RAS 9640

LOCKWOOD GREENE
ENGINEERING & CONSTRUCTION

1500 International Drive
864-578-2000
Spartanburg, SC 29303

Transmittal

Sheet 1 of 1

Date: 17-Sep-04
Job No.: 018511
Job Name: Urenco
Transmittal No: 204

To Framatome ANP DE&S
400 Donald Lynch Boulevard
Marlborough, MA 01752

Attn: George Harper

The Following Data was sent via: UPS

Code for Lockwood Greene Documents

A - Approval	B - Bid
B/C - Bid / Construction	C - Construction
D - Design	I - Information
LA - License Application	P - Purchase
PE - Permit	R - Review
RD - Record Drawing	RF - Reference
SAR - SAR	T - Transmittal Only
X - See Comments	

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Comments:

Transmitted By: Roxanne Greenleaf
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SEP 17 2004

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Document No.	Rev. No.	Description	Code
2004X00487	-	Analytical Report PO 018511-0403003	I

LES Exhibit 13

Template = SECY-028

SECY-02

U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of Louisiana Energy Services LP

Docket No. 70-3103 Official Exhibit No. LES 13

OFFERED by: Applicant/Licensee Intervenor

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ANALYTICAL REPORT

SEP 1 6 2004

URENCO Project

Lot #: D4H190128

2004X00487

Purchase Order 018511-0403003

Frank Bellini/Carl Jackson

Lockwood Greene
1500 International Drive
Spartanburg, SC 29304

STL DENVER

Gail DeRuzzo
Project Manager

September 9, 2004

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	74

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for one sample received at STL's Denver laboratory on August 19, 2004. 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.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4H190128

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 3.8° C.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were met.

Method Blanks

- The analytes Methylene chloride by Method 8260B, Cadmium by Method 6010B, and Specific Conductance by Method 120.1 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.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

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

- The Matrix Spike and/or Matrix Spike Duplicate recoveries were outside control limits for Cadmium, Boron, Cobalt, Manganese, Molybdenum, and Nickel by Method 6010B in sample MW2. Because the corresponding Laboratory Control Samples and the Method Blank samples 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 Nitrate and Sulfate are estimated.

- The method required MS/MSD could not be performed for Methods 8141A, 8270C, and 8081A due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision.

- The method required MS/MSD could not be performed for Method 8082 due to insufficient sample volume. Because the Method Blank and LCS met QC criteria, no corrective action was taken.

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

Organics

- The Continuing Calibration Verification (CCV) standards for Bolstar, Thionazin, Azinphos-methyl, and Chlormefos 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.

- The Continuing Calibration Verification (CCV) standards for Heptachlor, 4,4'-DDE, Endrin, 4,4'-DDD, 4,4'-DDT, Methoxychlor, Dieldrin, Toxaphene, and delta-BHC by Method 8081A exceeded the percent difference limits in various runs and columns. 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.

Inorganics

- There was insufficient sample volume to analyze the method required sample duplicates for Fecal and Total Coliforms.

EXECUTIVE SUMMARY - Detection Highlights

D4H190128

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW2 08/17/04 16:30 001				
Aluminum	250	100	ug/L	SW846 6010B
Barium	21	10	ug/L	SW846 6010B
Beryllium	0.87 B	5.0	ug/L	SW846 6010B
Boron	1800	100	ug/L	SW846 6010B
Cadmium	0.86 B,J	5.0	ug/L	SW846 6010B
Cobalt	2.7 B	10	ug/L	SW846 6010B
Chromium	47	10	ug/L	SW846 6010B
Copper	12	10	ug/L	SW846 6010B
Iron	540	100	ug/L	SW846 6010B
Manganese	1200	10	ug/L	SW846 6010B
Molybdenum	46	20	ug/L	SW846 6010B
Nickel	48	40	ug/L	SW846 6010B
Lead	3.0	3.0	ug/L	SW846 6010B
Zinc	39	20	ug/L	SW846 6010B
Methylene chloride	0.49 J,B	5.0	ug/L	SW846 8260B
Specific Conductance	9400 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	6400 Q	20	mg/L	MCAWW 160.1
Total Suspended Solids	120	4.0	mg/L	MCAWW 160.2
Chloride	1800 Q	300	mg/L	MCAWW 300.0A
Sulfate	2500 Q	500	mg/L	MCAWW 300.0A
Fluoride	0.76 B,G	5.0	mg/L	MCAWW 300.0A
Nitrate	0.27 B,G	2.5	mg/L	MCAWW 300.0A
Nitrite	0.25 B,G	2.5	mg/L	MCAWW 300.0A

METHODS SUMMARY

D4H190128

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

D4H190128

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Maria Fayard	002596
MCAWW 160.1	David Kendall	002164
MCAWW 160.2	David Kendall	002164
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 335.3	Ewa Kudla	001167
MCAWW 410.4	Dave Elkin	000901
SM18 9222B	Maria Fayard	002596
SM18 9222D Fecal	Maria Fayard	002596
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Luis Diaz	004729
SW846 8081A	Mike Dobransky	008777
SW846 8082	Steve Jetter	011748
SW846 8141A	Sonya Dacar	011595
SW846 8260B	Greg Meier	006004
SW846 8270C	Mike G. Hoffman	001880

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

D4H190128

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GNGH6	001	MW2	08/17/04	16:30
GNGJC	002	MW2	08/18/04	12:38

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: MW2

GC/MS Volatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A8 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4240159 Analysis Time..: 19:41
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	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	0.49 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

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: MW2

GC/MS Volatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A8 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	102	(73 - 118)
1,2-Dichloroethane-d4	99	(62 - 128)
4-Bromofluorobenzene	87	(78 - 118)
Toluene-d8	97	(77 - 117)

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: MW2

GC/MS Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A9 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04
Prep Date.....: 08/19/04 Analysis Date..: 08/24/04
Prep Batch #...: 4232599 Analysis Time..: 20:34
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	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
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	2.0
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: MW2

GC/MS Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A9 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	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
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	2.0
Disulfoton	ND	50	ug/L	2.0
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	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
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	1.0

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: MW2

GC/MS Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A9 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	5.0
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	2.0
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	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
Phorate	ND	50	ug/L	2.0
2-Picoline	ND	20	ug/L	3.0
Pronamide	ND	20	ug/L	2.0
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	2.0
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: MW2

GC/MS Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61A9 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	77	(36 - 110)
Phenol-d5	76	(39 - 109)
Nitrobenzene-d5	77	(47 - 107)
2-Fluorobiphenyl	74	(34 - 96)
2,4,6-Tribromophenol	76	(34 - 126)
Terphenyl-d14	91	(12 - 126)

LOCKWOOD GREENE

Client Sample ID: MW2

GC Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61CC Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04
Prep Date.....: 08/24/04 Analysis Date..: 08/29/04
Prep Batch #...: 4237360 Analysis Time..: 11:21
Dilution Factor: 1
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.012
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	ND	0.050	ug/L	0.010
4,4'-DDE	ND	0.050	ug/L	0.010
4,4'-DDT	ND	0.050	ug/L	0.015
Dieldrin	ND	0.050	ug/L	0.0090
Endrin	ND	0.050	ug/L	0.020
Endrin aldehyde	ND	0.050	ug/L	0.014
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	83	(12 - 153)
Tetrachloro-m-xylene	89	(55 - 113)

LOCKWOOD GREENE

Client Sample ID: MW2

GC Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61CA Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04
Prep Date.....: 08/24/04 Analysis Date..: 08/26/04
Prep Batch #...: 4237392 Analysis Time..: 02:16
Dilution Factor: 1

Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1.0	ug/L	0.050
Aroclor 1221	ND	1.0	ug/L	0.30
Aroclor 1232	ND	1.0	ug/L	0.10
Aroclor 1242	ND	1.0	ug/L	0.10
Aroclor 1248	ND	1.0	ug/L	0.20
Aroclor 1254	ND	1.0	ug/L	0.20
Aroclor 1260	ND	1.0	ug/L	0.10

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(51 - 122)
Decachlorobiphenyl	80	(41 - 138)

LOCKWOOD GREENE

Client Sample ID: MW2

GC Semivolatiles

Lot-Sample #...: D4H190128-001 Work Order #...: GNGH61CD Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04
Prep Date.....: 08/19/04 Analysis Date..: 08/23/04
Prep Batch #...: 4232589 Analysis Time..: 22:46
Dilution Factor: 1

Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Azinphos-methyl	ND	2.5	ug/L	0.30
Bolstar	ND	0.50	ug/L	0.20
Chlorpyrifos	ND	0.50	ug/L	0.050
Coumaphos	ND	0.50	ug/L	0.10
Demeton (total)	ND	1.0	ug/L	0.20
Diazinon	ND	0.50	ug/L	0.080
Dichlorvos	ND	0.50	ug/L	0.30
Dimethoate	ND	0.50	ug/L	0.20
Disulfoton	ND	0.50	ug/L	0.060
Ethoprop	ND	0.50	ug/L	0.090
Ethyl parathion	ND	0.50	ug/L	0.070
Famphur	ND	1.0	ug/L	0.20
Fensulfothion	ND	2.5	ug/L	0.30
Fenthion	ND	0.50	ug/L	0.060
Malathion	ND	1.2	ug/L	0.080
Merphos	ND	5.0	ug/L	0.10
Methyl parathion	ND	0.50	ug/L	0.090
Mevinphos	ND	6.2	ug/L	0.20
Naled	ND	10	ug/L	0.10
O,O,O-Triethylphosphorothioate	ND	0.50	ug/L	0.40
Phorate	ND	0.50	ug/L	0.40
Ronnel	ND	10	ug/L	0.060
Sulfotepp	ND	0.50	ug/L	0.10
Thionazin	ND	0.50	ug/L	0.10
Tokuthion	ND	0.50	ug/L	0.060
Trichloronate	ND	0.50	ug/L	0.050
EPN	ND	0.50	ug/L	0.050
Demeton-O	ND	1.0	ug/L	0.040
Demeton-S	ND	1.0	ug/L	0.040
Tetrachlorvinphos (Stirophos)	ND	2.5	ug/L	0.080

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	84	(48 - 114)
Ethyl Pirimifos	75	(68 - 98)

LOCKWOOD GREENR

Client Sample ID: MW2

TOTAL Metals

Lot-Sample #...: D4H190128-001 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4232407						
Mercury	ND	0.20	ug/L	SW846 7470A	08/20/04	GNGH61A7
		Dilution Factor: 1		Analysis Time..: 17:47	MDL.....: 0.025	
Prep Batch #...: 4234058						
Silver	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AK
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.70	
Aluminum	250	100	ug/L	SW846 6010B	08/24-08/25/04	GNGH61AL
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 20	
Arsenic	ND	15	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AM
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 4.9	
Barium	21	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AN
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.37	
Beryllium	0.87 B	5.0	ug/L	SW846 6010B	08/24-08/25/04	GNGH61AP
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 0.41	
Boron	1800	100	ug/L	SW846 6010B	08/24-08/25/04	GNGH61AQ
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 8.3	
Cadmium	0.86 B,J	5.0	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AR
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.27	
Cobalt	2.7 B	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AT
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.67	
Chromium	47	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AU
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 2.1	
Copper	12	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61AV
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 0.97	
Iron	540	100	ug/L	SW846 6010B	08/24-08/25/04	GNGH61AW
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 19	
Manganese	1200	10	ug/L	SW846 6010B	08/24-08/25/04	GNGH61AX
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 0.54	

(Continued on next page)

LOCKWOOD GREENE

Client Sample ID: MW2

TOTAL Metals

Lot-Sample #...: D4H190128-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	46	20	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A0
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 2.3	
Nickel	48	40	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A1
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 4.2	
Lead	3.0	3.0	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A2
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A3
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 3.6	
Selenium	ND	15	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A4
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 4.6	
Thallium	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNGH61A5
		Dilution Factor: 1		Analysis Time..: 15:49	MDL.....: 8.1	
Zinc	39	20	ug/L	SW846 6010B	08/24-08/25/04	GNGH61A6
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 7.1	

NOTE(S):

B Estimated result. Result is less than RL.

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

LOCKWOOD GREENE

Client Sample ID: MW2

General Chemistry

ot-Sample #...: D4H190128-001 Work Order #...: GNGH6 Matrix.....: WATER
ate Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	ND G	100	mg/L	MCAWW 410.4	08/25/04	4238442
		Dilution Factor: 5		Analysis Time..: 09:00	MDL.....: 20	
Chloride	1800 Q	300	mg/L	MCAWW 300.0A	08/19/04	4233327
		Dilution Factor: 100		Analysis Time..: 14:08	MDL.....: 10	
Fluoride	0.76 B,G	5.0	mg/L	MCAWW 300.0A	08/19/04	4233326
		Dilution Factor: 5		Analysis Time..: 13:50	MDL.....: 0.50	
Nitrate	0.27 B,G	2.5	mg/L	MCAWW 300.0A	08/19/04	4233325
		Dilution Factor: 5		Analysis Time..: 13:50	MDL.....: 0.10	
Nitrite	0.25 B,G	2.5	mg/L	MCAWW 300.0A	08/19/04	4233323
		Dilution Factor: 5		Analysis Time..: 13:50	MDL.....: 0.15	
Specific Conductance	9400 J	2.0	umhos/cm	MCAWW 120.1	08/26/04	4239328
		Dilution Factor: 1		Analysis Time..: 11:00	MDL.....	
Sulfate	2500 Q	500	mg/L	MCAWW 300.0A	08/19/04	4233324
		Dilution Factor: 100		Analysis Time..: 14:08	MDL.....: 10	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	08/26-08/27/04	4240151
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.0039	
Total Dissolved Solids	6400 Q	20	mg/L	MCAWW 160.1	08/24/04	4237579
		Dilution Factor: 2		Analysis Time..: 17:00	MDL.....: 7.2	
Total Suspended Solids	120	4.0	mg/L	MCAWW 160.2	08/23/04	4237223
		Dilution Factor: 1		Analysis Time..: 21:35	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

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

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

J Estimated result. Result is less than RL.

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

LOCKWOOD GREENE

Client Sample ID: MW2

General Chemistry

Lot-Sample #...: D4H190128-002 Work Order #...: GNGJC Matrix.....: WATER
Date Sampled...: 08/18/04 12:38 Date Received..: 08/19/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Fecal Coliform	ND	1.0	CFU/100m	SM18 9222D Fecal	08/19/04	4233332
		Dilution Factor: 1		Analysis Time..: 11:15	MDL.....:	
Total Coliform	ND	1.0	CFU/100m	SM18 9222B	08/19/04	4233335
		Dilution Factor: 1		Analysis Time..: 11:25	MDL.....:	

QC DATA ASSOCIATION SUMMARY

D4H190128

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4239328	4239371
	WATER	MCAWW 160.1		4237579	4241015
	WATER	MCAWW 160.2		4237223	4239383
	WATER	MCAWW 300.0A		4233327	4238302
	WATER	MCAWW 300.0A		4233324	4238308
	WATER	MCAWW 300.0A		4233326	4238301
	WATER	MCAWW 300.0A		4233325	4238305
	WATER	MCAWW 300.0A		4233323	4238304
	WATER	SW846 7470A		4232407	4233145
	WATER	SW846 8141A		4232589	
	WATER	SW846 8082		4237392	
	WATER	SW846 8081A		4237360	
	WATER	SW846 8260B		4240159	4240109
	WATER	SW846 8270C		4232599	
	WATER	SW846 6010B		4234058	4234027
	WATER	MCAWW 335.3		4240151	4240105
	WATER	MCAWW 410.4		4238442	4238251
002	WATER	SM18 9222D Fecal		4233332	
	WATER	SM18 9222B		4233335	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4H190128 Work Order #...: GN3PX1AA Matrix.....: WATER
MB Lot-Sample #: D4H270000-159

Prep Date.....: 08/26/04 Analysis Time..: 10:58
Analysis Date..: 08/26/04 Prep Batch #...: 4240159
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	0.22 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

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

:lient Lot #...: D4H190128 Work Order #...: GN3PX1AA Matrix.....: WATER

'ARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
'richlorofluoromethane	ND	2.0	ug/L	SW846 8260B
.,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
'inyl chloride	ND	1.0	ug/L	SW846 8260B
:ylenes (total)	ND	2.0	ug/L	SW846 8260B
ı-Butylbenzene	ND	1.0	ug/L	SW846 8260B
ıec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
:sopropylbenzene	ND	1.0	ug/L	SW846 8260B
.,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
.,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
ı-Propylbenzene	ND	1.0	ug/L	SW846 8260B
:ert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
›ibromochloromethane	ND	1.0	ug/L	SW846 8260B
:-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
ı-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
.,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
.,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
:,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
.,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Iexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
ı-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Iethyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
.,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
ı-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
›-Xylene	ND	1.0	ug/L	SW846 8260B
Iromobenzene	ND	1.0	ug/L	SW846 8260B
Iromochloromethane	ND	1.0	ug/L	SW846 8260B
Iaphthalene	ND	1.0	ug/L	SW846 8260B

;URROGATE	PERCENT RECOVERY	RECOVERY LIMITS
›ibromofluoromethane	94	(73 - 118)
.,2-Dichloroethane-d4	92	(62 - 128)
ı-Bromofluorobenzene	89	(78 - 118)
:oluene-d8	100	(77 - 117)

IOTE(S):

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

Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4H190128 Work Order #...: GN3PX1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H270000-159 GN3PX1AD-LCSD
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4240159 Analysis Time..: 10:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	90	(75 - 120)			SW846 8260B
	95	(75 - 120)	5.4	(0-21)	SW846 8260B
Chlorobenzene	99	(78 - 118)			SW846 8260B
	114	(78 - 118)	14	(0-20)	SW846 8260B
1,1-Dichloroethene	98	(66 - 132)			SW846 8260B
	94	(66 - 132)	3.7	(0-26)	SW846 8260B
Toluene	105	(78 - 118)			SW846 8260B
	118	(78 - 118)	11	(0-22)	SW846 8260B
Trichloroethene	86	(79 - 122)			SW846 8260B
	97	(79 - 122)	13	(0-23)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 118)
	96	(73 - 118)
1,2-Dichloroethane-d4	95	(62 - 128)
	92	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
	90	(78 - 118)
Toluene-d8	101	(77 - 117)
	102	(77 - 117)

