[redacted] ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #: 4625

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Waste Management

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: G. Van Ness Burbach, Ph.D., P.G. Phone: (336) 323-0092

E-mail: vburbach@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Piedmont Landfill and Recycling Center	9900 Freeman Road Kernersville, NC	34-06	.1600	March 19-20, 2008

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☒ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☒ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Alexander Lacsamana, PE	Project Manager, Closed Sites	(770) 805-3366
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: Alexander Lacsamana Date: 5/15/08

Affix NC Licensed/ Professional Geologist Seal

RECEIVED MAY 21 2008 SOLID WASTE NC

Revised 10/2006

WASTE MANAGEMENT

WASTE MANAGEMENT SOUTHERN GROUP
2859 Paces Ferry Road SE, Suite 1600
Atlanta, GA 30339
(770) 805-4130

May 20, 2008

NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646
Attn: Ms. Jaclynne Drummond

Re: First 2008 Semiannual Detection and Assessment Groundwater Monitoring Event
Piedmont Landfill and Recycling Center, Kernersville, North Carolina
Permit Number 34-06

Dear Ms. Drummond:

Please find enclosed one original copy of the report documenting the First Semiannual Detection and Assessment Monitoring Event of 2008 for the above-referenced facility. Samples were collected by Professional Technical Support Services (ProTech) on March 19-20, 2008. The samples were transported to the Test America, Inc. laboratory in Denver, Colorado for analysis.

The Piedmont Landfill and Recycling Center is a closed municipal solid waste that last received waste in 2004 and entered into post closure care in accordance with Rule .1627(d) of the North Carolina Solid Waste Management Regulations (NCSWMR) as of October 29, 2004. All points at the facility are currently being monitored under a Detection Monitoring Program under Rule .1633 of the NCSWMR, except for MW-9R, which is under an Assessment Monitoring Program in accordance with Rule .1634 of the NCSWMR.

This letter also serves as notification that we have a confirmed statistically significant increase in monitoring well MW-02 of vinyl chloride and benzene. This is consistent with previous results. An Alternate Source Demonstration (ASD) for the volatile organic constituents detected in MW-02 was submitted in March 2008 and accepted by the Department of Environmental and Natural Resources (DENR) in a letter dated May 7, 2008. A copy of this letter will be placed into the site's operating record in accordance with Rule .1633(c)(1) of the NCSWMR.

The next sampling event is scheduled for the third quarter of 2008. If you have any questions or concerns regarding this report, please call me at (770) 805-3366.

Sincerely,

Waste Management of Carolinas, Inc.

RECEIVED
MAY 21 2008
SOLID WASTE SECTION

Alexander Lacsamana, P.E.
Project Manager, Closed Sites

enclosure

cc: March Smith, WMCI (w/o enclosure)
Van Burbach, Ph.D., P.G. – JEI

From everyday collection to environmental protection, Think Green® Think Waste Management.

Printed on 100% post-consumer recycled paper.

Prepared For:

Piedmont Landfill & Recycling Center
9900 Freeman Road
Kernersville, North Carolina 27284
Permit No. 34-06

WASTE MANAGEMENT

DENR RECEIVED MAY 21 WASTE SECTION

FIRST SEMIANNUAL DETECTION AND ASSESSMENT GROUNDWATER MONITORING EVENT FOR 2008

PIEDMONT LANDFILL & RECYCLING CENTER

PERMIT # 34-06

MAY 2008

Prepared By:

JOYCE ENGINEERING, INC.

2211 West Meadowview Road, Suite 101
Greensboro, North Carolina 27407
Phone: (336) 323-0092
Fax: (336) 323-0093

[redacted] ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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Waste Management

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: G. Van Ness Burbach, Ph.D., P.G. Phone: (336) 323-0092

E-mail: vburbach@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
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☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
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Alexander Lacsamana, PE	Project Manager, Closed Sites	(770) 805-3366
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Alexander Lacsamana 5/15/08

Signature Date

Revised 10/2006

FIRST SEMIANNUAL DETECTION AND ASSESSMENT GROUNDWATER MONITORING EVENT FOR 2008

PIEDMONT LANDFILL & RECYCLING CENTER

PERMIT # 34-06

MAY 2008

Prepared by:

JOYCE ENGINEERING, INC.

2211 West Meadowview Road, Suite 101
Greensboro, North Carolina 27407

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST G. VAN NESS BURBACH

Prepared by: _____
G. Van Ness Burbach, Ph.D., P.G.
NC License # 1349

Reviewed by: _____
Michelle M. Brown

ENGINEERING, INC.

Waste Industry Experts

Joyce Engineering, Inc
2211 W. Meadowview Road
Suite 101
Greensboro, NC 27407

tel: 336/323-0092
fax: 336/323-0093

www.JoyceEngineering.com

May 19, 2008

Mr. Alexander Lacsamana, P.E.
Project Manager, Closed Sites
Waste Management
2859 Paces Ferry Road, Suite 1600
Atlanta, Georgia 30339

RE: First Semiannual Groundwater Monitoring Report of 2008
Piedmont Landfill & Recycling Center
Permit Number 34-06
JEI Project No. 392.00, Task 72

Dear Mr. Lacsamana,

The purpose of this report is to provide you with a complete submittal to satisfy the groundwater monitoring compliance requirements for the closed Piedmont Landfill and Recycling Center's first semiannual groundwater monitoring event of 2008. This report may also serve to fulfill the notification requirements of Rule .1634 (g) of the North Carolina Solid Waste Management Regulations (NCSWMR).

Sampling for the event was performed on March 19-20, 2008 by Pro-Tech. During this semiannual event, all of the site compliance wells and surface water monitoring points were sampled and analyzed for the NC Appendix II list of constituents. The site leachate was also sampled during this event for the required list of parameters. The laboratory analytical reports, field data sheets, and chains of custody are provided as *Appendix A* of this letter report.

MONITORING PROGRAM HISTORY

The site entered into an Assessment Monitoring Program for background wells MW-1 and MW-6 and downgradient well MW-9 after volatile organic constituents were detected in MW-9 during the second semiannual event of 1996. Two organic compounds (chloroethane and 1,1-dichloroethane) were historically detected in monitoring well MW-9. Chloroethane exhibited a declining trend to the point where cholorethane was reported at less than the laboratory reporting limit during the January 1998 sampling event. The concentration of 1,1-dichloroethane in MW-9 also decreased below the laboratory reporting limit during the July 1998 sampling event. Per receipt of approval from the North Carolina Department of Environment and Natural Resources

(NC DENR), all wells at the site reverted to the Detection Monitoring Program as of the second semiannual event in 1999, as allowed by 15A NCAC 13B.1634 (b).

Monitoring well MW-9 was replaced by well MW-9R in November 1999. No chloroethane concentration above the laboratory reporting limit or SWSL has been detected in MW-9R since the well was installed; however, 1,1-dichloroethane was detected in MW-9R at a concentration of 23 μg/L during the initial sampling event conducted in January 2000. The concentration of 1,1-dichlorothane has remained relatively consistent during recent events, ranging in concentration from 7 μg/L to 28 μg/L. The constituent cis-1,2-dichloroethene was detected in MW-9R above the laboratory reporting limit for the first time during the July 2002 event at a concentration of 6.5 μg/L, and has been detected at concentrations ranging from 5-28 μg/L since that time.

Due to the detection of 1,1-dichloroethane in MW-9R during the first semiannual event in 2000, the site performed Assessment Monitoring on wells MW-1, MW-6, and MW-9R through the second semiannual event of 2001. Following NC DENR approval of an August 20, 2001 request by Waste Management, MW-1 and MW-6 again reverted to Detection Monitoring. Monitoring well MW-9R will continue to be sampled for the NC Appendix I list of constituents plus detected Appendix II constituents during the first semiannual event each year and NC Appendix II list of constituents during the second semiannual event each year as long as statistically significant increases continue to be present.

The presence of organic constituents in MW-9 and MW-9R is attributed to landfill gas (LFG). The landfill gas network was expanded in this area in January 2003, and the concentrations of organic constituents in this well are expected to decrease over time as a result.

In the September 2006 sampling event, benzene and vinyl chloride were detected in MW-02 at concentrations in exceedance of NC-2L groundwater standards. A resampling event confirmed the vinyl chloride, but not the benzene exceedance. An *Alternate Source Demonstration* (ASD) was submitted to DENR on March 14, 2008. The ASD was accepted by DENR in a letter dated May 7, 2008. The ASD demonstrated that the organic constituents detected in MW-02 are related to LFG impacts. In January 2008, improvements to the active LFG recovery system at the site were instigated to help mitigate these impacts.

STATISTICAL ANALYSIS SUMMARY

The results of the statistical analysis of the March 2008 groundwater monitoring event are summarized below and in *Table 1*. The detailed statistical analysis for this event is provided as *Appendix B*. The data for each inorganic parameter were statistically compared to historical data for each well using an intrawell approach, in accordance with the facility's statistical analysis plan, EPA guidance document ("*Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance*" July 1992), and ASTM standard D6312-98

("*Standard Guide for Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*"). Statistical analyses for inorganic constituents were completed using the combined Shewhart-CUSUM control chart method. Organic constituents were directly compared to 15A NCAC 2L Groundwater Standards (NC 2L) or to the North Carolina Department of Environmental and Natural Resources (DENR) Solid Waste Section Limits (SWSL).

Detection Monitoring Event

MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-4D, MW-11D, MW-12D, and Surface Water Sampling Points: S-01, S-02, S-03, S-04, and S-05

During the first semiannual event of 2008, fourteen detection monitoring wells and five surface water points were sampled for the NC Appendix I list of constituents. The analytical results for the March 2008 event are provided in *Appendix A* of this report. Quantified detections (above the SWSL) are summarized in *Table 1*.

Inorganic Constituents

Inorganic constituents with quantified detections in one or more groundwater or surface water sample included; barium in MW-02; chromium in MW-03 and MW-04D, and zinc in MW-04D, MW-11, and MW-11D. None of these detections were above the NC-2L groundwater standards or groundwater protection standards (GPS), and none were statistically significant increases (SSI's) above background. No other Appendix I inorganic constituents were detected above the SWSL in any detection monitoring well or surface water sample during the March 2008 sampling event.

Organic Constituents

Two organic constituents, benzene (1.4 μg/L) and vinyl chloride (1.4 μg/L), were detected at quantifiable concentrations in MW-02 during the March 2008 sampling event. Both of these detections represented NC-2L exceedances. There were no other organic constituents detected in any of the detection monitoring wells or surface water samples during the March 2008 sampling event.

