Q1AA		MB Lot-Sample #: D3J230000-416		
	ND	0.010	mg/L	MCAWW 335.3	10/22-10/23/03	3296416
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Total Dissolved Solids		Work Order #: F3T8A1AA		MB Lot-Sample #: D3J300000-251		
	ND	10	mg/L	MCAWW 160.1	10/20/03	3303251
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Suspended Solids		Work Order #: F24V01AA		MB Lot-Sample #: D3J210000-676		
	ND	4.0	mg/L	MCAWW 160.2	10/20/03	3294676
		Dilution Factor: 1				
		Analysis Time..: 20:45				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D3J160213 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:F29L11AC-LCS/F29L11AD-LCSD LCS Lot-Sample#: D3J230000-361					
	94	(86 - 114)			MCAWW 410.4	10/21/03	3296361
	94	(86 - 114)	0.0	(0-11)	MCAWW 410.4	10/21/03	3296361
		Dilution Factor: 1			Analysis Time..: 16:45		
Chloride		WO#:F3HM01AC-LCS/F3HM01AD-LCSD LCS Lot-Sample#: D3J170000-566					
	96	(90 - 110)			MCAWW 300.0A	10/16/03	3290566
	96	(90 - 110)	0.88	(0-10)	MCAWW 300.0A	10/16/03	3290566
		Dilution Factor: 1			Analysis Time..: 13:15		
Fluoride		WO#:F3HMF1AC-LCS/F3HMF1AD-LCSD LCS Lot-Sample#: D3J170000-569					
	98	(90 - 110)			MCAWW 300.0A	10/16/03	3290569
	100	(90 - 110)	1.3	(0-10)	MCAWW 300.0A	10/16/03	3290569
		Dilution Factor: 1			Analysis Time..: 13:15		
Nitrate		WO#:F3HNK1AC-LCS/F3HNK1AD-LCSD LCS Lot-Sample#: D3J170000-567					
	95	(90 - 110)			MCAWW 300.0A	10/16/03	3290567
	94	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	10/16/03	3290567
		Dilution Factor: 1			Analysis Time..: 13:15		
Nitrite		WO#:F3HNG1AC-LCS/F3HNG1AD-LCSD LCS Lot-Sample#: D3J170000-570					
	102	(90 - 110)			MCAWW 300.0A	10/16/03	3290570
	99	(90 - 110)	3.2	(0-10)	MCAWW 300.0A	10/16/03	3290570
		Dilution Factor: 1			Analysis Time..: 13:15		
Specific Conductance		WO#:F20C11AC-LCS/F20C11AD-LCSD LCS Lot-Sample#: D3J200000-257					
	101	(89 - 109)			MCAWW 120.1	10/17/03	3293257
	102	(89 - 109)	1.1	(0-7.0)	MCAWW 120.1	10/17/03	3293257
		Dilution Factor: 1			Analysis Time..: 16:00		
Sulfate		WO#:F3HPF1AC-LCS/F3HPF1AD-LCSD LCS Lot-Sample#: D3J170000-568					
	92	(90 - 110)			MCAWW 300.0A	10/16/03	3290568
	92	(90 - 110)	0.43	(0-10)	MCAWW 300.0A	10/16/03	3290568
		Dilution Factor: 1			Analysis Time..: 13:15		
Total Dissolved Solids		WO#:F3T8A1AC-LCS/F3T8A1AD-LCSD LCS Lot-Sample#: D3J300000-251					
	99	(86 - 106)			MCAWW 160.1	10/20/03	3303251
	104	(86 - 106)	4.9	(0-20)	MCAWW 160.1	10/20/03	3303251
		Dilution Factor: 1			Analysis Time..: 00:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D3J160213 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	WO#:F24V01AC-LCS/F24V01AD-LCSD LCS Lot-Sample#: D3J210000-676						
	96	(86 - 114)			MCAWW 160.2	10/20/03	3294676
	92	(86 - 114)	3.8	(0-20)	MCAWW 160.2	10/20/03	3294676