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 #...: D4H190128 Work Order #...: GN3PX1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H270000-159 GN3PX1AD-LCSD
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4240159 Analysis Time..: 10:11
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	10.0	9.03	ug/L	90		SW846 8260B
	10.0	9.53	ug/L	95	5.4	SW846 8260B
Chlorobenzene	10.0	9.90	ug/L	99		SW846 8260B
	10.0	11.4	ug/L	114	14	SW846 8260B
1,1-Dichloroethene	10.0	9.81	ug/L	98		SW846 8260B
	10.0	9.45	ug/L	94	3.7	SW846 8260B
Toluene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	11.8	ug/L	118	11	SW846 8260B
Trichloroethene	10.0	8.55	ug/L	86		SW846 8260B
	10.0	9.70	ug/L	97	13	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 118)
	96	(73 - 118)
1,2-Dichloroethane-d4	95	(62 - 128)
	92	(62 - 128)
4-Bromofluorobenzene	89	(78 - 118)
	90	(78 - 118)
Toluene-d8	101	(77 - 117)
	102	(77 - 117)

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 #...: D4H190128 Work Order #...: GNLKT1AC-MS Matrix.....: WATER
MS Lot-Sample #: D4H200290-005 GNLKT1AD-MSD
Date Sampled...: 08/19/04 10:00 Date Received..: 08/20/04
Prep Date.....: 08/26/04 Analysis Date...: 08/26/04
Prep Batch #...: 4240159 Analysis Time..: 11:45
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	90	(75 - 120)			SW846 8260B
	92	(75 - 120)	1.6	(0-21)	SW846 8260B
Chlorobenzene	88	(78 - 118)			SW846 8260B
	100	(78 - 118)	2.8	(0-20)	SW846 8260B
1,1-Dichloroethene	87	(66 - 132)			SW846 8260B
	86	(66 - 132)	1.3	(0-26)	SW846 8260B
Toluene	105	(78 - 118)			SW846 8260B
	109	(78 - 118)	3.8	(0-22)	SW846 8260B
Trichloroethene	86	(79 - 122)			SW846 8260B
	88	(79 - 122)	1.6	(0-23)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 118)
	97	(73 - 118)
1,2-Dichloroethane-d4	94	(62 - 128)
	98	(62 - 128)
4-Bromofluorobenzene	86	(78 - 118)
	88	(78 - 118)
Toluene-d8	95	(77 - 117)
	98	(77 - 117)

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 #...: D4H190128 Work Order #...: GNLKT1AC-MS Matrix.....: WATER
MS Lot-Sample #: D4H200290-005 GNLKT1AD-MSD
Date Sampled...: 08/19/04 10:00 Date Received..: 08/20/04
Prep Date.....: 08/26/04 Analysis Date..: 08/26/04
Prep Batch #...: 4240159 Analysis Time..: 11:45
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	18	100	108	ug/L	90		SW846 8260B
	18	100	110	ug/L	92	1.6	SW846 8260B
Chlorobenzene	310	100	400	ug/L	88		SW846 8260B
	310	100	411	ug/L	100	2.8	SW846 8260B
1,1-Dichloroethene	ND	100	86.9	ug/L	87		SW846 8260B
	ND	100	85.8	ug/L	86	1.3	SW846 8260B
Toluene	2.6	100	107	ug/L	105		SW846 8260B
	2.6	100	112	ug/L	109	3.8	SW846 8260B
Trichloroethene	6.7	100	93.2	ug/L	86		SW846 8260B
	6.7	100	94.7	ug/L	88	1.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 118)
	97	(73 - 118)
1,2-Dichloroethane-d4	94	(62 - 128)
	98	(62 - 128)
4-Bromofluorobenzene	86	(78 - 118)
	88	(78 - 118)
Toluene-d8	95	(77 - 117)
	98	(77 - 117)

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

:lient Lot #...: D4H190128 Work Order #...: GNJNR1AA Matrix.....: WATER
IB Lot-Sample #: D4H190000-599

Prep Date.....: 08/19/04 Analysis Time..: 16:00

nalysis Date..: 08/24/04 Prep Batch #...: 4232599
ilution Factor: 1

'ARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
cenaphthene	ND	10	ug/L	SW846 8270C
cenaphthylene	ND	10	ug/L	SW846 8270C
cetophenone	ND	10	ug/L	SW846 8270C
:-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
-Aminobiphenyl	ND	50	ug/L	SW846 8270C
niline	ND	10	ug/L	SW846 8270C
nthracene	ND	10	ug/L	SW846 8270C
ramite	ND	20	ug/L	SW846 8270C
enzo(a)anthracene	ND	10	ug/L	SW846 8270C
enzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
enzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
enzo(ghi)perylene	ND	10	ug/L	SW846 8270C
enzo(a)pyrene	ND	10	ug/L	SW846 8270C
enzyl alcohol	ND	10	ug/L	SW846 8270C
is(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
is(2-Chloroethyl)- ether	ND	10	ug/L	SW846 8270C
is(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
utyl benzyl phthalate	ND	10	ug/L	SW846 8270C
-Chloroaniline	ND	10	ug/L	SW846 8270C
hlorobenzilate	ND	10	ug/L	SW846 8270C
-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
-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
hrysene	ND	10	ug/L	SW846 8270C
iallate	ND	20	ug/L	SW846 8270C
ibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
ibenzofuran	ND	10	ug/L	SW846 8270C
i-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

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNJNR1AA 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
Hexachlorocyclopenta-diene	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

:lient Lot #...: D4H190128 Work Order #...: GNJNR1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
:-Nitrophenol	ND	10	ug/L	SW846 8270C
,-Nitrophenol	ND	50	ug/L	SW846 8270C
ı-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
I-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
I-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
I-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
I-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
I-Nitrosodi-n-propylamine	ND	10	ug/L	SW846 8270C
I-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
I-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
I-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
I-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 #...: D4H190128 Work Order #...: GNJNR1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(36 - 110)
Phenol-d5	81	(39 - 109)
Nitrobenzene-d5	82	(47 - 107)
2-Fluorobiphenyl	77	(34 - 96)
2,4,6-Tribromophenol	74	(34 - 126)
Terphenyl-d14	93	(12 - 126)

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 #...: D4H190128 Work Order #...: GNJNR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-599 GNJNR1AD-LCSD
Prep Date.....: 08/19/04 Analysis Date..: 08/24/04
Prep Batch #...: 4232599 Analysis Time..: 16:27
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	85	(51 - 95)			SW846 8270C
	83	(51 - 95)	2.8	(0-28)	SW846 8270C
4-Chloro-3-methylphenol	88	(55 - 103)			SW846 8270C
	87	(55 - 103)	1.2	(0-28)	SW846 8270C
2-Chlorophenol	84	(56 - 99)			SW846 8270C
	84	(56 - 99)	0.30	(0-38)	SW846 8270C
1,4-Dichlorobenzene	74	(30 - 94)			SW846 8270C
	76	(30 - 94)	2.8	(0-50)	SW846 8270C
2,4-Dinitrotoluene	96	(55 - 101)			SW846 8270C
	92	(55 - 101)	4.9	(0-30)	SW846 8270C
4-Nitrophenol	76	(39 - 116)			SW846 8270C
	77	(39 - 116)	1.3	(0-53)	SW846 8270C
N-Nitrosodi-n-propyl-amine	77	(56 - 99)			SW846 8270C
	77	(56 - 99)	0.36	(0-27)	SW846 8270C
Pentachlorophenol	75	(43 - 109)			SW846 8270C
	75	(43 - 109)	0.95	(0-50)	SW846 8270C
Phenol	82	(54 - 100)			SW846 8270C
	81	(54 - 100)	2.1	(0-36)	SW846 8270C
Pyrene	90	(48 - 102)			SW846 8270C
	93	(48 - 102)	3.9	(0-33)	SW846 8270C
1,2,4-Trichloro-benzene	75	(36 - 94)			SW846 8270C
	75	(36 - 94)	0.26	(0-44)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(54 - 97)
	79	(54 - 97)
Phenol-d5	79	(57 - 100)
	79	(57 - 100)
Nitrobenzene-d5	77	(56 - 101)
	78	(56 - 101)
2-Fluorobiphenyl	76	(42 - 92)
	73	(42 - 92)
2,4,6-Tribromophenol	77	(54 - 107)
	78	(54 - 107)
Terphenyl-d14	91	(51 - 109)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNJNR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-599 GNJNR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(51 - 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 #...: D4H190128 Work Order #...: GNJNR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-599 GNJNR1AD-LCSD
Prep Date.....: 08/19/04 Analysis Date..: 08/24/04
Prep Batch #...: 4232599 Analysis Time..: 16:27
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	85.0	ug/L	85		SW846 8270C
	100	82.7	ug/L	83	2.8	SW846 8270C
4-Chloro-3-methylphenol	150	132	ug/L	88		SW846 8270C
	150	131	ug/L	87	1.2	SW846 8270C
2-Chlorophenol	150	126	ug/L	84		SW846 8270C
	150	126	ug/L	84	0.30	SW846 8270C
1,4-Dichlorobenzene	100	74.2	ug/L	74		SW846 8270C
	100	76.3	ug/L	76	2.8	SW846 8270C
2,4-Dinitrotoluene	100	96.2	ug/L	96		SW846 8270C
	100	91.6	ug/L	92	4.9	SW846 8270C
4-Nitrophenol	150	114	ug/L	76		SW846 8270C
	150	116	ug/L	77	1.3	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	76.6	ug/L	77		SW846 8270C
	100	76.9	ug/L	77	0.36	SW846 8270C
Pentachlorophenol	150	113	ug/L	75		SW846 8270C
	150	112	ug/L	75	0.95	SW846 8270C
Phenol	150	123	ug/L	82		SW846 8270C
	150	121	ug/L	81	2.1	SW846 8270C
Pyrene	100	89.7	ug/L	90		SW846 8270C
	100	93.2	ug/L	93	3.9	SW846 8270C
1,2,4-Trichloro-benzene	100	74.9	ug/L	75		SW846 8270C
	100	74.7	ug/L	75	0.26	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(54 - 97)
	79	(54 - 97)
Phenol-d5	79	(57 - 100)
	79	(57 - 100)
Nitrobenzene-d5	77	(56 - 101)
	78	(56 - 101)
2-Fluorobiphenyl	76	(42 - 92)
	73	(42 - 92)
2,4,6-Tribromophenol	77	(54 - 107)
	78	(54 - 107)
Terphenyl-d14	91	(51 - 109)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNJNR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-599 GNJNR1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(51 - 109)