The detections of benzene and vinyl chloride in MW-02 at concentrations in exceedance of NC-2L groundwater standards are consistent with the results from the September 2007 sampling event, which were addressed in the ASD submitted on March 14, 2008, and accepted by DENR on May 7, 2008. The ASD demonstrated that the organic constituents detected in MW-02 are related to LFG impacts. In January 2008, improvements to the active LFG recovery system at the site were instigated to help mitigate these impacts. The March 2008 results indicate

that there has not yet been enough time elapsed for the improvements to the LFG system to effectively mitigate the LFG impacts to groundwater near MW-02.

Assessment Monitoring Event

MW -9R:

During the first semiannual event of 2008, MW-9R was sampled for the NC Appendix I list of constituents. There are no detected Appendix II constituents reported for this well at this time. The full Appendix II sampling event will be conducted during the second semiannual event of 2008. The analytical results for the March 2008 event are provided in *Appendix A* to this letter report and the detected constituents are summarized in *Table 1*.

Inorganic Constituents

The only inorganic constituent with a quantified detection in MW-9R was zinc. This detection was not above the NC-2L standard nor was it a SSI above background.

Organic Constituents

The only organic constituent with a quantified detection in MW-9R for the March 2008 sampling event was 1,1-dichloroethane. This detection was not above the NC-2L standard. This is consistent with historical results, as discussed above. Well MW-9R will continue to be monitored in accordance with the Assessment Monitoring Program in future events.

SUBMITTAL OF LEACHATE ANALYTICAL DATA

Appendix A to this report contains the leachate monitoring results for March 2008 as requested in the Solid Waste Section memo dated November 13, 1996. The leachate was analyzed for NC Appendix I constituents, alkalinity, carbonate alkalinity, bicarbonate alkalinity, TDS, TOC, chloride, ammonia, sulfate, nitrate, phosphate, BOD, COD, TSS, mercury, indicator metals (calcium, iron, magnesium, manganese, sodium, and potassium), and the required field parameters.

SUBMITTAL OF GROUNDWATER MAP AND FLOW CALCULATIONS

Appendix C to this report contains the groundwater surface contour map and groundwater flow rates for this event. In summary, the March 2008 sampling results and groundwater flow assessment indicate that the site monitoring network is effective in monitoring for the release of solid waste constituents to the environment.

CLOSURE

The site will continue to be monitored in accordance with the site's modified Assessment Monitoring Program. The next monitoring event for the closed Piedmont Landfill and Recycling Center is scheduled for the third quarter of 2008. If you have any questions, feel free to contact me at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

G. Van Ness Burbach, PhD, P.G.
Technical Consultant

Attachments: Table 1 – Summary of Detected Constituents
Appendix A – Laboratory Analytical Reports
Appendix B – Groundwater Statistical Analyses
Appendix C – Groundwater Flow Regime Report

C: Steve Clarke, Waste Management
JEI File

TABLE

TABLE 1:
Detected Constituents
March 19-20, 2008 Sampling Event

WELL ID	PARAMETER	RESULT	UNITS	SWSL	NC 2L
3406-MW02	Barium	130	µg/L	100	2000
3406-MW02	Benzene	1.4	µg/L	1	1
3406-MW02	Vinyl chloride	1.4	µg/L	1	0.015
3406-MW03	Chromium	13	µg/L	10	50
3406-MW04D	Chromium	12	µg/L	10	50
3406-MW04D	Zinc	27	µg/L	10	1050
3406-MW09R	1,1-Dichloroethane	6.3	µg/L	5	70
3406-MW09R	Zinc	15	µg/L	10	1050
3406-MW11	Zinc	12	µg/L	10	1050
3406-MW11D	Zinc	10	µg/L	10	1050

SWSL = NC DENR Solid Waste Section Limits
NC 2L = 15A-NCAC-2L Groundwater Standards
This table includes all NC Appendix I or II constituent detections that were quantified above the SWSL.
Estimated and blank-qualified detections are excluded.

APPENDIX A – PART 1

LABORATORY ANALYTICAL RESULTS

Monitoring Wells

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Project No. Site 134

Piedmont Landfill

Lot #: D8C210307

Groundwater

Mark Snyder

Waste Management Inc.
Southern Area
2859 Paces Ferry Road Suite 1600
Atlanta, GA 30339

Cc: Van Burbach

TestAmerica Denver
North Carolina Certification # 358

Betsy Sara
Project Manager

April 11, 2008

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.*	126

- **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**

Lot #: D8C210307

Organics

The sample 3406-MW05 was screened and was positive for residual chlorine. Per the North Carolina QAS, the sample was preserved with sodium thiosulfate prior to Method 8260B analysis.

EXECUTIVE SUMMARY - Detection Highlights

D8C210307

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
3406-MW07 03/19/08 14:50 005				
Copper	1.7 B	10	ug/L	SW846 6020
Zinc	2.5 B	10	ug/L	SW846 6020
Barium	4.6 B	100	ug/L	SW846 6010B
Vanadium	5.5 B	25	ug/L	SW846 6010B
3406-MW10 03/19/08 14:23 006				
Zinc	4.2 B	10	ug/L	SW846 6020
Barium	5.8 B	100	ug/L	SW846 6010B
Vanadium	4.6 B	25	ug/L	SW846 6010B
Chromium	3.3 B	10	ug/L	SW846 6010B
1,1-Dichloroethene	0.14 J	5.0	ug/L	SW846 8260B
Methylene chloride	0.33 J,B	1.0	ug/L	SW846 8260B
3406-MW02 03/19/08 13:58 007				
Zinc	8.7 B	10	ug/L	SW846 6020
Barium	130	100	ug/L	SW846 6010B
Benzene	1.4	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.73 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.24 J	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.55 J	5.0	ug/L	SW846 8260B
Ethylbenzene	0.20 J	1.0	ug/L	SW846 8260B
Methylene chloride	0.77 J,B	1.0	ug/L	SW846 8260B
Vinyl chloride	1.4	1.0	ug/L	SW846 8260B
Xylenes (total)	1.2 J	5.0	ug/L	SW846 8260B
3406-MW06 03/19/08 13:29 008				
Zinc	8.3 B	10	ug/L	SW846 6020
Barium	37 B	100	ug/L	SW846 6010B
3406-MW01 03/19/08 13:10 009				
Copper	0.59 B	10	ug/L	SW846 6020
Zinc	5.5 B	10	ug/L	SW846 6020
Barium	46 B	100	ug/L	SW846 6010B
3406-MW05 03/19/08 12:44 010				
Arsenic	1.0 B	10	ug/L	SW846 6020
Copper	0.72 B	10	ug/L	SW846 6020
Zinc	4.7 B	10	ug/L	SW846 6020

(Continued on next page)

PREPARATION METHODS SUMMARY

D8C210307

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Metals by ICPMS	SW846 3020A	SW846 6020
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

METHOD / ANALYST SUMMARY

D8C210307

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 6010B	Lynn-Anne Trudell	6645
SW846 6020	Luis Diaz	4729
SW846 8260B	Ashley Wolfe	004211

References:

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

Waste Management, Inc.

Client Sample ID: 3406-MW11D

GC/MS Volatiles

Lot-Sample #...: D8C210307-001 **Work Order #...:** KJ2MD1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 17:13 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 11:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

(Continued on next page)

Waste Management, Inc.

Client Sample ID: 3406-MW11

GC/MS Volatiles

Lot-Sample #...: D8C210307-002 **Work Order #...:** KJ2MF1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 16:39 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 12:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	**0.58 J**	**5.0**	**ug/L**	**0.16**
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	**0.22 J**	**5.0**	**ug/L**	**0.15**
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW09R

GC/MS Volatiles

Lot-Sample #...: D8C210307-003 **Work Order #...:** KJ2MG1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 16:04 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 12:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	**0.20 J**	**1.0**	**ug/L**	**0.16**
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	**0.49 J**	**10**	**ug/L**	**0.41**
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	**0.50 J**	**1.0**	**ug/L**	**0.16**
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	**6.3**	**5.0**	**ug/L**	**0.16**
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	**2.4 J**	**5.0**	**ug/L**	**0.15**
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW03

GC/MS Volatiles

Lot-Sample #...: D8C210307-004 Work Order #...: KJ2MJ1AM Matrix.....: WATER
Date Sampled...: 03/19/08 15:17 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 13:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW07

GC/MS Volatiles

Lot-Sample #...: D8C210307-005 Work Order #...: KJ2MK1AM Matrix.....: WATER
Date Sampled...: 03/19/08 14:50 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 13:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW10

GC/MS Volatiles

Lot-Sample #...: D8C210307-006 **Work Order #...:** KJ2ML1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 14:23 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 13:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	**0.14 J**	**5.0**	**ug/L**	**0.14**
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	**0.33 J,B**	**1.0**	**ug/L**	**0.32**
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW02

GC/MS Volatiles

Lot-Sample #...: D8C210307-007 **Work Order #...:** KJ2MN1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 13:58 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 14:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	**1.4**	**1.0**	**ug/L**	**0.16**
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	**0.73 J**	**5.0**	**ug/L**	**0.16**
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	**0.24 J**	**5.0**	**ug/L**	**0.14**
cis-1,2-Dichloroethene	**0.55 J**	**5.0**	**ug/L**	**0.15**
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	**0.20 J**	**1.0**	**ug/L**	**0.16**
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	**0.77 J,B**	**1.0**	**ug/L**	**0.32**
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW06

GC/MS Volatiles

Lot-Sample #...: D8C210307-008 Work Order #...: KJ2MP1AM Matrix.....: WATER
Date Sampled...: 03/19/08 13:29 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 14:34
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW01

GC/MS Volatiles

Lot-Sample #...: D8C210307-009 **Work Order #...:** KJ2MR1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 13:10 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 15:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW05

GC/MS Volatiles

Lot-Sample #...: D8C210307-010 **Work Order #...:** KJ2MT1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 12:44 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 15:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17

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Waste Management, Inc.