Dilution Factor: 1 Analysis Time..: 20:45

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D3J160213 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:F29L11AC-LCS/F29L11AD-LCSD				LCS Lot-Sample#: D3J230000-361		
	100	94.1	mg/L	94		MCAWW 410.4	10/21/03	3296361
	100	94.1	mg/L	94	0.0	MCAWW 410.4	10/21/03	3296361
		Dilution Factor: 1				Analysis Time..: 16:45		
Chloride		WO#:F3HM01AC-LCS/F3HM01AD-LCSD				LCS Lot-Sample#: D3J170000-566		
	20.0	19.3	mg/L	96		MCAWW 300.0A	10/16/03	3290566
	20.0	19.1	mg/L	96	0.88	MCAWW 300.0A	10/16/03	3290566
		Dilution Factor: 1				Analysis Time..: 13:15		
Fluoride		WO#:F3HMF1AC-LCS/F3HMF1AD-LCSD				LCS Lot-Sample#: D3J170000-569		
	4.00	3.93	mg/L	98		MCAWW 300.0A	10/16/03	3290569
	4.00	3.98	mg/L	100	1.3	MCAWW 300.0A	10/16/03	3290569
		Dilution Factor: 1				Analysis Time..: 13:15		
Nitrate		WO#:F3HNK1AC-LCS/F3HNK1AD-LCSD				LCS Lot-Sample#: D3J170000-567		
	4.00	3.79	mg/L	95		MCAWW 300.0A	10/16/03	3290567
	4.00	3.78	mg/L	94	0.26	MCAWW 300.0A	10/16/03	3290567
		Dilution Factor: 1				Analysis Time..: 13:15		
Nitrite		WO#:F3HNG1AC-LCS/F3HNG1AD-LCSD				LCS Lot-Sample#: D3J170000-570		
	4.00	4.08	mg/L	102		MCAWW 300.0A	10/16/03	3290570
	4.00	3.95	mg/L	99	3.2	MCAWW 300.0A	10/16/03	3290570
		Dilution Factor: 1				Analysis Time..: 13:15		
Specific Conductance		WO#:F20C11AC-LCS/F20C11AD-LCSD				LCS Lot-Sample#: D3J200000-257		
	1010	1020	umhos/cm	101		MCAWW 120.1	10/17/03	3293257
	1010	1030	umhos/cm	102	1.1	MCAWW 120.1	10/17/03	3293257
		Dilution Factor: 1				Analysis Time..: 16:00		
Sulfate		WO#:F3HPF1AC-LCS/F3HPF1AD-LCSD				LCS Lot-Sample#: D3J170000-568		
	20.0	18.4	mg/L	92		MCAWW 300.0A	10/16/03	3290568
	20.0	18.3	mg/L	92	0.43	MCAWW 300.0A	10/16/03	3290568
		Dilution Factor: 1				Analysis Time..: 13:15		
Total Dissolved Solids		WO#:F3T8A1AC-LCS/F3T8A1AD-LCSD				LCS Lot-Sample#: D3J300000-251		
	500	494	mg/L	99		MCAWW 160.1	10/20/03	3303251
	500	519	mg/L	104	4.9	MCAWW 160.1	10/20/03	3303251
		Dilution Factor: 1				Analysis Time..: 00:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D3J160213 **Matrix.....: WATER**

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:F24V01AC-LCS/F24V01AD-LCSD				LCS Lot-Sample#: D3J210000-676		
	250	239	mg/L	96		MCAWW 160.2	10/20/03	3294676
	250	230	mg/L	92	3.8	MCAWW 160.2	10/20/03	3294676

Dilution Factor: 1 Analysis Time..: 20:45

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: F288Q1AC	LCS Lot-Sample#: D3J230000-416		
	99	(89 - 109)	MCAWW 335.3	10/22-10/23/03	3296416
		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