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 #...: D4H190128 Work Order #...: GNRV51AA Matrix.....: WATER
MB Lot-Sample #: D4H240000-360

Prep Date.....: 08/24/04 Analysis Time..: 08:33
Analysis Date..: 08/29/04 Prep Batch #...: 4237360
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	97	(12 - 153)
Tetrachloro-m-xylene	70	(55 - 113)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNRV51AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H240000-360 GNRV51AD-LCSD
Prep Date.....: 08/24/04 Analysis Date..: 08/29/04
Prep Batch #...: 4237360 Analysis Time..: 08:50
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aldrin	81	(56 - 126)			SW846 8081A
	79	(56 - 126)	2.8	(0-30)	SW846 8081A
gamma-BHC (Lindane)	90	(72 - 126)			SW846 8081A
	89	(72 - 126)	0.75	(0-30)	SW846 8081A
4,4'-DDT	107	(76 - 135)			SW846 8081A
	103	(76 - 135)	3.1	(0-30)	SW846 8081A
Dieldrin	92	(80 - 132)			SW846 8081A
	91	(80 - 132)	2.0	(0-30)	SW846 8081A
Endrin	94	(63 - 144)			SW846 8081A
	91	(63 - 144)	3.1	(0-30)	SW846 8081A
Heptachlor	90	(63 - 124)			SW846 8081A
	88	(63 - 124)	1.5	(0-30)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(56 - 136)
	97	(56 - 136)
Tetrachloro-m-xylene	77	(49 - 111)
	75	(49 - 111)

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 #...: D4H190128 Work Order #...: GNRV51AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H240000-360 GNRV51AD-LCSD
Prep Date.....: 08/24/04 Analysis Date..: 08/29/04
Prep Batch #...: 4237360 Analysis Time..: 08:50
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Aldrin	0.500	0.405	ug/L	81		SW846 8081A
	0.500	0.393	ug/L	79	2.8	SW846 8081A
gamma-BHC (Lindane)	0.500	0.450	ug/L	90		SW846 8081A
	0.500	0.447	ug/L	89	0.75	SW846 8081A
4,4'-DDT	0.500	0.534	ug/L	107		SW846 8081A
	0.500	0.517	ug/L	103	3.1	SW846 8081A
Dieldrin	0.500	0.462	ug/L	92		SW846 8081A
	0.500	0.453	ug/L	91	2.0	SW846 8081A
Endrin	0.500	0.469	ug/L	94		SW846 8081A
	0.500	0.455	ug/L	91	3.1	SW846 8081A
Heptachlor	0.500	0.449	ug/L	90		SW846 8081A
	0.500	0.442	ug/L	88	1.5	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(56 - 136)
	97	(56 - 136)
Tetrachloro-m-xylene	77	(49 - 111)
	75	(49 - 111)

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 #...: D4H190128 Work Order #...: GNR081AA Matrix.....: WATER
4B Lot-Sample #: D4H240000-392

Prep Date.....: 08/24/04 Analysis Time..: 00:47
Analysis Date..: 08/26/04 Prep Batch #...: 4237392
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	74	(51 - 122)
Decachlorobiphenyl	93	(41 - 138)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNR081AC Matrix.....: WATER
LCS Lot-Sample#: D4H240000-392
Prep Date.....: 08/24/04 Analysis Date..: 08/26/04
Prep Batch #...: 4237392 Analysis Time..: 01:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	90	(58 - 128)	SW846 8082
Aroclor 1260	103	(69 - 140)	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(42 - 120)
Decachlorobiphenyl	99	(56 - 136)

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 #...: D4H190128 Work Order #...: GNR081AC Matrix.....: WATER
LCS Lot-Sample#: D4H240000-392
Prep Date.....: 08/24/04 Analysis Date..: 08/26/04
Prep Batch #...: 4237392 Analysis Time..: 01:10
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Aroclor 1016	2.00	1.80	ug/L	90	SW846 8082
Aroclor 1260	2.00	2.06	ug/L	103	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(42 - 120)
Decachlorobiphenyl	99	(56 - 136)

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 #...: D4H190128 Work Order #...: GNJNH1AA Matrix.....: WATER
MB Lot-Sample #: D4H190000-589

Prep Date.....: 08/19/04 Analysis Time..: 21:04
Analysis Date..: 08/23/04 Prep Batch #...: 4232589
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-Triethylphosphorothioate	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	90	(48 - 114)
Ethyl Pirimifos	78	(68 - 98)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: D4H190128 Work Order #...: GNJNH1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-589 GNJNH1AD-LCSD
Prep Date.....: 08/19/04 Analysis Date..: 08/23/04
Prep Batch #...: 4232589 Analysis Time..: 21:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Demeton (total)	94	(47 - 100)			SW846 8141A
	98	(47 - 100)	3.7	(0-40)	SW846 8141A
Diazinon	94	(70 - 103)			SW846 8141A
	102	(70 - 103)	8.2	(0-40)	SW846 8141A
Ethyl parathion	80	(49 - 122)			SW846 8141A
	84	(49 - 122)	5.6	(0-40)	SW846 8141A
Malathion	76	(56 - 106)			SW846 8141A
	80	(56 - 106)	5.6	(0-40)	SW846 8141A
Methyl parathion	86	(68 - 105)			SW846 8141A
	91	(68 - 105)	5.8	(0-40)	SW846 8141A
Phorate	88	(62 - 104)			SW846 8141A
	96	(62 - 104)	8.5	(0-40)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	86	(48 - 114)
	91	(48 - 114)
Ethyl Pirimifos	88	(68 - 98)
	94	(68 - 98)

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 #...: D4H190128 Work Order #...: GNJNH1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: D4H190000-589 GNJNH1AD-LCSD
Prep Date.....: 08/19/04 Analysis Date..: 08/23/04
Prep Batch #...: 4232589 Analysis Time..: 21:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Demeton (total)	4.00	3.78	ug/L	94		SW846 8141A
	4.00	3.92	ug/L	98	3.7	SW846 8141A
Diazinon	4.00	3.76	ug/L	94		SW846 8141A
	4.00	4.08	ug/L	102	8.2	SW846 8141A
Ethyl parathion	4.00	3.19	ug/L	80		SW846 8141A
	4.00	3.37	ug/L	84	5.6	SW846 8141A
Malathion	4.00	3.04	ug/L	76		SW846 8141A
	4.00	3.21	ug/L	80	5.6	SW846 8141A
Methyl parathion	4.00	3.45	ug/L	86		SW846 8141A
	4.00	3.66	ug/L	91	5.8	SW846 8141A
Phorate	4.00	3.52	ug/L	88		SW846 8141A
	4.00	3.83	ug/L	96	8.5	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Chlormefos	86	(48 - 114)
	91	(48 - 114)
Ethyl Pirimifos	88	(68 - 98)
	94	(68 - 98)