Client Sample ID: 3406-MW08

GC/MS Volatiles

Lot-Sample #...: D8C210307-011 Work Order #...: KJ2MV1AM Matrix.....: WATER
Date Sampled...: 03/19/08 12:17 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 16:34
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW04

GC/MS Volatiles

Lot-Sample #...: D8C210307-012 **Work Order #...:** KJ2MW1AM **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:43 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 16:54
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW12D

GC/MS Volatiles

Lot-Sample #...: D8C210307-013 Work Order #...: KJ2MX1AM Matrix.....: WATER
Date Sampled...: 03/19/08 09:27 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 17:15
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW12

GC/MS Volatiles

Lot-Sample #...: D8C210307-014 **Work Order #...:** KJ2M01AM **Matrix.....:** WATER
Date Sampled...: 03/20/08 09:55 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 17:35
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW04D

GC/MS Volatiles

Lot-Sample #...: D8C210307-015 Work Order #...: KJ2M11AM Matrix.....: WATER
Date Sampled...: 03/20/08 09:35 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 17:55
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-01FB

GC/MS Volatiles

Lot-Sample #...: D8C210307-016 **Work Order #...:** KJ2M21AM **Matrix.....:** WATER
Date Sampled...: 03/20/08 10:05 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 18:15
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: TRIP

GC/MS Volatiles

Lot-Sample #...: D8C210307-017 **Work Order #...:** KJ2M31AA **Matrix.....:** WATER
Date Sampled...: 03/20/08 **Date Received..:** 03/21/08
Prep Date.....: 04/02/08 **Analysis Date..:** 04/02/08
Prep Batch #...: 8094267 **Analysis Time..:** 18:35
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	1.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	1.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	1.0	ug/L	0.30
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	5.0	ug/L	0.13
1,4-Dichlorobenzene	ND	1.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.13
1,1-Dichloroethene	ND	5.0	ug/L	0.14
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,2-Dichloropropane	ND	1.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.16
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.19
Ethylbenzene	ND	1.0	ug/L	0.16
Trichlorofluoromethane	ND	1.0	ug/L	0.29
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	ND	1.0	ug/L	0.32
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	1.0	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	0.20
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.16

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Waste Management, Inc.

Client Sample ID: 3406-MW11D

TOTAL Metals

Lot-Sample #...: D8C210307-001 **Matrix.....:** WATER
Date Sampled...: 03/19/08 17:13 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	**0.23 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MD1AE**
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MD1AF
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MD1AG
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MD1AH
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.020	
Copper	**9.0 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MD1AJ**
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MD1AK
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 0.70	
Zinc	**10**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MD1AL**
		Dilution Factor: 1		Analysis Time..: 18:19	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**32 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MD1AC**
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 1.0	
Vanadium	**16 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MD1AD**
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MD1AN
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MD1AP
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 2.8	
Cobalt	**1.2 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MD1AQ**
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 1.2	
Chromium	**7.6 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MD1AR**
		Dilution Factor: 1		Analysis Time..: 07:44	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW11

TOTAL Metals

Lot-Sample #...: D8C210307-002 **Matrix.....:** WATER
Date Sampled...: 03/19/08 16:39 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MF1AE
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.21	
Cadmium	**0.048 B**	**1.0**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MF1AF**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MF1AG
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MF1AH
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.020	
Copper	**1.4 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MF1AJ**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MF1AK
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.70	
Zinc	**12**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MF1AL**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**62 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MF1AC**
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MF1AD
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MF1AN
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MF1AP
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 2.8	
Cobalt	**4.8 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MF1AQ**
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MF1AR
		Dilution Factor: 1		Analysis Time..: 08:05	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW09R

TOTAL Metals

Lot-Sample #...: D8C210307-003 Matrix.....: WATER
Date Sampled...: 03/19/08 16:04 Date Received..: 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	**0.48 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AE**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.21	
Cadmium	**0.44 B**	**1.0**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AF**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.040	
Antimony	**0.29 B**	**6.0**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AG**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.070	
Thallium	**0.30 B**	**5.5**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AH**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.020	
Copper	**6.7 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AJ**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MG1AK
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 0.70	
Zinc	**15**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MG1AL**
		Dilution Factor: 1		Analysis Time..: 18:27	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**22 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MG1AC**
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 1.0	
Vanadium	**9.3 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MG1AD**
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MG1AN
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MG1AP
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 2.8	
Cobalt	**4.5 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MG1AQ**
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MG1AR
		Dilution Factor: 1		Analysis Time..: 08:10	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW03

TOTAL Metals

Lot-Sample #...: D8C210307-004 **Matrix.....:** WATER
Date Sampled...: 03/19/08 15:17 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MJ1AE
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MJ1AF
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MJ1AG
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MJ1AH
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.020	
Copper	**0.59 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MJ1AJ**
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MJ1AK
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.70	
Zinc	**3.4 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MJ1AL**
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**16 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MJ1AC**
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 1.0	
Vanadium	**9.0 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MJ1AD**
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MJ1AN
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MJ1AP
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MJ1AQ
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 1.2	
Chromium	**13**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MJ1AR**
		Dilution Factor: 1		Analysis Time..: 08:31	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW07

TOTAL Metals

Lot-Sample #...: D8C210307-005 **Matrix.....:** WATER
Date Sampled...: 03/19/08 14:50 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MK1AE
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MK1AF
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MK1AG
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MK1AH
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.020	
Copper	**1.7 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MK1AJ**
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MK1AK
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 0.70	
Zinc	**2.5 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MK1AL**
		Dilution Factor: 1		Analysis Time..: 18:57	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**4.6 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MK1AC**
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 1.0	
Vanadium	**5.5 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MK1AD**
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MK1AN
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MK1AP
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MK1AQ
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MK1AR
		Dilution Factor: 1		Analysis Time..: 08:36	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW10

TOTAL Metals

Lot-Sample #...: D8C210307-006 **Matrix.....:** WATER
Date Sampled...: 03/19/08 14:23 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AE
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AF
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AG
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AH
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AJ
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2ML1AK
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 0.70	
Zinc	**4.2 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2ML1AL**
		Dilution Factor: 1		Analysis Time..: 19:01	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**5.8 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2ML1AC**
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 1.0	
Vanadium	**4.6 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2ML1AD**
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2ML1AN
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2ML1AP
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2ML1AQ
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 1.2	
Chromium	**3.3 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2ML1AR**
		Dilution Factor: 1		Analysis Time..: 08:41	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW02

TOTAL Metals

Lot-Sample #...: D8C210307-007 **Matrix.....:** WATER
Date Sampled...: 03/19/08 13:58 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AE
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AF
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AG
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AH
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AJ
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MN1AK
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.70	
Zinc	**8.7 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MN1AL**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**130**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MN1AC**
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MN1AD
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MN1AN
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MN1AP
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MN1AQ
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MN1AR
		Dilution Factor: 1		Analysis Time..: 08:47	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW06

TOTAL Metals

Lot-Sample #...: D8C210307-008 **Matrix.....:** WATER
Date Sampled...: 03/19/08 13:29 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AE
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AF
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AG
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AH
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AJ
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MP1AK
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.70	
Zinc	**8.3 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MP1AL**
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**37 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MP1AC**
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MP1AD
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MP1AN
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MP1AP
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MP1AQ
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MP1AR
		Dilution Factor: 1		Analysis Time..: 08:52	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW01

TOTAL Metals

Lot-Sample #...: D8C210307-009 **Matrix.....:** WATER
Date Sampled...: 03/19/08 13:10 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MR1AE
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MR1AF
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MR1AG
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MR1AH
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.020	
Copper	**0.59 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MR1AJ**
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MR1AK
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.70	
Zinc	**5.5 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MR1AL**
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**46 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MR1AC**
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MR1AD
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MR1AN
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MR1AP
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MR1AQ
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MR1AR
		Dilution Factor: 1		Analysis Time..: 08:57	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW05

TOTAL Metals

Lot-Sample #...: D8C210307-010 **Matrix.....:** WATER
Date Sampled...: 03/19/08 12:44 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	**1.0 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MT1AE**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MT1AF
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MT1AG
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MT1AH
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.020	
Copper	**0.72 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MT1AJ**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MT1AK
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.70	
Zinc	**4.7 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MT1AL**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**38 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MT1AC**
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 1.0	
Vanadium	**9.0 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MT1AD**
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MT1AN
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MT1AP
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MT1AQ
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 1.2	
Chromium	**3.3 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MT1AR**
		Dilution Factor: 1		Analysis Time..: 09:03	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW08

TOTAL Metals

Lot-Sample #...: D8C210307-011 **Matrix.....:** WATER
Date Sampled...: 03/19/08 12:17 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AE
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AF
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AG
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AH
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AJ
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MV1AK
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.70	
Zinc	**4.8 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MV1AL**
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**74 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MV1AC**
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MV1AD
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MV1AN
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MV1AP
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MV1AQ
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MV1AR
		Dilution Factor: 1		Analysis Time..: 09:24	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW04

TOTAL Metals

Lot-Sample #...: D8C210307-012 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:43 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AE
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AF
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AG
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AH
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AJ
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MW1AK
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.70	
Zinc	**6.7 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MW1AL**
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**46 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MW1AC**
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MW1AD
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MW1AN
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MW1AP
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 2.8	
Cobalt	**1.7 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MW1AQ**
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MW1AR
		Dilution Factor: 1		Analysis Time..: 09:39	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW12D

TOTAL Metals

Lot-Sample #...: D8C210307-013 **Matrix.....:** WATER
Date Sampled...: 03/19/08 09:27 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MX1AE
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MX1AF
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2MX1AG
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2MX1AH
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.020	
Copper	**2.3 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MX1AJ**
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2MX1AK
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 0.70	
Zinc	**6.8 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2MX1AL**
		Dilution Factor: 1		Analysis Time..: 19:34	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**49 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MX1AC**
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ2MX1AD
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2MX1AN
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MX1AP
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 2.8	
Cobalt	**1.3 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2MX1AQ**
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2MX1AR
		Dilution Factor: 1		Analysis Time..: 23:52	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW12

TOTAL Metals

Lot-Sample #...: D8C210307-014 **Matrix.....:** WATER
Date Sampled...: 03/20/08 09:55 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M01AE
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2M01AF
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.040	
Antimony	**0.10 B**	**6.0**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M01AG**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2M01AH
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.020	
Copper	**2.9 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M01AJ**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M01AK
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.70	
Zinc	**9.8 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M01AL**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**12 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2M01AC**
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 1.0	
Vanadium	**7.3 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2M01AD**
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ2M01AN
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2M01AP
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/08/08	KJ2M01AQ
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 1.2	
Chromium	**4.0 B**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/08/08**	**KJ2M01AR**
		Dilution Factor: 1		Analysis Time..: 23:57	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-MW04D

TOTAL Metals

Lot-Sample #...: D8C210307-015 **Matrix.....:** WATER
Date Sampled...: 03/20/08 09:35 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	**0.36 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M11AE**
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2M11AF
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2M11AG
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.070	
Thallium	**0.088 B**	**5.5**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M11AH**
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.020	
Copper	**1.3 B**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M11AJ**
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M11AK
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 0.70	
Zinc	**27**	**10**	**ug/L**	**SW846 6020**	**04/04-04/07/08**	**KJ2M11AL**
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	**59 B**	**100**	**ug/L**	**SW846 6010B**	**04/04-04/09/08**	**KJ2M11AC**
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 1.0	
Vanadium	**13 B**	**25**	**ug/L**	**SW846 6010B**	**04/04-04/09/08**	**KJ2M11AD**
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 2.5	
Beryllium	**0.95 B**	**1.0**	**ug/L**	**SW846 6010B**	**04/04-04/09/08**	**KJ2M11AN**
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/09/08	KJ2M11AP
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/09/08	KJ2M11AQ
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 1.2	
Chromium	**12**	**10**	**ug/L**	**SW846 6010B**	**04/04-04/09/08**	**KJ2M11AR**
		Dilution Factor: 1		Analysis Time..: 00:02	MDL.....: 2.6	

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Waste Management, Inc.