Client Lot #...: D3J160213 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: F288Q1AC		LCS Lot-Sample#: D3J230000-416			
	0.100	0.0987	mg/L	99	MCAWW 335.3	10/22-10/23/03	3296416
		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 #...: D3J160213 Matrix.....: WATER
Date Sampled...: 10/14/03 16:55 Date Received..: 10/16/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: F2NR91EK-MS/F2NR91EL-MSD				MS Lot-Sample #: D3J160213-001	
	86	(74 - 109)			MCAWW 410.4	10/21/03	3296361
	77	(74 - 109)	8.2	(0-11)	MCAWW 410.4	10/21/03	3296361
		Dilution Factor: 1					
		Analysis Time..: 16:45					
Chloride		WO#: F2NHE1CD-MS/F2NHE1CE-MSD				MS Lot-Sample #: D3J160175-001	
	109	(80 - 120)			MCAWW 300.0A	10/16/03	3290566
	111	(80 - 120)	0.91	(0-10)	MCAWW 300.0A	10/16/03	3290566
		Dilution Factor: 1					
		Analysis Time..: 15:35					
Chloride		WO#: F2NR91C6-MS/F2NR91C7-MSD				MS Lot-Sample #: D3J160213-001	
	108	(80 - 120)			MCAWW 300.0A	10/16/03	3290566
	108	(80 - 120)	0.52	(0-10)	MCAWW 300.0A	10/16/03	3290566
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Fluoride		WO#: F2NR91C8-MS/F2NR91C9-MSD				MS Lot-Sample #: D3J160213-001	
	131 N	(80 - 120)			MCAWW 300.0A	10/16/03	3290569
	130 N	(80 - 120)	0.27	(0-10)	MCAWW 300.0A	10/16/03	3290569
		Dilution Factor: 1					
		Analysis Time..: 16:40					
Nitrate		WO#: F2NHE1CF-MS/F2NHE1CG-MSD				MS Lot-Sample #: D3J160175-001	
	111	(80 - 120)			MCAWW 300.0A	10/16/03	3290567
	113	(80 - 120)	1.5	(0-10)	MCAWW 300.0A	10/16/03	3290567
		Dilution Factor: 1					
		Analysis Time..: 15:35					
Nitrate		WO#: F2NR91DA-MS/F2NR91DC-MSD				MS Lot-Sample #: D3J160213-001	
	107	(80 - 120)			MCAWW 300.0A	10/16/03	3290567
	107	(80 - 120)	0.48	(0-10)	MCAWW 300.0A	10/16/03	3290567
		Dilution Factor: 1					
		Analysis Time..: 16:40					
Nitrite		WO#: F2NR91DD-MS/F2NR91DE-MSD				MS Lot-Sample #: D3J160213-001	
	112	(80 - 120)			MCAWW 300.0A	10/16/03	3290570
	115	(80 - 120)	2.5	(0-10)	MCAWW 300.0A	10/16/03	3290570
		Dilution Factor: 1					
		Analysis Time..: 17:33					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:55 **Date Received..:** 10/16/03