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

:lient Lot #...: D4H190128 Matrix.....: WATER

'ARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
ſB Lot-Sample #: D4H190000-407 Prep Batch #...: 4232407						
ſercury	ND	0.20	ug/L	SW846 7470A	08/20/04	GNKJ91AA
		Dilution Factor: 1				
		Analysis Time..: 17:03				
ſB Lot-Sample #: D4H210000-058 Prep Batch #...: 4234058						
ıluminum	ND	100	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AC
		Dilution Factor: 1				
		Analysis Time..: 19:23				
ıntimony	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AT
		Dilution Factor: 1				
		Analysis Time..: 15:39				
ırsenic	ND	15	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AD
		Dilution Factor: 1				
		Analysis Time..: 15:39				
;arium	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AE
		Dilution Factor: 1				
		Analysis Time..: 15:39				
;eryllium	ND	5.0	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AF
		Dilution Factor: 1				
		Analysis Time..: 19:23				
;oron	ND	100	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AG
		Dilution Factor: 1				
		Analysis Time..: 19:23				
:admium	0.36 B	5.0	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AH
		Dilution Factor: 1				
		Analysis Time..: 15:39				
:hromium	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AK
		Dilution Factor: 1				
		Analysis Time..: 15:39				
:obalt	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AJ
		Dilution Factor: 1				
		Analysis Time..: 15:39				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AL
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Iron	ND	100	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AM
		Dilution Factor: 1				
		Analysis Time..: 19:23				
Lead	ND	3.0	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AR
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Manganese	ND	10	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AN
		Dilution Factor: 1				
		Analysis Time..: 19:23				
Molybdenum	ND	20	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AP
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Nickel	ND	40	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AQ
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Selenium	ND	15	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AU
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Silver	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AA
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Thallium	ND	10	ug/L	SW846 6010B	08/24-08/27/04	GNM7M1AV
		Dilution Factor: 1				
		Analysis Time..: 15:39				
Zinc	ND	20	ug/L	SW846 6010B	08/24-08/25/04	GNM7M1AW
		Dilution Factor: 1				
		Analysis Time..: 19:23				

NOTE(S):

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

[Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4H190000-407 Prep Batch #...: 4232407					
Mercury	99	(84 - 114)	SW846 7470A	08/20/04	GNKJ91AC
		Dilution Factor: 1	Analysis Time..: 17:05		
LCS Lot-Sample#: D4H210000-058 Prep Batch #...: 4234058					
Silver	99	(85 - 114)	SW846 6010B	08/24-08/27/04	GNM7M1AX
		Dilution Factor: 1	Analysis Time..: 15:44		
Aluminum	104	(86 - 108)	SW846 6010B	08/24-08/25/04	GNM7M1A0
		Dilution Factor: 1	Analysis Time..: 19:27		
Arsenic	100	(89 - 109)	SW846 6010B	08/24-08/27/04	GNM7M1A1
		Dilution Factor: 1	Analysis Time..: 15:44		
Barium	107	(93 - 113)	SW846 6010B	08/24-08/27/04	GNM7M1A2
		Dilution Factor: 1	Analysis Time..: 15:44		
Beryllium	107	(88 - 112)	SW846 6010B	08/24-08/25/04	GNM7M1A3
		Dilution Factor: 1	Analysis Time..: 19:27		
Boron	101	(89 - 110)	SW846 6010B	08/24-08/25/04	GNM7M1A4
		Dilution Factor: 1	Analysis Time..: 19:27		
Cadmium	98	(89 - 110)	SW846 6010B	08/24-08/27/04	GNM7M1A5
		Dilution Factor: 1	Analysis Time..: 15:44		
Cobalt	99	(86 - 107)	SW846 6010B	08/24-08/27/04	GNM7M1A6
		Dilution Factor: 1	Analysis Time..: 15:44		
Chromium	101	(89 - 112)	SW846 6010B	08/24-08/27/04	GNM7M1A7
		Dilution Factor: 1	Analysis Time..: 15:44		
Copper	102	(86 - 110)	SW846 6010B	08/24-08/27/04	GNM7M1A8
		Dilution Factor: 1	Analysis Time..: 15:44		
Iron	107	(88 - 110)	SW846 6010B	08/24-08/25/04	GNM7M1A9
		Dilution Factor: 1	Analysis Time..: 19:27		
Manganese	105	(90 - 110)	SW846 6010B	08/24-08/25/04	GNM7M1CA
		Dilution Factor: 1	Analysis Time..: 19:27		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	99	(83 - 109)	SW846 6010B	08/24-08/27/04	GNM7M1CC
		Dilution Factor: 1	Analysis Time..: 15:44		
Nickel	99	(90 - 110)	SW846 6010B	08/24-08/27/04	GNM7M1CD
		Dilution Factor: 1	Analysis Time..: 15:44		
Lead	100	(91 - 111)	SW846 6010B	08/24-08/27/04	GNM7M1CE
		Dilution Factor: 1	Analysis Time..: 15:44		
Antimony	99	(88 - 108)	SW846 6010B	08/24-08/27/04	GNM7M1CF
		Dilution Factor: 1	Analysis Time..: 15:44		
Selenium	101	(88 - 110)	SW846 6010B	08/24-08/27/04	GNM7M1CG
		Dilution Factor: 1	Analysis Time..: 15:44		
Thallium	101	(88 - 108)	SW846 6010B	08/24-08/27/04	GNM7M1CH
		Dilution Factor: 1	Analysis Time..: 15:44		
Zinc	106	(85 - 110)	SW846 6010B	08/24-08/25/04	GNM7M1CJ
		Dilution Factor: 1	Analysis Time..: 19:27		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

:lient Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
.CS Lot-Sample#: D4H190000-407 Prep Batch #...: 4232407							
ercury	5.00	4.93	ug/L	99	SW846 7470A	08/20/04	GNKJ91AC
			Dilution Factor: 1		Analysis Time..: 17:05		
.CS Lot-Sample#: D4H210000-058 Prep Batch #...: 4234058							
ilver	50.0	49.4	ug/L	99	SW846 6010B	08/24-08/27/04	GNM7M1AX
			Dilution Factor: 1		Analysis Time..: 15:44		
luminum	2000	2080	ug/L	104	SW846 6010B	08/24-08/25/04	GNM7M1A0
			Dilution Factor: 1		Analysis Time..: 19:27		
rsenic	2000	1990	ug/L	100	SW846 6010B	08/24-08/27/04	GNM7M1A1
			Dilution Factor: 1		Analysis Time..: 15:44		
arium	2000	2140	ug/L	107	SW846 6010B	08/24-08/27/04	GNM7M1A2
			Dilution Factor: 1		Analysis Time..: 15:44		
eryllium	50.0	53.3	ug/L	107	SW846 6010B	08/24-08/25/04	GNM7M1A3
			Dilution Factor: 1		Analysis Time..: 19:27		
oron	1000	1010	ug/L	101	SW846 6010B	08/24-08/25/04	GNM7M1A4
			Dilution Factor: 1		Analysis Time..: 19:27		
:admium	50.0	48.9	ug/L	98	SW846 6010B	08/24-08/27/04	GNM7M1A5
			Dilution Factor: 1		Analysis Time..: 15:44		
:obalt	500	494	ug/L	99	SW846 6010B	08/24-08/27/04	GNM7M1A6
			Dilution Factor: 1		Analysis Time..: 15:44		
:hromium	200	201	ug/L	101	SW846 6010B	08/24-08/27/04	GNM7M1A7
			Dilution Factor: 1		Analysis Time..: 15:44		
:opper	250	256	ug/L	102	SW846 6010B	08/24-08/27/04	GNM7M1A8
			Dilution Factor: 1		Analysis Time..: 15:44		
ron	1000	1070	ug/L	107	SW846 6010B	08/24-08/25/04	GNM7M1A9
			Dilution Factor: 1		Analysis Time..: 19:27		
langanese	500	526	ug/L	105	SW846 6010B	08/24-08/25/04	GNM7M1CA
			Dilution Factor: 1		Analysis Time..: 19:27		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	1000	992	ug/L	99	SW846 6010B	08/24-08/27/04	GNM7M1CC
			Dilution Factor: 1		Analysis Time..: 15:44		
Nickel	500	495	ug/L	99	SW846 6010B	08/24-08/27/04	GNM7M1CD
			Dilution Factor: 1		Analysis Time..: 15:44		
Lead	500	498	ug/L	100	SW846 6010B	08/24-08/27/04	GNM7M1CE
			Dilution Factor: 1		Analysis Time..: 15:44		
Antimony	500	494	ug/L	99	SW846 6010B	08/24-08/27/04	GNM7M1CF
			Dilution Factor: 1		Analysis Time..: 15:44		
Selenium	2000	2020	ug/L	101	SW846 6010B	08/24-08/27/04	GNM7M1CG
			Dilution Factor: 1		Analysis Time..: 15:44		
Thallium	2000	2020	ug/L	101	SW846 6010B	08/24-08/27/04	GNM7M1CH
			Dilution Factor: 1		Analysis Time..: 15:44		
Zinc	500	528	ug/L	106	SW846 6010B	08/24-08/25/04	GNM7M1CJ
			Dilution Factor: 1		Analysis Time..: 19:27		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/10/04 15:41 Date Received..: 08/12/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H120299-001 Prep Batch #...: 4232407							
Mercury	98	(84 - 114)			SW846 7470A	08/20/04	GM13F1AL
	98	(84 - 114)	0.81	(0-10)	SW846 7470A	08/20/04	GM13F1AM
		Dilution Factor: 1					
		Analysis Time..: 17:09					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/10/04 15:41 Date Received..: 08/12/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H120299-001 Prep Batch #...: 4232407									
Mercury									
	ND	5.00	4.92	ug/L	98		SW846 7470A	08/20/04	GM13F1AL
	ND	5.00	4.88	ug/L	98	0.81	SW846 7470A	08/20/04	GM13F1AM