Client Sample ID: 3406-01FB

TOTAL Metals

Lot-Sample #...: D8C210307-016 **Matrix.....:** WATER
Date Sampled...: 03/20/08 10:05 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AE
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.21	
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AF
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.040	
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AG
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.070	
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AH
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.020	
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AJ
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.56	
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AK
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 0.70	
Zinc	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ2M21AL
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 2.0	
Prep Batch #...: 8085406						
Barium	ND	100	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AC
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 1.0	
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AD
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 2.5	
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AN
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 0.47	
Silver	ND	10	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AP
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 2.8	
Cobalt	ND	10	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AQ
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 1.2	
Chromium	ND	10	ug/L	SW846 6010B	04/04-04/09/08	KJ2M21AR
		Dilution Factor: 1		Analysis Time..: 00:08	MDL.....: 2.6	

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QC DATA ASSOCIATION SUMMARY

D8C210307

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
002	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
003	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
004	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
005	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
006	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
007	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
008	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
009	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094183
	WATER	SW846 6010B		8085406	8085238
010	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094191
	WATER	SW846 6010B		8085406	8085238
011	WATER	SW846 6020		8085373	8085205
	WATER	SW846 8260B		8094267	8094191
	WATER	SW846 6010B		8085406	8085238

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8C210307 **Work Order #...:** KKNGD1AA **Matrix.....:** WATER
MB Lot-Sample #: D8D030000-267

Prep Date.....: 04/02/08 **Analysis Time..:** 10:51

Analysis Date..: 04/02/08 **Prep Batch #...:** 8094267
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	100	ug/L	SW846 8260B
Acrylonitrile	ND	200	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	3.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	3.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	100	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	3.0	ug/L	SW846 8260B
Dibromochloromethane	ND	3.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	100	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	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
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	50	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.48 J**	**1.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	100	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8C210307 Work Order #...: KKNGD1AC Matrix.....: WATER
LCS Lot-Sample#: D8D030000-267
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 10:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**90**	**(68 - 133)**	**SW846 8260B**
Benzene	**100**	**(77 - 118)**	**SW846 8260B**
Chlorobenzene	**100**	**(78 - 118)**	**SW846 8260B**
Toluene	**99**	**(73 - 120)**	**SW846 8260B**
Trichloroethene	**98**	**(78 - 122)**	**SW846 8260B**
Chloroform	**100**	**(78 - 118)**	**SW846 8260B**
1,1-Dichloroethane	**101**	**(77 - 117)**	**SW846 8260B**
1,2-Dichloropropane	**100**	**(76 - 116)**	**SW846 8260B**
Ethylbenzene	**99**	**(78 - 118)**	**SW846 8260B**
Methylene chloride	**106**	**(71 - 119)**	**SW846 8260B**
Tetrachloroethene	**98**	**(77 - 117)**	**SW846 8260B**
1,1,1-Trichloroethane	**96**	**(78 - 118)**	**SW846 8260B**
Carbon tetrachloride	**96**	**(80 - 120)**	**SW846 8260B**
trans-1,2-Dichloroethene	**101**	**(80 - 120)**	**SW846 8260B**
Bromodichloromethane	**97**	**(78 - 118)**	**SW846 8260B**
1,3-Dichlorobenzene	**96**	**(75 - 115)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(79 - 119)
1,2-Dichloroethane-d4	85	(65 - 126)
4-Bromofluorobenzene	94	(75 - 115)
Toluene-d8	90	(78 - 118)

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 #...: D8C210307 Work Order #...: KJ2MD1CE-MS Matrix.....: WATER
MS Lot-Sample #: D8C210307-001 KJ2MD1CF-MSD
Date Sampled...: 03/19/08 17:13 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 11:54
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(68 - 133)			SW846 8260B
	86	(68 - 133)	8.9	(0-20)	SW846 8260B
Benzene	101	(77 - 118)			SW846 8260B
	95	(77 - 118)	6.2	(0-20)	SW846 8260B
Chlorobenzene	99	(78 - 118)			SW846 8260B
	94	(78 - 118)	5.7	(0-20)	SW846 8260B
Toluene	100	(73 - 120)			SW846 8260B
	94	(73 - 120)	5.8	(0-20)	SW846 8260B
Trichloroethene	100	(78 - 122)			SW846 8260B
	92	(78 - 122)	8.0	(0-20)	SW846 8260B
Chloroform	101	(78 - 118)			SW846 8260B
	95	(78 - 118)	6.4	(0-20)	SW846 8260B
1,1-Dichloroethane	102	(77 - 117)			SW846 8260B
	95	(77 - 117)	7.3	(0-21)	SW846 8260B
1,2-Dichloropropane	100	(76 - 116)			SW846 8260B
	95	(76 - 116)	5.5	(0-20)	SW846 8260B
Ethylbenzene	98	(78 - 118)			SW846 8260B
	92	(78 - 118)	6.2	(0-26)	SW846 8260B
Methylene chloride	105	(71 - 119)			SW846 8260B
	99	(71 - 119)	6.1	(0-20)	SW846 8260B
Tetrachloroethene	100	(77 - 117)			SW846 8260B
	93	(77 - 117)	6.6	(0-20)	SW846 8260B
1,1,1-Trichloroethane	96	(78 - 118)			SW846 8260B
	89	(78 - 118)	7.4	(0-20)	SW846 8260B
Carbon tetrachloride	96	(80 - 120)			SW846 8260B
	89	(80 - 120)	7.8	(0-21)	SW846 8260B
trans-1,2-Dichloroethene	105	(80 - 120)			SW846 8260B
	98	(80 - 120)	6.5	(0-24)	SW846 8260B
Bromodichloromethane	96	(78 - 118)			SW846 8260B
	90	(78 - 118)	5.7	(0-20)	SW846 8260B
1,3-Dichlorobenzene	90	(75 - 115)			SW846 8260B
	93	(75 - 115)	3.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	83	(65 - 126)
	82	(65 - 126)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8C210307 Work Order #...: KJ2MD1CE-MS Matrix.....: WATER
MS Lot-Sample #: D8C210307-001 KJ2MD1CF-MSD
Date Sampled...: 03/19/08 17:13 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 11:54
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	5.00	4.69	ug/L	94		SW846 8260B
	ND	5.00	4.29	ug/L	86	8.9	SW846 8260B
Benzene	ND	5.00	5.03	ug/L	101		SW846 8260B
	ND	5.00	4.73	ug/L	95	6.2	SW846 8260B
Chlorobenzene	ND	5.00	4.97	ug/L	99		SW846 8260B
	ND	5.00	4.69	ug/L	94	5.7	SW846 8260B
Toluene	ND	5.00	5.01	ug/L	100		SW846 8260B
	ND	5.00	4.72	ug/L	94	5.8	SW846 8260B
Trichloroethene	ND	5.00	4.99	ug/L	100		SW846 8260B
	ND	5.00	4.61	ug/L	92	8.0	SW846 8260B
Chloroform	ND	5.00	5.05	ug/L	101		SW846 8260B
	ND	5.00	4.74	ug/L	95	6.4	SW846 8260B
1,1-Dichloroethane	ND	5.00	5.12	ug/L	102		SW846 8260B
	ND	5.00	4.76	ug/L	95	7.3	SW846 8260B
1,2-Dichloropropane	ND	5.00	5.00	ug/L	100		SW846 8260B
	ND	5.00	4.74	ug/L	95	5.5	SW846 8260B
Ethylbenzene	ND	5.00	4.90	ug/L	98		SW846 8260B
	ND	5.00	4.60	ug/L	92	6.2	SW846 8260B
Methylene chloride	ND	5.00	5.27	ug/L	105		SW846 8260B
	ND	5.00	4.96	ug/L	99	6.1	SW846 8260B
Tetrachloroethene	ND	5.00	4.99	ug/L	100		SW846 8260B
	ND	5.00	4.67	ug/L	93	6.6	SW846 8260B
1,1,1-Trichloroethane	ND	5.00	4.80	ug/L	96		SW846 8260B
	ND	5.00	4.46	ug/L	89	7.4	SW846 8260B
Carbon tetrachloride	ND	5.00	4.82	ug/L	96		SW846 8260B
	ND	5.00	4.46	ug/L	89	7.8	SW846 8260B
trans-1,2-Dichloroethene	ND	5.00	5.25	ug/L	105		SW846 8260B
	ND	5.00	4.92	ug/L	98	6.5	SW846 8260B
Bromodichloromethane	ND	5.00	4.78	ug/L	96		SW846 8260B
	ND	5.00	4.51	ug/L	90	5.7	SW846 8260B
1,3-Dichlorobenzene	ND	5.00	4.52	ug/L	90		SW846 8260B
	ND	5.00	4.67	ug/L	93	3.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(79 - 119)
	97	(79 - 119)
1,2-Dichloroethane-d4	83	(65 - 126)
	82	(65 - 126)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8C210307 Work Order #...: KJ2MT1AV-MS Matrix.....: WATER
MS Lot-Sample #: D8C210307-010 KJ2MT1AW-MSD
Date Sampled...: 03/19/08 12:44 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 15:55
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	89	(68 - 133)			SW846 8260B
	90	(68 - 133)	2.1	(0-20)	SW846 8260B
Benzene	97	(77 - 118)			SW846 8260B
	97	(77 - 118)	0.04	(0-20)	SW846 8260B
Chlorobenzene	96	(78 - 118)			SW846 8260B
	95	(78 - 118)	1.1	(0-20)	SW846 8260B
Toluene	97	(73 - 120)			SW846 8260B
	96	(73 - 120)	1.6	(0-20)	SW846 8260B
Trichloroethene	96	(78 - 122)			SW846 8260B
	95	(78 - 122)	0.42	(0-20)	SW846 8260B
Chloroform	97	(78 - 118)			SW846 8260B
	96	(78 - 118)	1.8	(0-20)	SW846 8260B
1,1-Dichloroethane	97	(77 - 117)			SW846 8260B
	97	(77 - 117)	0.34	(0-21)	SW846 8260B
1,2-Dichloropropane	99	(76 - 116)			SW846 8260B
	97	(76 - 116)	2.0	(0-20)	SW846 8260B
Ethylbenzene	93	(78 - 118)			SW846 8260B
	95	(78 - 118)	1.6	(0-26)	SW846 8260B
Methylene chloride	100	(71 - 119)			SW846 8260B
	100	(71 - 119)	0.78	(0-20)	SW846 8260B
Tetrachloroethene	96	(77 - 117)			SW846 8260B
	97	(77 - 117)	1.4	(0-20)	SW846 8260B
1,1,1-Trichloroethane	91	(78 - 118)			SW846 8260B
	92	(78 - 118)	1.0	(0-20)	SW846 8260B
Carbon tetrachloride	91	(80 - 120)			SW846 8260B
	92	(80 - 120)	1.7	(0-21)	SW846 8260B
trans-1,2-Dichloroethene	101	(80 - 120)			SW846 8260B
	101	(80 - 120)	0.29	(0-24)	SW846 8260B
Bromodichloromethane	92	(78 - 118)			SW846 8260B
	92	(78 - 118)	0.08	(0-20)	SW846 8260B
1,3-Dichlorobenzene	93	(75 - 115)			SW846 8260B
	91	(75 - 115)	2.4	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(79 - 119)
	96	(79 - 119)
1,2-Dichloroethane-d4	80	(65 - 126)
	82	(65 - 126)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8C210307 Work Order #...: KJ2MT1AV-MS Matrix.....: WATER
MS Lot-Sample #: D8C210307-010 KJ2MT1AW-MSD
Date Sampled...: 03/19/08 12:44 Date Received..: 03/21/08
Prep Date.....: 04/02/08 Analysis Date..: 04/02/08
Prep Batch #...: 8094267 Analysis Time..: 15:55
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	5.00	4.43	ug/L	89		SW846 8260B
	ND	5.00	4.52	ug/L	90	2.1	SW846 8260B
Benzene	ND	5.00	4.84	ug/L	97		SW846 8260B
	ND	5.00	4.84	ug/L	97	0.04	SW846 8260B
Chlorobenzene	ND	5.00	4.80	ug/L	96		SW846 8260B
	ND	5.00	4.75	ug/L	95	1.1	SW846 8260B
Toluene	ND	5.00	4.87	ug/L	97		SW846 8260B
	ND	5.00	4.79	ug/L	96	1.6	SW846 8260B
Trichloroethene	ND	5.00	4.78	ug/L	96		SW846 8260B
	ND	5.00	4.76	ug/L	95	0.42	SW846 8260B
Chloroform	ND	5.00	4.87	ug/L	97		SW846 8260B
	ND	5.00	4.78	ug/L	96	1.8	SW846 8260B
1,1-Dichloroethane	ND	5.00	4.85	ug/L	97		SW846 8260B
	ND	5.00	4.83	ug/L	97	0.34	SW846 8260B
1,2-Dichloropropane	ND	5.00	4.96	ug/L	99		SW846 8260B
	ND	5.00	4.86	ug/L	97	2.0	SW846 8260B
Ethylbenzene	ND	5.00	4.67	ug/L	93		SW846 8260B
	ND	5.00	4.75	ug/L	95	1.6	SW846 8260B
Methylene chloride	ND	5.00	4.99	ug/L	100		SW846 8260B
	ND	5.00	5.02	ug/L	100	0.78	SW846 8260B
Tetrachloroethene	ND	5.00	4.79	ug/L	96		SW846 8260B
	ND	5.00	4.86	ug/L	97	1.4	SW846 8260B
1,1,1-Trichloroethane	ND	5.00	4.53	ug/L	91		SW846 8260B
	ND	5.00	4.58	ug/L	92	1.0	SW846 8260B
Carbon tetrachloride	ND	5.00	4.53	ug/L	91		SW846 8260B
	ND	5.00	4.61	ug/L	92	1.7	SW846 8260B
trans-1,2-Dichloroethene	ND	5.00	5.04	ug/L	101		SW846 8260B
	ND	5.00	5.06	ug/L	101	0.29	SW846 8260B
Bromodichloromethane	ND	5.00	4.58	ug/L	92		SW846 8260B
	ND	5.00	4.59	ug/L	92	0.08	SW846 8260B
1,3-Dichlorobenzene	ND	5.00	4.66	ug/L	93		SW846 8260B
	ND	5.00	4.55	ug/L	91	2.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(79 - 119)
	96	(79 - 119)
1,2-Dichloroethane-d4	80	(65 - 126)
	82	(65 - 126)