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: F2NHE1CH-MS/F2NHE1CJ-MSD				MS Lot-Sample #: D3J160175-001	
	112	(80 - 120)			MCAWW 300.0A	10/16/03	3290568
	113	(80 - 120)	0.69	(0-10)	MCAWW 300.0A	10/16/03	3290568
		Dilution Factor: 1					
		Analysis Time..: 15:35					
Sulfate		WO#: F2NR91DF-MS/F2NR91DG-MSD				MS Lot-Sample #: D3J160213-001	
	114 I	(80 - 120)			MCAWW 300.0A	10/16/03	3290568
	115 I	(80 - 120)	0.47	(0-10)	MCAWW 300.0A	10/16/03	3290568
		Dilution Factor: 1					
		Analysis Time..: 18:06					
Total Cyanide		WO#: F2NR91EH-MS/F2NR91EJ-MSD				MS Lot-Sample #: D3J160213-001	
	95	(78 - 120)			MCAWW 335.3	10/22-10/23/03	3296416
	96	(78 - 120)	0.62	(0-20)	MCAWW 335.3	10/22-10/23/03	3296416
		Dilution Factor: 1					
		Analysis Time..: 13:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....: WATER**
Date Sampled...: 10/14/03 16:55 Date Received..: 10/16/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: F2NR91EK-MS/F2NR91EL-MSD				MS Lot-Sample #: D3J160213-001		
	12	50.0	55.1	mg/L	86		MCAWW 410.4	10/21/03	3296361
	12	50.0	50.7	mg/L	77	8.2	MCAWW 410.4	10/21/03	3296361
			Dilution Factor: 1						
			Analysis Time..: 16:45						
Chloride			WO#: F2NHE1CD-MS/F2NHE1CE-MSD				MS Lot-Sample #: D3J160175-001		
	11	25.0	38.1	mg/L	109		MCAWW 300.0A	10/16/03	3290566
	11	25.0	38.5	mg/L	111	0.91	MCAWW 300.0A	10/16/03	3290566
			Dilution Factor: 1						
			Analysis Time..: 15:35						
Chloride			WO#: F2NR91C6-MS/F2NR91C7-MSD				MS Lot-Sample #: D3J160213-001		
	1600	2500	4300	mg/L	108		MCAWW 300.0A	10/16/03	3290566
	1600	2500	4320	mg/L	108	0.52	MCAWW 300.0A	10/16/03	3290566
			Dilution Factor: 1						
			Analysis Time..: 18:06						
Fluoride			WO#: F2NR91C8-MS/F2NR91C9-MSD				MS Lot-Sample #: D3J160213-001		
	ND	25.0	32.7 N	mg/L	131		MCAWW 300.0A	10/16/03	3290569
	ND	25.0	32.6 N	mg/L	130	0.27	MCAWW 300.0A	10/16/03	3290569
			Dilution Factor: 1						
			Analysis Time..: 16:40						
Nitrate			WO#: F2NHE1CF-MS/F2NHE1CG-MSD				MS Lot-Sample #: D3J160175-001		
	2.5	5.00	8.01	mg/L	111		MCAWW 300.0A	10/16/03	3290567
	2.5	5.00	8.13	mg/L	113	1.5	MCAWW 300.0A	10/16/03	3290567
			Dilution Factor: 1						
			Analysis Time..: 15:35						
Nitrate			WO#: F2NR91DA-MS/F2NR91DC-MSD				MS Lot-Sample #: D3J160213-001		
	ND	25.0	26.8	mg/L	107		MCAWW 300.0A	10/16/03	3290567
	ND	25.0	26.7	mg/L	107	0.48	MCAWW 300.0A	10/16/03	3290567
			Dilution Factor: 1						
			Analysis Time..: 16:40						
Nitrite			WO#: F2NR91DD-MS/F2NR91DE-MSD				MS Lot-Sample #: D3J160213-001		
	ND	100	112	mg/L	112		MCAWW 300.0A	10/16/03	3290570
	ND	100	115	mg/L	115	2.5	MCAWW 300.0A	10/16/03	3290570
			Dilution Factor: 1						
			Analysis Time..: 17:33						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D3J160213 **Matrix.....:** WATER
Date Sampled...: 10/14/03 16:55 **Date Received..:** 10/16/03