Dilution Factor: 1
Analysis Time..: 17:09

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 11:45 Date Received..: 08/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H180274-001 Prep Batch #...: 4232407							
Mercury	96	(84 - 114)			SW846 7470A	08/20/04	GNE0W1A4
	95	(84 - 114)	0.84	(0-10)	SW846 7470A	08/20/04	GNE0W1A5

Dilution Factor: 1
Analysis Time..: 17:38

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 11:45 Date Received...: 08/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H180274-001 Prep Batch #...: 4232407									
Mercury									
	ND	5.00	4.78	ug/L	96		SW846 7470A	08/20/04	GNE0W1A4
	ND	5.00	4.74	ug/L	95	0.84	SW846 7470A	08/20/04	GNE0W1A5

Dilution Factor: 1
Analysis Time..: 17:38

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H190128-001 Prep Batch #...: 4234058							
Aluminum	107	(83 - 119)			SW846 6010B	08/24-08/25/04	GNGH61CJ
	108	(83 - 119)	0.84	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61CK
		Dilution Factor: 1					
		Analysis Time..: 19:41					
Antimony	108	(81 - 124)			SW846 6010B	08/24-08/27/04	GNGH61DG
	108	(81 - 124)	0.58	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DH
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Arsenic	119	(84 - 124)			SW846 6010B	08/24-08/27/04	GNGH61CL
	119	(84 - 124)	0.43	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61CM
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Barium	93	(85 - 120)			SW846 6010B	08/24-08/27/04	GNGH61CN
	89	(85 - 120)	4.2	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61CP
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Beryllium	102	(79 - 121)			SW846 6010B	08/24-08/25/04	GNGH61CQ
	98	(79 - 121)	4.7	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61CR
		Dilution Factor: 1					
		Analysis Time..: 19:41					
Boron	97	(87 - 113)			SW846 6010B	08/24-08/25/04	GNGH61CT
	81 N	(87 - 113)	6.3	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61CU
		Dilution Factor: 1					
		Analysis Time..: 19:41					
Cadmium	121 N	(82 - 119)			SW846 6010B	08/24-08/27/04	GNGH61CV
	126 N	(82 - 119)	3.7	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61CW
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Chromium	121	(73 - 135)			SW846 6010B	08/24-08/27/04	GNGH61C1
	130	(73 - 135)	5.9	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61C2
		Dilution Factor: 1					
		Analysis Time..: 15:59					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received...: 08/19/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	118	(82 - 119)			SW846 6010B	08/24-08/27/04	GNGH61CX
	121 N	(82 - 119)	2.8	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61C0
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Copper	97	(82 - 129)			SW846 6010B	08/24-08/27/04	GNGH61C3
	92	(82 - 129)	5.7	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61C4
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Iron	100	(52 - 155)			SW846 6010B	08/24-08/25/04	GNGH61C5
	100	(52 - 155)	0.07	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61C6
		Dilution Factor: 1					
		Analysis Time..: 19:41					
Lead	116	(89 - 121)			SW846 6010B	08/24-08/27/04	GNGH61DE
	120	(89 - 121)	3.3	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DF
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Manganese	96	(79 - 121)			SW846 6010B	08/24-08/25/04	GNGH61C7
	76 N	(79 - 121)	5.9	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61C8
		Dilution Factor: 1					
		Analysis Time..: 19:41					
Molybdenum	116 N	(83 - 109)			SW846 6010B	08/24-08/27/04	GNGH61C9
	118 N	(83 - 109)	1.2	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DA
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Nickel	118	(84 - 120)			SW846 6010B	08/24-08/27/04	GNGH61DC
	122 N	(84 - 120)	3.3	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DD
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Selenium	119	(71 - 140)			SW846 6010B	08/24-08/27/04	GNGH61DJ
	118	(71 - 140)	1.4	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DK
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Silver	107	(75 - 141)			SW846 6010B	08/24-08/27/04	GNGH61CG
	101	(75 - 141)	6.0	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61CH
		Dilution Factor: 1					
		Analysis Time..: 15:59					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	107	(90 - 116)			SW846 6010B	08/24-08/27/04	GNGH61DL
	107	(90 - 116)	0.06	(0-25)	SW846 6010B	08/24-08/27/04	GNGH61DM
		Dilution Factor: 1					
		Analysis Time..: 15:59					
Zinc	108	(60 - 137)			SW846 6010B	08/24-08/25/04	GNGH61DN
	102	(60 - 137)	5.4	(0-25)	SW846 6010B	08/24-08/25/04	GNGH61DP
		Dilution Factor: 1					
		Analysis Time..: 19:41					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4H190128-001 Prep Batch #...: 4234058									
Aluminum									
	250	2000	2400	ug/L	107		SW846 6010B	08/24-08/25/04	GNGH61CJ
	250	2000	2420	ug/L	108	0.84	SW846 6010B	08/24-08/25/04	GNGH61CK
			Dilution Factor: 1						
			Analysis Time..: 19:41						
Antimony									
	ND	500	544	ug/L	108		SW846 6010B	08/24-08/27/04	GNGH61DG
	ND	500	541	ug/L	108	0.58	SW846 6010B	08/24-08/27/04	GNGH61DH
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Arsenic									
	ND	2000	2370	ug/L	119		SW846 6010B	08/24-08/27/04	GNGH61CL
	ND	2000	2380	ug/L	119	0.43	SW846 6010B	08/24-08/27/04	GNGH61CM
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Barium									
	21	2000	1870	ug/L	93		SW846 6010B	08/24-08/27/04	GNGH61CN
	21	2000	1800	ug/L	89	4.2	SW846 6010B	08/24-08/27/04	GNGH61CP
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Beryllium									
	0.87	50.0	52.1	ug/L	102		SW846 6010B	08/24-08/25/04	GNGH61CQ
	0.87	50.0	49.7	ug/L	98	4.7	SW846 6010B	08/24-08/25/04	GNGH61CR
			Dilution Factor: 1						
			Analysis Time..: 19:41						
Boron									
	1800	1000	2720	ug/L	97		SW846 6010B	08/24-08/25/04	GNGH61CT
	1800	1000	2560 N	ug/L	81	6.3	SW846 6010B	08/24-08/25/04	GNGH61CU
			Dilution Factor: 1						
			Analysis Time..: 19:41						
Cadmium									
	0.86	50.0	61.4 N	ug/L	121		SW846 6010B	08/24-08/27/04	GNGH61CV
	0.86	50.0	63.8 N	ug/L	126	3.7	SW846 6010B	08/24-08/27/04	GNGH61CW
			Dilution Factor: 1						
			Analysis Time..: 15:59						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 16:30 Date Received..: 08/19/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	48	500	637	ug/L	118		SW846 6010B	08/24-08/27/04	GNGH61DC
	48	500	658 N	ug/L	122	3.3	SW846 6010B	08/24-08/27/04	GNGH61DD
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Selenium									
	ND	2000	2390	ug/L	119		SW846 6010B	08/24-08/27/04	GNGH61DJ
	ND	2000	2360	ug/L	118	1.4	SW846 6010B	08/24-08/27/04	GNGH61DK
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Silver									
	ND	50.0	53.6	ug/L	107		SW846 6010B	08/24-08/27/04	GNGH61CG
	ND	50.0	50.5	ug/L	101	6.0	SW846 6010B	08/24-08/27/04	GNGH61CH
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Thallium									
	ND	2000	2130	ug/L	107		SW846 6010B	08/24-08/27/04	GNGH61DL
	ND	2000	2140	ug/L	107	0.06	SW846 6010B	08/24-08/27/04	GNGH61DM
			Dilution Factor: 1						
			Analysis Time..: 15:59						
Zinc									
	39	500	578	ug/L	108		SW846 6010B	08/24-08/25/04	GNGH61DN
	39	500	547	ug/L	102	5.4	SW846 6010B	08/24-08/25/04	GNGH61DP
			Dilution Factor: 1						
			Analysis Time..: 19:41						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: GNW5Q1AA		MB Lot-Sample #:	D4H250000-442	
	ND	20	mg/L	MCAWW 410.4	08/25/04	4238442
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Chloride		Work Order #: GNXKN1AA		MB Lot-Sample #:	D4H200000-327	
	ND	3.0	mg/L	MCAWW 300.0A	08/19/04	4233327
		Dilution Factor: 1				
		Analysis Time..: 13:32				
Fecal Coliform		Work Order #: GNVCT1AA		MB Lot-Sample #:	D4H200000-332	
	ND	1.0	CFU/100m	SM18 9222D Fecal	08/19/04	4233332
		Dilution Factor: 1				
		Analysis Time..: 11:15				
Fluoride		Work Order #: GNXKE1AA		MB Lot-Sample #:	D4H200000-326	
	ND	1.0	mg/L	MCAWW 300.0A	08/19/04	4233326
		Dilution Factor: 1				
		Analysis Time..: 13:32				
Nitrate		Work Order #: GNXK31AA		MB Lot-Sample #:	D4H200000-325	
	ND	0.50	mg/L	MCAWW 300.0A	08/19/04	4233325
		Dilution Factor: 1				
		Analysis Time..: 13:32				
Nitrite		Work Order #: GNXKT1AA		MB Lot-Sample #:	D4H200000-323	
	ND	0.50	mg/L	MCAWW 300.0A	08/19/04	4233323
		Dilution Factor: 1				
		Analysis Time..: 13:32				
Specific Conductance		Work Order #: GN2VG1AA		MB Lot-Sample #:	D4H260000-328	
	0.79 B	2.0	umhos/cm	MCAWW 120.1	08/26/04	4239328
		Dilution Factor: 1				
		Analysis Time..: 11:00				
Sulfate		Work Order #: GNXLA1AA		MB Lot-Sample #:	D4H200000-324	
	ND	5.0	mg/L	MCAWW 300.0A	08/19/04	4233324
		Dilution Factor: 1				
		Analysis Time..: 13:32				
Total Coliform		Work Order #: GNR141AA		MB Lot-Sample #:	D4H200000-335	
	ND	1.0	CFU/100m	SM18 9222B	08/19/04	4233335
		Dilution Factor: 1				
		Analysis Time..: 11:25				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: GN3MR1AA		MB Lot-Sample #:	D4H270000-151	
	ND	0.010	mg/L	MCAWW 335.3	08/26-08/27/04	4240151
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Dissolved Solids		Work Order #: GN5811AA		MB Lot-Sample #:	D4H240000-579	
	ND	10	mg/L	MCAWW 160.1	08/24/04	4237579
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Suspended Solids		Work Order #: GN2XL1AA		MB Lot-Sample #:	D4H240000-223	
	ND	4.0	mg/L	MCAWW 160.2	08/23/04	4237223
		Dilution Factor: 1				
		Analysis Time..: 21:35				