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8C250000-373 **Prep Batch #...:** 8085373						
Arsenic	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AA
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Cadmium	ND	1.0	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AC
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Antimony	ND	6.0	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AD
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Thallium	ND	5.5	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AE
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Copper	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AF
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Selenium	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AG
		Dilution Factor: 1				
		Analysis Time..: 18:08				
Zinc	ND	10	ug/L	SW846 6020	04/04-04/07/08	KJ6AV1AH
		Dilution Factor: 1				
		Analysis Time..: 18:08				
MB Lot-Sample #: D8C250000-406 **Prep Batch #...:** 8085406						
Barium	ND	100	ug/L	SW846 6010B	04/04-04/08/08	KJ6G71AA
		Dilution Factor: 1				
		Analysis Time..: 07:33				
Vanadium	ND	25	ug/L	SW846 6010B	04/04-04/08/08	KJ6G71AC
		Dilution Factor: 1				
		Analysis Time..: 07:33				
Beryllium	ND	1.0	ug/L	SW846 6010B	04/04-04/08/08	KJ6G71AD
		Dilution Factor: 1				
		Analysis Time..: 07:33				

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C250000-373 **Prep Batch #...:** 8085373					
Arsenic	96	(89 - 111)	SW846 6020	04/04-04/07/08	KJ6AV1AJ
		Dilution Factor: 1	Analysis Time..: 18:11		
Cadmium	96	(89 - 111)	SW846 6020	04/04-04/07/08	KJ6AV1AK
		Dilution Factor: 1	Analysis Time..: 18:11		
Antimony	95	(71 - 128)	SW846 6020	04/04-04/07/08	KJ6AV1AL
		Dilution Factor: 1	Analysis Time..: 18:11		
Thallium	93	(86 - 124)	SW846 6020	04/04-04/07/08	KJ6AV1AM
		Dilution Factor: 1	Analysis Time..: 18:11		
Copper	99	(90 - 117)	SW846 6020	04/04-04/07/08	KJ6AV1AN
		Dilution Factor: 1	Analysis Time..: 18:11		
Selenium	84	(82 - 114)	SW846 6020	04/04-04/07/08	KJ6AV1AP
		Dilution Factor: 1	Analysis Time..: 18:11		
Zinc	100	(88 - 118)	SW846 6020	04/04-04/07/08	KJ6AV1AQ
		Dilution Factor: 1	Analysis Time..: 18:11		
LCS Lot-Sample#: D8C250000-406 **Prep Batch #...:** 8085406					
Barium	105	(90 - 112)	SW846 6010B	04/04-04/08/08	KJ6G71AK
		Dilution Factor: 1	Analysis Time..: 07:39		
Vanadium	105	(90 - 111)	SW846 6010B	04/04-04/08/08	KJ6G71AL
		Dilution Factor: 1	Analysis Time..: 07:39		
Beryllium	106	(89 - 113)	SW846 6010B	04/04-04/08/08	KJ6G71AM
		Dilution Factor: 1	Analysis Time..: 07:39		
Silver	107	(86 - 115)	SW846 6010B	04/04-04/08/08	KJ6G71AN
		Dilution Factor: 1	Analysis Time..: 07:39		
Cobalt	102	(89 - 111)	SW846 6010B	04/04-04/08/08	KJ6G71AP
		Dilution Factor: 1	Analysis Time..: 07:39		
Chromium	106	(90 - 113)	SW846 6010B	04/04-04/08/08	KJ6G71AQ
		Dilution Factor: 1	Analysis Time..: 07:39		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C250000-373 **Prep Batch #...:** 8085373							
Arsenic	40.0	38.3	ug/L	96	SW846 6020	04/04-04/07/08	KJ6AV1AJ
			Dilution Factor: 1		Analysis Time..: 18:11		
Cadmium	40.0	38.5	ug/L	96	SW846 6020	04/04-04/07/08	KJ6AV1AK
			Dilution Factor: 1		Analysis Time..: 18:11		
Antimony	40.0	38.1	ug/L	95	SW846 6020	04/04-04/07/08	KJ6AV1AL
			Dilution Factor: 1		Analysis Time..: 18:11		
Thallium	40.0	37.2	ug/L	93	SW846 6020	04/04-04/07/08	KJ6AV1AM
			Dilution Factor: 1		Analysis Time..: 18:11		
Copper	40.0	39.7	ug/L	99	SW846 6020	04/04-04/07/08	KJ6AV1AN
			Dilution Factor: 1		Analysis Time..: 18:11		
Selenium	40.0	33.5	ug/L	84	SW846 6020	04/04-04/07/08	KJ6AV1AP
			Dilution Factor: 1		Analysis Time..: 18:11		
Zinc	40.0	40.0	ug/L	100	SW846 6020	04/04-04/07/08	KJ6AV1AQ
			Dilution Factor: 1		Analysis Time..: 18:11		
LCS Lot-Sample#: D8C250000-406 **Prep Batch #...:** 8085406							
Barium	2000	2100	ug/L	105	SW846 6010B	04/04-04/08/08	KJ6G71AK
			Dilution Factor: 1		Analysis Time..: 07:39		
Vanadium	500	525	ug/L	105	SW846 6010B	04/04-04/08/08	KJ6G71AL
			Dilution Factor: 1		Analysis Time..: 07:39		
Beryllium	50.0	53.2	ug/L	106	SW846 6010B	04/04-04/08/08	KJ6G71AM
			Dilution Factor: 1		Analysis Time..: 07:39		
Silver	50.0	53.6	ug/L	107	SW846 6010B	04/04-04/08/08	KJ6G71AN
			Dilution Factor: 1		Analysis Time..: 07:39		
Cobalt	500	508	ug/L	102	SW846 6010B	04/04-04/08/08	KJ6G71AP
			Dilution Factor: 1		Analysis Time..: 07:39		
Chromium	200	213	ug/L	106	SW846 6010B	04/04-04/08/08	KJ6G71AQ
			Dilution Factor: 1		Analysis Time..: 07:39		