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: F2NHE1CH-MS/F2NHE1CJ-MSD				MS Lot-Sample #: D3J160175-001		
	11	25.0	38.8	mg/L	112		MCAWW 300.0A	10/16/03	3290568
	11	25.0	39.1	mg/L	113	0.69	MCAWW 300.0A	10/16/03	3290568
			Dilution Factor: 1						
			Analysis Time..: 15:35						
Sulfate			WO#: F2NR91DF-MS/F2NR91DG-MSD				MS Lot-Sample #: D3J160213-001		
	2200	2500	5050 I	mg/L	114		MCAWW 300.0A	10/16/03	3290568
	2200	2500	5070 I	mg/L	115	0.47	MCAWW 300.0A	10/16/03	3290568
			Dilution Factor: 1						
			Analysis Time..: 18:06						
Total Cyanide			WO#: F2NR91EH-MS/F2NR91EJ-MSD				MS Lot-Sample #: D3J160213-001		
	ND	0.100	0.0951	mg/L	95		MCAWW 335.3	10/22-10/23/03	3296416
	ND	0.100	0.0957	mg/L	96	0.62	MCAWW 335.3	10/22-10/23/03	3296416
			Dilution Factor: 1						
			Analysis Time..: 13:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 Work Order #...: F2NR9-SMP Matrix.....: WATER
F2NR9-DUP
Date Sampled...: 10/14/03 16:20 Date Received..: 10/16/03

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D3J160213-001		
	6800	6800	umhos/cm	0.15	(0-7.0)	MCAWW 120.1	10/17/03	3293257
		Dilution Factor: 1				Analysis Time..: 16:00		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 Work Order #...: F2RJM-SMP F2RJM-DUP Matrix.....: WATER

Date Sampled...: 10/14/03 16:10 Date Received..: 10/16/03

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D3J170113-002		
	73 Q	78 Q	mg/L	7.4	(0-20)	MCAWW 160.2	10/20/03	3294676
			Dilution Factor: 2			Analysis Time..: 20:45		

NOTE(S):

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

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 Work Order #...: F2NT3-SMP F2NT3-DUP Matrix.....: WATER

Date Sampled...: 10/15/03 17:40 Date Received..: 10/16/03

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Coliform						SD Lot-Sample #: D3J160213-002		
	ND	ND	CFU/100m	0	(0-20)	SM18 9222B	10/16/03	3301601
			Dilution Factor: 1			Analysis Time..: 15:00		
Fecal Coliform						SD Lot-Sample #: D3J160213-002		
	ND	ND	CFU/100m	0	(0-20)	SM18 9222D Fecal	10/16/03	3301603
			Dilution Factor: 1			Analysis Time..: 14:30		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D3J160213 Work Order #...: F2KGH-SMP F2KGH-DUP Matrix.....: WATER

Date Sampled...: 10/14/03 08:12 Date Received..: 10/15/03

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D3J150159-007		
	450	470	mg/L	3.9	(0-20)	MCAWW 160.1	10/20/03	3303251

Dilution Factor: 1 Analysis Time..: 17:00

Severn Trent Laboratories, Inc.
Arvada, CO 80002

COOK-JOYCE INC. / L.E.S.
Address: 812 W. 11th
City: AUSTIN | State: TX | Zip Code: 78701
Project Name and Location (State): L.E.S. MW2
Contract/Purchase Order/Quote No.: 03070

Project Manager: Doug Granger (CSI)
Telephone Number (Area Code)/Fax Number: 512-474-9097
Site Contact: Doug Granger
Lab Contact:
Carrier/Waybill Number:

Date: 10-14-03
Lab Number:
Chain of Custody Number: 281514
Page ____ of ____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: VOLATILES	Semivolatiles	METALS	OC Pesticides	OP Pesticides	PCB	CYANIDE	COD	TSS	Fecal Coliform	TOTAL Coliform	Severn Chemistry	TRIP BLANK
L.E.S. MW2	10/14/03	1620		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	
L.E.S. MW2	10/15/03	1740		✓									✓									✓	✓			

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☒ Archive For 3 Months (A fee may be assessed if samples are retained longer than 1 month)
Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other
QC Requirements (Specify):

	Date	Time
Relinquished By	10/15/03	1800
Relinquished By		
Relinquished By		

	Date	Time
1. Received By	10/16/03	0915
2. Received By		
3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample: PINK - Field Copy