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

General Chemistry

Lot-Sample #...: D4H190128 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GNW5Q1AC-LCS/GNW5Q1AD-LCSD LCS Lot-Sample#: D4H250000-442					
	102	(86 - 114)			MCAWW 410.4	08/25/04	4238442
	101	(86 - 114)	0.96	(0-11)	MCAWW 410.4	08/25/04	4238442
		Dilution Factor: 1			Analysis Time..: 09:00		
Chloride		WO#:GNXKN1AC-LCS/GNXKN1AD-LCSD LCS Lot-Sample#: D4H200000-327					
	102	(90 - 110)			MCAWW 300.0A	08/19/04	4233327
	101	(90 - 110)	0.19	(0-10)	MCAWW 300.0A	08/19/04	4233327
		Dilution Factor: 1			Analysis Time..: 12:57		
Fluoride		WO#:GNXKE1AC-LCS/GNXKE1AD-LCSD LCS Lot-Sample#: D4H200000-326					
	104	(90 - 110)			MCAWW 300.0A	08/19/04	4233326
	104	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	08/19/04	4233326
		Dilution Factor: 1			Analysis Time..: 12:57		
Nitrate		WO#:GNXK31AC-LCS/GNXK31AD-LCSD LCS Lot-Sample#: D4H200000-325					
	99	(90 - 110)			MCAWW 300.0A	08/19/04	4233325
	99	(90 - 110)	0.25	(0-10)	MCAWW 300.0A	08/19/04	4233325
		Dilution Factor: 1			Analysis Time..: 12:57		
Nitrite		WO#:GNXKT1AC-LCS/GNXKT1AD-LCSD LCS Lot-Sample#: D4H200000-323					
	103	(90 - 110)			MCAWW 300.0A	08/19/04	4233323
	103	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	08/19/04	4233323
		Dilution Factor: 1			Analysis Time..: 12:57		
Specific Conductance		WO#:GN2VG1AD-LCS/GN2VG1AE-LCSD LCS Lot-Sample#: D4H260000-328					
	105	(89 - 109)			MCAWW 120.1	08/26/04	4239328
	104	(89 - 109)	1.0	(0-7.0)	MCAWW 120.1	08/26/04	4239328
		Dilution Factor: 1			Analysis Time..: 11:00		
Sulfate		WO#:GNXLA1AC-LCS/GNXLA1AD-LCSD LCS Lot-Sample#: D4H200000-324					
	102	(90 - 110)			MCAWW 300.0A	08/19/04	4233324
	102	(90 - 110)	0.34	(0-10)	MCAWW 300.0A	08/19/04	4233324
		Dilution Factor: 1			Analysis Time..: 12:57		
Total Dissolved Solids		WO#:GN5811AC-LCS/GN5811AD-LCSD LCS Lot-Sample#: D4H240000-579					
	95	(86 - 106)			MCAWW 160.1	08/24/04	4237579
	98	(86 - 106)	2.9	(0-20)	MCAWW 160.1	08/24/04	4237579
		Dilution Factor: 1			Analysis Time..: 17:00		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4H190128 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:GN2XL1AC-LCS/GN2XL1AD-LCSD				LCS Lot-Sample#: D4H240000-223	
	99	(86 - 114)			MCAWW 160.2	08/23/04	4237223
	97	(86 - 114)	2.8	(0-20)	MCAWW 160.2	08/23/04	4237223

Dilution Factor: 1 Analysis Time..: 21:35

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4H190128 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GNW5Q1AC-LCS/GNW5Q1AD-LCSD				LCS Lot-Sample#: D4H250000-442		
	100	102	mg/L	102		MCAWW 410.4	08/25/04	4238442
	100	101	mg/L	101	0.96	MCAWW 410.4	08/25/04	4238442
		Dilution Factor: 1				Analysis Time..: 09:00		
Chloride		WO#:GNXKN1AC-LCS/GNXKN1AD-LCSD				LCS Lot-Sample#: D4H200000-327		
	20.0	20.3	mg/L	102		MCAWW 300.0A	08/19/04	4233327
	20.0	20.3	mg/L	101	0.19	MCAWW 300.0A	08/19/04	4233327
		Dilution Factor: 1				Analysis Time..: 12:57		
Fluoride		WO#:GNXKE1AC-LCS/GNXKE1AD-LCSD				LCS Lot-Sample#: D4H200000-326		
	4.00	4.16	mg/L	104		MCAWW 300.0A	08/19/04	4233326
	4.00	4.16	mg/L	104	0.0	MCAWW 300.0A	08/19/04	4233326
		Dilution Factor: 1				Analysis Time..: 12:57		
Nitrate		WO#:GNXK31AC-LCS/GNXK31AD-LCSD				LCS Lot-Sample#: D4H200000-325		
	4.00	3.96	mg/L	99		MCAWW 300.0A	08/19/04	4233325
	4.00	3.95	mg/L	99	0.25	MCAWW 300.0A	08/19/04	4233325
		Dilution Factor: 1				Analysis Time..: 12:57		
Nitrite		WO#:GNXKT1AC-LCS/GNXKT1AD-LCSD				LCS Lot-Sample#: D4H200000-323		
	4.00	4.13	mg/L	103		MCAWW 300.0A	08/19/04	4233323
	4.00	4.13	mg/L	103	0.0	MCAWW 300.0A	08/19/04	4233323
		Dilution Factor: 1				Analysis Time..: 12:57		
Specific Conductance		WO#:GN2VG1AD-LCS/GN2VG1AE-LCSD				LCS Lot-Sample#: D4H260000-328		
	1410	1480	umhos/cm	105		MCAWW 120.1	08/26/04	4239328
	1410	1470	umhos/cm	104	1.0	MCAWW 120.1	08/26/04	4239328
		Dilution Factor: 1				Analysis Time..: 11:00		
Sulfate		WO#:GNXLA1AC-LCS/GNXLA1AD-LCSD				LCS Lot-Sample#: D4H200000-324		
	20.0	20.4	mg/L	102		MCAWW 300.0A	08/19/04	4233324
	20.0	20.3	mg/L	102	0.34	MCAWW 300.0A	08/19/04	4233324
		Dilution Factor: 1				Analysis Time..: 12:57		
Total Dissolved Solids		WO#:GN5811AC-LCS/GN5811AD-LCSD				LCS Lot-Sample#: D4H240000-579		
	500	477	mg/L	95		MCAWW 160.1	08/24/04	4237579
	500	491	mg/L	98	2.9	MCAWW 160.1	08/24/04	4237579
		Dilution Factor: 1				Analysis Time..: 17:00		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4H190128 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		WO#:GN2XL1AC-LCS/GN2XL1AD-LCSD				LCS Lot-Sample#: D4H240000-223		
	147	146	mg/L	99		MCAWW 160.2	08/23/04	4237223
	147	142	mg/L	97	2.8	MCAWW 160.2	08/23/04	4237223