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER
Date Sampled...: 03/19/08 16:04 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210307-003 **Prep Batch #...:** 8085373							
Arsenic	97	(89 - 111)			SW846 6020	04/04-04/07/08	KJ2MG1AV
	97	(89 - 111)	0.05	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1AW
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Cadmium	98	(89 - 111)			SW846 6020	04/04-04/07/08	KJ2MG1AX
	97	(89 - 111)	1.3	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1A0
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Antimony	101	(71 - 128)			SW846 6020	04/04-04/07/08	KJ2MG1A1
	100	(71 - 128)	0.84	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1A2
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Thallium	102	(86 - 124)			SW846 6020	04/04-04/07/08	KJ2MG1A3
	99	(86 - 124)	2.1	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1A4
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Copper	93	(90 - 117)			SW846 6020	04/04-04/07/08	KJ2MG1A5
	95	(90 - 117)	2.1	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1A6
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Selenium	87	(82 - 114)			SW846 6020	04/04-04/07/08	KJ2MG1A7
	87	(82 - 114)	0.10	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1A8
		Dilution Factor: 1					
		Analysis Time..: 18:38					
Zinc	101	(88 - 118)			SW846 6020	04/04-04/07/08	KJ2MG1A9
	100	(88 - 118)	1.0	(0-20)	SW846 6020	04/04-04/07/08	KJ2MG1CA
		Dilution Factor: 1					
		Analysis Time..: 18:38					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER
Date Sampled...: 03/20/08 09:55 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210307-014 **Prep Batch #...:** 8085373							
Arsenic	96	(89 - 111)			SW846 6020	04/04-04/07/08	KJ2M01AV
	95	(89 - 111)	0.88	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01AW
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Cadmium	99	(89 - 111)			SW846 6020	04/04-04/07/08	KJ2M01AX
	99	(89 - 111)	0.22	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01A0
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Antimony	73	(71 - 128)			SW846 6020	04/04-04/07/08	KJ2M01A1
	80	(71 - 128)	7.9	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01A2
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Thallium	111	(86 - 124)			SW846 6020	04/04-04/07/08	KJ2M01A3
	108	(86 - 124)	2.5	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01A4
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Copper	96	(90 - 117)			SW846 6020	04/04-04/07/08	KJ2M01A5
	91	(90 - 117)	5.2	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01A6
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Selenium	87	(82 - 114)			SW846 6020	04/04-04/07/08	KJ2M01A7
	88	(82 - 114)	1.0	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01A8
		Dilution Factor: 1					
		Analysis Time..: 19:46					
Zinc	95	(88 - 118)			SW846 6020	04/04-04/07/08	KJ2M01A9
	93	(88 - 118)	2.1	(0-20)	SW846 6020	04/04-04/07/08	KJ2M01CA
		Dilution Factor: 1					
		Analysis Time..: 19:46					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER
Date Sampled...: 03/19/08 17:13 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210307-001 **Prep Batch #...:** 8085406							
Barium	104	(85 - 120)			SW846 6010B	04/04-04/08/08	KJ2MD1AV
	108	(85 - 120)	4.1	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1AW
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Vanadium	103	(85 - 120)			SW846 6010B	04/04-04/08/08	KJ2MD1AX
	107	(85 - 120)	3.3	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1A0
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Beryllium	105	(79 - 121)			SW846 6010B	04/04-04/08/08	KJ2MD1A1
	109	(79 - 121)	3.2	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1A2
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Silver	106	(75 - 141)			SW846 6010B	04/04-04/08/08	KJ2MD1A3
	108	(75 - 141)	2.5	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1A4
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Cobalt	100	(82 - 119)			SW846 6010B	04/04-04/08/08	KJ2MD1A5
	104	(82 - 119)	3.8	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1A6
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Chromium	105	(73 - 135)			SW846 6010B	04/04-04/08/08	KJ2MD1A7
	109	(73 - 135)	4.1	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1A8
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Lead	101	(89 - 121)			SW846 6010B	04/04-04/08/08	KJ2MD1A9
	105	(89 - 121)	3.5	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1CA
		Dilution Factor: 1					
		Analysis Time..: 07:54					
Nickel	99	(84 - 120)			SW846 6010B	04/04-04/08/08	KJ2MD1CC
	102	(84 - 120)	3.5	(0-25)	SW846 6010B	04/04-04/08/08	KJ2MD1CD
		Dilution Factor: 1					
		Analysis Time..: 07:54					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER
Date Sampled...: 03/19/08 17:13 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	ND	500	497	ug/L	99		SW846 6010B	04/04-04/08/08	KJ2MD1CC
	ND	500	514	ug/L	102	3.5	SW846 6010B	04/04-04/08/08	KJ2MD1CD

Dilution Factor: 1
Analysis Time..: 07:54

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210307 **Matrix.....:** WATER
Date Sampled...: 03/19/08 12:17 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210307-011 **Prep Batch #...:** 8085406									
Barium									
	74	2000	2230	ug/L	108		SW846 6010B	04/04-04/08/08	KJ2MV1AV
	74	2000	2140	ug/L	103	4.4	SW846 6010B	04/04-04/08/08	KJ2MV1AW
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Vanadium									
	ND	500	530	ug/L	106		SW846 6010B	04/04-04/08/08	KJ2MV1AX
	ND	500	511	ug/L	102	3.7	SW846 6010B	04/04-04/08/08	KJ2MV1A0
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Beryllium									
	ND	50.0	54.4	ug/L	109		SW846 6010B	04/04-04/08/08	KJ2MV1A1
	ND	50.0	52.2	ug/L	104	4.0	SW846 6010B	04/04-04/08/08	KJ2MV1A2
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Silver									
	ND	50.0	52.9	ug/L	106		SW846 6010B	04/04-04/08/08	KJ2MV1A3
	ND	50.0	51.6	ug/L	103	2.5	SW846 6010B	04/04-04/08/08	KJ2MV1A4
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Cobalt									
	ND	500	520	ug/L	104		SW846 6010B	04/04-04/08/08	KJ2MV1A5
	ND	500	503	ug/L	100	3.2	SW846 6010B	04/04-04/08/08	KJ2MV1A6
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Chromium									
	ND	200	220	ug/L	109		SW846 6010B	04/04-04/08/08	KJ2MV1A7
	ND	200	213	ug/L	106	2.9	SW846 6010B	04/04-04/08/08	KJ2MV1A8
			Dilution Factor: 1						
			Analysis Time..: 09:29						
Lead									
	ND	500	526	ug/L	105		SW846 6010B	04/04-04/08/08	KJ2MV1A9
	ND	500	509	ug/L	102	3.2	SW846 6010B	04/04-04/08/08	KJ2MV1CA
			Dilution Factor: 1						
			Analysis Time..: 09:29						

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Chain of Custody Record

XTO
ERI
3/21/08

Temperature on Receipt 0.7, 2.6

Drinking Water? Yes ☐ No ☐

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THE LEADER IN ENVIRONMENTAL TESTING

107

4124 (0907)

Client	Project Manager	Date	Chain of Custody Number
KM	MARK SNYDER		407487
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 2
City / State / Zip Code	Site Contact	Lab Contact: Betsy Sara	
Project Name and Location (State): Piedmont GW	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 134 26744-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		Metals (Int)	VIIA-8260B	Special Instructions/ Conditions of Receipt
MW11D	3-19	1713		X						1	3				1	3	
MW11	3-19	1639		X						1	3				1	3	
MW09R	3-19	1604		X						1	3				1	3	
MW03	3-19	1517		X						1	3				1	3	
MW07	3-19	1450		X						1	3				1	3	
MW10	3-19	1423		X						1	3				1	3	
MW02	3-19	1358		X						1	3				1	3	
MW06	3-19	1329		X						1	3				1	3	
MW01	3-19	1310		X						1	3				1	3	
MW05	3-19	1244		X						1	3				1	3	
MW08	3-19	1217		X						1	3				1	3	
MW04	3-19	1043		X						1	3				1	3	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3-20-08	1600	1. Received By: Lisa Miller	3/21/08	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW11D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 08C210307-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1650	22	106	14	01

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: - — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other _____

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: _____

WELL DATA

Well Elevation (at TOC): 77636 (ft/msl)

Depth to Water (DTW) (from TOC): 28.74 (ft)

Groundwater Elevation (site datum, from TOC): 74762 (ft/msl)

Total Well Depth (from TOC): 93.50 (ft)

Stick Up (from ground elevation): _____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit: L/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1700	0.24 1st	6.07 1st	73 1st	13.4	142	6.7	154.0	
1703	0.24 2nd	5.97 2nd	74 2nd	13.4	121	6.7	157.0	
1706	0.24 3rd	5.97 3rd	74 3rd	13.3	115	6.8	159.0	
1709	0.24 4th	5.96 4th	75 4th	13.3	103	6.8	160.0	
1712	0.24	5.95	75	13.3	98	6.8	162.0	31.7
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
031908	5.95	75	13.3	98	6.8	162.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 16+ Outlook: Cloudy 70°F Precipitation (Y) or N

Specific Comments (including purge/well volume calculations if required):

CALC: 93.50 − 28.74 = 64.76 x 0.163 = 10.56 gallons (vol)

FLOW: 0.24 l/min

ACTUAL: 22 min x 0.24 l/min = 5.28 l (1.41 gallons)

SAMPLE TIME: 1713

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR		PROTECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/09

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW09R (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 003

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1542	22	25	16	06

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: – — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 7649.5 (ft/msl)

Depth to Water (DTW) (from TOC): 27.60 (ft)

Groundwater Elevation (site datum, from TOC): 737.35 (ft/msl)

Total Well Depth (from TOC): 42.95 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit L/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1546	0.27 1st	5.61 1st	471 1st	15.7	0.4	0.6	170	
1549	0.27 2nd	5.58 2nd	472 2nd	15.7	0.3	0.7	180	
1553	0.27 3rd	5.57 3rd	474 3rd	15.7	0.2	0.6	220	
1557	0.27 4th	5.57 4th	476 4th	15.7	0.1	0.6	250	
1600	0.27	5.55	476	15.6	0.1	0.6	260	
1603	0.27	5.54	477	15.6	0.1	0.6	270	27.8
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
031908	5.54	477	15.6	0.1	0.6	276	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR — Odor: NONE — Color: NONE — Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 5-10 — Outlook: cloudy, 70°F — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 42.95 - 27.60 = 15.35 x 0.163 = 2.5 gallons/vol

FLOW: 0.27 l/min

ACTUAL: 22 min x 0.27 l/min = 5.94 l (1.6 gallons)

Sample Time: 1604

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R: 12/00

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW07 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 005

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1433	17	08	08	10

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
771.57 (ft/msl)	26.72 (ft)	744.85 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
31.30 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate (Unit/min)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1437	0.17 1st	5.38 1st	1.49 1st	15.0	62	5.4	179.0	
1440	0.17 2nd	5.34 2nd	1.46 2nd	14.9	56	5.4	183.0	
1443	0.17 3rd	5.32 3rd	1.49 3rd	14.9	48	5.4	186.0	
1446	0.17 4th	5.30 4th	1.50 4th	14.9	43	5.3	188.0	
1449	0.17	5.29	1.51	14.9	41	5.3	189.0	26.9
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (µmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
031908	5.29	1.51	14.9	41	5.3	189.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 10+ Outlook: cloudy 70°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 31.30 - 26.72 = 4.58 x 0.163 = 0.75 gallons/vol

FLOW: 0.17 l/min

ACTUAL: 17 min x 0.17 l/min = 2.89 l (0.8 gallons)

SAMPLE TIME: 1450

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO-TECH
/ /			

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/03

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW02 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 007

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1342	16	11	09	08

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) — 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 77804 (ft/msl)

Depth to Water (DTW) (from TOC): 2902 (ft)

Groundwater Elevation (site datum, from TOC): 74902 (ft/msl)

Total Well Depth (from TOC): 3550 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Units (gpm)		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1345	0.2	1st	533	1st	128		156	08	32	2050	
1348	0.2	2nd	537	2nd	129		156	02	30	2080	
1351	0.2	3rd	532	3rd	129		156	01	28	2100	
1354	0.2	4th	530	4th	130		155	00	28	2130	
1357	0.2		529		130		155	00	28	2140	304
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2		+/- 3%		--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
031908	529	130	155	00	28	2140	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 5-10 Outlook: cloudy 70°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 35.50 − 29.02 = 6.48 x 0.163 = 1.06 gallons

FLOW: 0.20 l/min

ACTUAL: 16 min x 0.2 l/min = 3.2 l (0.9 gallons)

SAMPLE TIME: 1358

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/05

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW01 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 009

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1254	116	09	10	12

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
8393 (ft/msl)	4374 (ft)	7819 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
4900 (ft)	(ft)	2 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit (L/min)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1258	0.24 1st	5.24 1st	78 1st	14.1	62	6.6	171.0	
1301	0.24 2nd	5.26 2nd	76 2nd	14.1	30	6.5	170.0	
1303	0.24 3rd	5.28 3rd	76 3rd	14.0	19	6.5	168.0	
1305	0.24 4th	5.29 4th	77 4th	14.0	14	6.5	168.0	
1307	0.24	5.32	78	14.0	09	6.5	167.0	
1309	0.24	5.33	78	14.0	08	6.5	166.0	44.0
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
031908	5.33	78	14.0	08	6.5	166.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 5-10 Outlook: Cloudy, 75°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 49.00-43.74: 5.26 x 0.163 = 0.86 gallons

FLOW: 0.24 L/min

ACTUAL: 16 min x 0.24 L/min = 3.84 ~~gallons~~ liters (1.02 gallons)

SAMPLE TIME: 1310

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

TestAmerica

FIELD INFORMATION FORM

WM WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW08 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 011

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	1130	47	22	20	09

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 748.95 (ft/msl)

Depth to Water (DTW) (from TOC): 5.61 (ft)

Groundwater Elevation (site datum, from TOC): 743.34 (ft/msl)

Total Well Depth (from TOC): 18.80 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit ~~mL~~ l/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1135	0.16	1st	1st	123				
1140	0.16	2nd	2nd					
1145	0.16	3rd	3rd					
1150	0.16	4th	4th					
1155	0.16							
1200	0.16							
1205	0.16							
1210	0.16	486	131	120	108	26	1710	
1213	0.16	485	129	120	105	26	1720	
1216	0.16	483	129	120	112	26	1740	64
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
031908	483	129	120	112	26	1740	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: CLEAR — Odor: NONE — Color: NONE — Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: NE 0-5 — Outlook: cloudy — Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

CALC: 18.80 - 5.61 = 13.19 x 0.163 = 2.15 gallons

FLOW: 160 ml/min

ACTUAL: 47 min x 0.16 l/min = 7.52 l (2.0 gal)

SAMPLE TIME: 1217

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/09

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW12D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 013

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908	0906	21	62	11	02

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: – A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 7548 (ft/msl)

Depth to Water (DTW) (from TOC): 548 (ft)

Groundwater Elevation (site datum, from TOC): 7460.00 (ft/msl)

Total Well Depth (from TOC): 4330 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 2 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit l/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0910	0.19 1st	6.64 1st	241 1st	14.0	141	2.9	960	
0915	0.19 2nd	6.43 2nd	222 2nd	14.0	136	2.7	920	
0920	0.19 3rd	6.21 3rd	213 3rd	14.0	104	2.7	840	
0923	0.19 4th	6.16 4th	206 4th	13.9	98	2.6	810	
0926	0.19	6.10	202	13.9	93	2.6	800	56
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
031908	6.10	202	13.9	93	2.6	800	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: CLEAR Odor: NONE Color: NONE Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: cloudy Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

CALC: 43.30 - 5.48 = 37.82 x 0.163 = 6.16 gal / vol

FLOW: 190 ml/min

ACTUAL: 21 min x 0.19 l/min = 3.99 l (1.06 gallons)

SAMPLE TIME: 0927

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/19/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: (12/00)

TestAmerica

MW12 CON'T

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW12 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 014 (cont.)

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
03 19 08					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Filter Device: Y or N 0.45 µ or ____ µ (circle or fill in)

Purging Device: A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X-Other:

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit L/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0813	0.12 1st	1st	1st		1186			
0817	0.12 2nd	653 2nd	1310 2nd	134	1261	12	1030	
0842	0.12 3rd	651 3rd	1311 3rd	134	1301	12	1000	
0847	1.0 4th	644 4th	1337 4th	133	733	13	1040	
0852	1.0	640	1339	134	782	13	1080	
0857	1.0	634	1412	135	716	13	1110	
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
(*) 03 20 08	623	124	130	232	15	1280	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

(*) **Sample Appearance:** SLT. CLOUDY Odor: NONE Color: LT. TAN Other: NO SHEEN

(*) **Weather Conditions** (required daily, or as conditions change): Direction/Speed: N 5-10+ Outlook: P.C. 45°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

(*) DATA COLLECTED @ SAMPLE TIME ON 3-20-08

(*) SAMPLE TIME: 0955 ON 3-20-08

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/20/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8028WM R: 12/03

TestAmerica

MW04D (CON'T)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW04D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 015(cont.)

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
031908					

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

Purging Device: A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device

X-Other:

Filter Device: Y or N — 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC) (ft/msl)

Depth to Water (DTW) (from TOC) (ft)

Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)

Stick Up (from ground elevation) (ft)

Casing ID (in)

Casing Material

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit 2L/min	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1122	1.3	1st 5.74	1st 84	15.1	917	5.9	158.0	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
032008	5.66	81	15.0	613	6.1	173.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: NONE Color: LT. TAN Other: No Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: N 5-10 Outlook: P.C. 45°F Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

DATA COLLECTED @ SAMPLE TIME ON 3-20-08

SAMPLE TIME: 0935 ON 3-20-08

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/20/08	DAN ARMOUR		PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/05

APPENDIX A – PART 2

LABORATORY ANALYTICAL RESULTS

Surface Water Monitoring Points

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Project No. Site 134

Piedmont Landfill

Lot #: D8C210283

Surfacewater

Mark Snyder

Waste Management Inc.
Southern Area
2859 Paces Ferry Road Suite 1600
Atlanta, GA 30339

Cc: Van Burbach

TestAmerica Denver
North Carolina Certification # 358

Betsy Sara
Project Manager

April 8, 2008

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.*	97

- **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**

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

The Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

The Matrix Spike and Matrix Spike Duplicate performed on a sample from another client exhibited MSD recoveries outside control limits for Trichloroethene and 1,2-Dichloropropane Method 8260B. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

Sample 3406-S04 was selected to fulfill the laboratory batch quality control requirements for Method 6020. Analysis of the laboratory generated MS/MSD for this sample provided recoveries of Total Arsenic, Total Selenium and Total Zinc below the lower control limits indicating the possible presence of a matrix interference.

All other MS/MSD samples were within established control limits.

Organics

The samples 3406-S02, 3406-S03, 3406-S01 and 3406-S05 were screened and were positive for residual chlorine. Per the North Carolina QAS, these samples were preserved with sodium thiosulfate0 prior to Method 8260B analysis.