Dilution Factor: 1 Analysis Time..: 21:35

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: GN3MR1AC	LCS Lot-Sample#: D4H270000-151		
	95	(89 - 109)	MCAWW 335.3	08/26-08/27/04	4240151
		Dilution Factor: 1	Analysis Time..: 09:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			Work Order #: GN3MR1AC		LCS Lot-Sample#: D4H270000-151		
	0.100	0.0946	mg/L	95	MCAWW 335.3	08/26-08/27/04	4240151
			Dilution Factor: 1		Analysis Time..: 09:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 09:00 Date Received..: 08/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GM4TX1AF-MS/GM4TX1AG-MSD				MS Lot-Sample #: D4H130309-001	
	79	(74 - 109)			MCAWW 410.4	08/25/04	4238442
	80	(74 - 109)	0.51	(0-11)	MCAWW 410.4	08/25/04	4238442
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Chloride		WO#: GNF1V1DJ-MS/GNF1V1DK-MSD				MS Lot-Sample #: D4H180376-001	
	99	(80 - 120)			MCAWW 300.0A	08/19/04	4233327
	98	(80 - 120)	0.27	(0-20)	MCAWW 300.0A	08/19/04	4233327
		Dilution Factor: 1					
		Analysis Time..: 15:38					
Fluoride		WO#: GNF1V1DG-MS/GNF1V1DH-MSD				MS Lot-Sample #: D4H180376-001	
	103	(80 - 120)			MCAWW 300.0A	08/19/04	4233326
	103	(80 - 120)	0.15	(0-20)	MCAWW 300.0A	08/19/04	4233326
		Dilution Factor: 1					
		Analysis Time..: 14:44					
Nitrate		WO#: GNF1V1DN-MS/GNF1V1DP-MSD				MS Lot-Sample #: D4H180376-001	
	105 I	(80 - 120)			MCAWW 300.0A	08/19/04	4233325
	106 I	(80 - 120)	0.15	(0-20)	MCAWW 300.0A	08/19/04	4233325
		Dilution Factor: 1					
		Analysis Time..: 14:44					
Nitrite		WO#: GNF1V1DL-MS/GNF1V1DM-MSD				MS Lot-Sample #: D4H180376-001	
	103	(80 - 120)			MCAWW 300.0A	08/19/04	4233323
	104	(80 - 120)	0.19	(0-20)	MCAWW 300.0A	08/19/04	4233323
		Dilution Factor: 1					
		Analysis Time..: 14:44					
Sulfate		WO#: GNF1V1DT-MS/GNF1V1DU-MSD				MS Lot-Sample #: D4H180376-001	
	95 I	(80 - 120)			MCAWW 300.0A	08/19/04	4233324
	93 I	(80 - 120)	0.66	(0-20)	MCAWW 300.0A	08/19/04	4233324
		Dilution Factor: 1					
		Analysis Time..: 15:38					
Total Cyanide		WO#: GNFE01AP-MS/GNFE01AQ-MSD				MS Lot-Sample #: D4H180332-001	
	94	(78 - 120)			MCAWW 335.3	08/26-08/27/04	4240151
	93	(78 - 120)	1.2	(0-20)	MCAWW 335.3	08/26-08/27/04	4240151
		Dilution Factor: 1					
		Analysis Time..: 09:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4H190128 Matrix.....: WATER
Date Sampled...: 08/17/04 09:00 Date Received..: 08/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GM4TX1AF-MS/GM4TX1AG-MSD				MS Lot-Sample #: D4H130309-001		
	87	50.0	126	mg/L	79		MCAWW 410.4	08/25/04	4238442
	87	50.0	127	mg/L	80	0.51	MCAWW 410.4	08/25/04	4238442
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Chloride			WO#: GNF1V1DJ-MS/GNF1V1DK-MSD				MS Lot-Sample #: D4H180376-001		
	62	125	185	mg/L	99		MCAWW 300.0A	08/19/04	4233327
	62	125	184	mg/L	98	0.27	MCAWW 300.0A	08/19/04	4233327
			Dilution Factor: 1						
			Analysis Time..: 15:38						
Fluoride			WO#: GNF1V1DG-MS/GNF1V1DH-MSD				MS Lot-Sample #: D4H180376-001		
	1.2	5.00	6.38	mg/L	103		MCAWW 300.0A	08/19/04	4233326
	1.2	5.00	6.39	mg/L	103	0.15	MCAWW 300.0A	08/19/04	4233326
			Dilution Factor: 1						
			Analysis Time..: 14:44						
Nitrate			WO#: GNF1V1DN-MS/GNF1V1DP-MSD				MS Lot-Sample #: D4H180376-001		
	7.8	5.00	13.0 I	mg/L	105		MCAWW 300.0A	08/19/04	4233325
	7.8	5.00	13.0 I	mg/L	106	0.15	MCAWW 300.0A	08/19/04	4233325
			Dilution Factor: 1						
			Analysis Time..: 14:44						
Nitrite			WO#: GNF1V1DL-MS/GNF1V1DM-MSD				MS Lot-Sample #: D4H180376-001		
	ND	5.00	5.17	mg/L	103		MCAWW 300.0A	08/19/04	4233323
	ND	5.00	5.18	mg/L	104	0.19	MCAWW 300.0A	08/19/04	4233323
			Dilution Factor: 1						
			Analysis Time..: 14:44						
Sulfate			WO#: GNF1V1DT-MS/GNF1V1DU-MSD				MS Lot-Sample #: D4H180376-001		
	180	125	301 I	mg/L	95		MCAWW 300.0A	08/19/04	4233324
	180	125	299 I	mg/L	93	0.66	MCAWW 300.0A	08/19/04	4233324
			Dilution Factor: 1						
			Analysis Time..: 15:38						
Total Cyanide			WO#: GNFE01AP-MS/GNFE01AQ-MSD				MS Lot-Sample #: D4H180332-001		
	ND	0.100	0.0938	mg/L	94		MCAWW 335.3	08/26-08/27/04	4240151
	ND	0.100	0.0927	mg/L	93	1.2	MCAWW 335.3	08/26-08/27/04	4240151
			Dilution Factor: 1						
			Analysis Time..: 09:00						

OTE(S):

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

Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4H190128 Work Order #...: GNF1K-SMP Matrix.....: WATER
GNF1K-DUP
Date Sampled...: 08/18/04 12:40 Date Received..: 08/18/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D4H180374-001		
	ND	ND	mg/L	0	(0-20)	MCAWW 160.2	08/23/04	4237223

Dilution Factor: 1 Analysis Time..: 21:35

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4H190128 Work Order #...: GNGW4-SMP Matrix.....: WATER
GNGW4-DUP
Date Sampled...: 08/17/04 15:21 Date Received..: 08/19/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4H190177-006	
	3000	3000	mg/L	0.97	(0-20)	MCAWW 160.1	08/24/04	4237579

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4H190128 Work Order #...: GNFGV-SMP GNFGV-DUP Matrix.....: WATER

Date Sampled...: 08/15/04 15:00 Date Received..: 08/18/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D4H180320-018		
	330 J	350	umhos/cm	5.0	(0-7.0)	MCAWW 120.1	08/26/04	4239328
			Dilution Factor: 1			Analysis Time..: 11:00		

NOTE(S):

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

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

Custody Record

8/19/04

TRENT Severn Trent Laboratories, Inc.

4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: COOK JOYCE INC	Project Manager: Doug Granger / Gail DeRuzzo	Date: 8-17-04	Chain of Custody Number: 310746
Address: 812 W 11th	Telephone Number (Area Code)/Fax Number: 512-474-9097	Lab Number	Page 1 of 1
City: AUSTIN / State: TX / Zip Code	Site Contact: Doug Granger	Lab Contact: Gail DeRuzzo	
Project Name and Location (State): Lockwood	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 54609-A			

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	Hexane	Volatiles	Semivolatiles	Metals	OC Pesticides/PCB	OP Pesticides	PCB	Cyanide	COD	TSS	Chloride	Fecal coliform	Total coliform	Special Instructions/ Conditions of Receipt
MW2	8-17-04	1630		X				8	1	1	3	1			X	X	X	X	X	X	X	X	X	X			
MW2	8-18-04	1238												2											X	X	
N													N														
A															A												
Sampled By C Book / J. abney																											

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)

1. Relinquished By	Date: 8-18-04	Time: 1400	1. Received By	Date: 8/19/04	Time: 0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

LES-05264

Custody Record

8/19/04

Severn Trent Laboratories, Inc.
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: COOK JOYCE INC	Project Manager: Doug Granger / Gail DeRuzzo	Date: 8-17-04	Chain of Custody Number: 310746
Address: 812 W 11th	Telephone Number (Area Code) Fax Number: 512-474-9097	Lab Number	Page 1 of 1
City: AUSTIN; State: TX; Zip Code	Site Contact: Doug Granger	Lab Contact: Gail DeRuzzo	
Project Name and Location (State): Lockwood	Carrier/Waybill Number		
Contract/Purchase Order/Quote No: 54609-A			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil		Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	Volatiles	Semivolatiles	Metals	OC Pesticides/PCB	OP Pesticides	PCB	Cyanide	COD	TSS	General Chemistry	Fecal coliform	Total coliform	Special Instructions/ Conditions of Receipt
MW2	8-17-04	1630		X				8	1	1	3	1			X	X	X	X	X	X	X	X	X	X			
MW2	8-18-04	1238												2											X	X	
N													N														
A															A												

Sampled by C Book / J. Abney

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)

1. Relinquished By	Date 8-18-04	Time 1400	1. Received By	Date 8/19/04	Time 0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Company: SEP 16 2004 LES Spartanburg

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

LES-05265