EXECUTIVE SUMMARY - Detection Highlights

D8C210283

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
3406-S01 03/20/08 10:45 004				
Arsenic	0.24 B	10	ug/L	SW846 6020
Thallium	0.024 B	5.5	ug/L	SW846 6020
Copper	2.2 B	10	ug/L	SW846 6020
Zinc	6.6 B,J	10	ug/L	SW846 6020
Barium	34 B,J	100	ug/L	SW846 6010B
Vanadium	7.3 B	25	ug/L	SW846 6010B
Chromium	3.2 B	10	ug/L	SW846 6010B
Methylene chloride	0.36 J,B	1.0	ug/L	SW846 8260B
3406-S05 03/20/08 10:25 005				
Arsenic	0.34 B	10	ug/L	SW846 6020
Thallium	0.029 B	5.5	ug/L	SW846 6020
Copper	2.8 B	10	ug/L	SW846 6020
Selenium	0.88 B	10	ug/L	SW846 6020
Zinc	8.1 B,J	10	ug/L	SW846 6020
Barium	37 B,J	100	ug/L	SW846 6010B
Vanadium	7.1 B	25	ug/L	SW846 6010B
Cobalt	1.4 B	10	ug/L	SW846 6010B
Chromium	2.9 B	10	ug/L	SW846 6010B
cis-1,2-Dichloroethene	0.21 J	5.0	ug/L	SW846 8260B
Methylene chloride	0.38 J,B	1.0	ug/L	SW846 8260B
TRIP 03/20/08 006				
Carbon disulfide	0.55 J	100	ug/L	SW846 8260B
Methylene chloride	0.69 J,B	1.0	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

D8C210283

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
ICP-MS (6020)	SW846 6020
Volatile Organics by GC/MS	SW846 8260B

References:

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

SAMPLE SUMMARY

D8C210283

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KJ2FM	001	3406-S02	03/20/08	12:05
KJ2FP	002	3406-S04	03/20/08	11:28
KJ2FQ	003	3406-S03	03/20/08	11:15
KJ2FR	004	3406-S01	03/20/08	10:45
KJ2FV	005	3406-S05	03/20/08	10:25
KJ2FW	006	TRIP	03/20/08	

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.

Waste Management, Inc.

Client Sample ID: 3406-S02

GC/MS Volatiles

Lot-Sample #...: D8C210283-001 **Work Order #...:** KJ2FM1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	ND	5.0	ug/L	0.19
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	101	(75 - 115)
Toluene-d8	85	(78 - 118)

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.

Waste Management, Inc.

Client Sample ID: 3406-S04

GC/MS Volatiles

Lot-Sample #...: D8C210283-002 **Work Order #...:** KJ2FP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	ND	5.0	ug/L	0.19
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(79 - 119)
1,2-Dichloroethane-d4	72	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
Toluene-d8	86	(78 - 118)

Waste Management, Inc.

Client Sample ID: 3406-S03

GC/MS Volatiles

Lot-Sample #...: D8C210283-003 **Work Order #...:** KJ2FQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	**0.20 J**	**5.0**	**ug/L**	**0.19**
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(79 - 119)
1,2-Dichloroethane-d4	86	(65 - 126)
4-Bromofluorobenzene	104	(75 - 115)
Toluene-d8	84	(78 - 118)

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.

Waste Management, Inc.

Client Sample ID: 3406-S01

GC/MS Volatiles

Lot-Sample #...: D8C210283-004 **Work Order #...:** KJ2FR1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	ND	5.0	ug/L	0.19
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(79 - 119)
1,2-Dichloroethane-d4	88	(65 - 126)
4-Bromofluorobenzene	105	(75 - 115)
Toluene-d8	83	(78 - 118)

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.

Waste Management, Inc.

Client Sample ID: 3406-S05

GC/MS Volatiles

Lot-Sample #...: DBC210283-005 **Work Order #...:** KJ2FV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	ND	5.0	ug/L	0.19
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	102	(75 - 115)
Toluene-d8	83	(78 - 118)

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.

Waste Management, Inc.

Client Sample ID: TRIP

GC/MS Volatiles

Lot-Sample #...: D8C210283-006 **Work Order #...:** KJ2FW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1,2-Trichloroethane	ND	1.0	ug/L	0.32
Trichloroethene	ND	1.0	ug/L	0.16
1,2,3-Trichloropropane	ND	1.0	ug/L	0.77
Vinyl acetate	ND	50	ug/L	0.94
Vinyl chloride	ND	1.0	ug/L	0.40
Xylenes (total)	ND	5.0	ug/L	0.19
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	100	ug/L	1.8
Acetone	ND	100	ug/L	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	104	(75 - 115)
Toluene-d8	83	(78 - 118)

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.

Waste Management, Inc.

Client Sample ID: 3406-S02

TOTAL Metals

Lot-Sample #...: D8C210283-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	**4.7 B**	**10**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ2FM1AT**
		Dilution Factor: 1		Analysis Time..: 02:15	MDL.....: 2.6	
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ2FM1AU
		Dilution Factor: 1		Analysis Time..: 02:15	MDL.....: 7.8	

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.

Waste Management, Inc.

Client Sample ID: 3406-S04

TOTAL Metals

Lot-Sample #...: D8C210283-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	**3.1 B**	**10**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ2FP1AT**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 2.6	
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ2FP1AU
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 7.8	

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.

Waste Management, Inc.

Client Sample ID: 3406-S03

TOTAL Metals

Lot-Sample #...: D8C210283-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ2FQ1AT
		Dilution Factor: 1		Analysis Time..: 02:25	MDL.....: 2.6	
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ2FQ1AU
		Dilution Factor: 1		Analysis Time..: 02:25	MDL.....: 7.8	

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.

Waste Management, Inc.

Client Sample ID: 3406-S01

TOTAL Metals

Lot-Sample #...: D8C210283-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ2FR1AT
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 2.6	
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ2FR1AU
		Dilution Factor: 1		Analysis Time..: 02:30	MDL.....: 7.8	

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.

Waste Management, Inc.

Client Sample ID: 3406-S05

TOTAL Metals

Lot-Sample #...: D8C210283-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ2FV1AT
		Dilution Factor: 1		Analysis Time..: 02:35	MDL.....: 2.6	
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ2FV1AU
		Dilution Factor: 1		Analysis Time..: 02:35	MDL.....: 7.8	

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.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8C210283 **Work Order #...:** KKQE61AA **Matrix.....:** WATER
MB Lot-Sample #: D8D040000-189

Prep Date.....: 04/03/08 **Analysis Time..:** 08:40
Analysis Date..: 04/03/08 **Prep Batch #...:** 8095189
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	100	ug/L	SW846 8260B
Acrylonitrile	ND	200	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	3.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	3.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	100	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	3.0	ug/L	SW846 8260B
Dibromochloromethane	ND	3.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	100	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	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
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	50	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.42 J**	**1.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	100	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	3.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D8C210283 **Work Order #...:** KKQE61AC **Matrix.....:** WATER
LCS Lot-Sample#: D8D040000-189
Prep Date.....: 04/03/08 **Analysis Date..:** 04/03/08
Prep Batch #...: 8095189 **Analysis Time..:** 07:48
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**103**	**(68 - 133)**	**SW846 8260B**
Benzene	**103**	**(77 - 118)**	**SW846 8260B**
Chlorobenzene	**107**	**(78 - 118)**	**SW846 8260B**
Toluene	**105**	**(73 - 120)**	**SW846 8260B**
Trichloroethene	**105**	**(78 - 122)**	**SW846 8260B**
Chloroform	**98**	**(78 - 118)**	**SW846 8260B**
1,1-Dichloroethane	**103**	**(77 - 117)**	**SW846 8260B**
1,2-Dichloropropane	**108**	**(76 - 116)**	**SW846 8260B**
Ethylbenzene	**108**	**(78 - 118)**	**SW846 8260B**
Methylene chloride	**107**	**(71 - 119)**	**SW846 8260B**
Tetrachloroethene	**101**	**(77 - 117)**	**SW846 8260B**
1,1,1-Trichloroethane	**96**	**(78 - 118)**	**SW846 8260B**
Carbon tetrachloride	**96**	**(80 - 120)**	**SW846 8260B**
trans-1,2-Dichloroethene	**103**	**(80 - 120)**	**SW846 8260B**
Bromodichloromethane	**100**	**(78 - 118)**	**SW846 8260B**
1,3-Dichlorobenzene	**105**	**(75 - 115)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	92	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	94	(78 - 118)

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 #...: D8C210283 **Work Order #...:** KKCL11DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D8C270326-001 KKCL11DQ-MSD
Date Sampled...: 03/26/08 07:22 **Date Received..:** 03/27/08
Prep Date.....: 04/03/08 **Analysis Date..:** 04/03/08
Prep Batch #...: 8095189 **Analysis Time..:** 12:37
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	105	(68 - 133)			SW846 8260B
	111	(68 - 133)	5.2	(0-20)	SW846 8260B
Benzene	107	(77 - 118)			SW846 8260B
	115	(77 - 118)	6.8	(0-20)	SW846 8260B
Chlorobenzene	93	(78 - 118)			SW846 8260B
	103	(78 - 118)	9.9	(0-20)	SW846 8260B
Toluene	108	(73 - 120)			SW846 8260B
	115	(73 - 120)	6.5	(0-20)	SW846 8260B
Trichloroethene	118	(78 - 122)			SW846 8260B
	126 a	(78 - 122)	7.1	(0-20)	SW846 8260B
Chloroform	108	(78 - 118)			SW846 8260B
	115	(78 - 118)	5.8	(0-20)	SW846 8260B
1,1-Dichloroethane	110	(77 - 117)			SW846 8260B
	114	(77 - 117)	3.9	(0-21)	SW846 8260B
1,2-Dichloropropane	114	(76 - 116)			SW846 8260B
	120 a	(76 - 116)	5.2	(0-20)	SW846 8260B
Ethylbenzene	107	(78 - 118)			SW846 8260B
	118	(78 - 118)	9.3	(0-26)	SW846 8260B
Methylene chloride	108	(71 - 119)			SW846 8260B
	115	(71 - 119)	5.5	(0-20)	SW846 8260B
Tetrachloroethene	89	(77 - 117)			SW846 8260B
	98	(77 - 117)	9.2	(0-20)	SW846 8260B
1,1,1-Trichloroethane	95	(78 - 118)			SW846 8260B
	103	(78 - 118)	7.9	(0-20)	SW846 8260B
Carbon tetrachloride	98	(80 - 120)			SW846 8260B
	106	(80 - 120)	7.5	(0-21)	SW846 8260B
trans-1,2-Dichloroethene	103	(80 - 120)			SW846 8260B
	109	(80 - 120)	5.8	(0-24)	SW846 8260B
Bromodichloromethane	104	(78 - 118)			SW846 8260B
	109	(78 - 118)	5.1	(0-20)	SW846 8260B
1,3-Dichlorobenzene	105	(75 - 115)			SW846 8260B
	111	(75 - 115)	5.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(79 - 119)
	105	(79 - 119)
1,2-Dichloroethane-d4	94	(65 - 126)
	90	(65 - 126)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8C210283 Work Order #...: KKCL11DP-MS Matrix.....: WATER
MS Lot-Sample #: D8C270326-001 KKCL11DQ-MSD
Date Sampled...: 03/26/08 07:22 Date Received..: 03/27/08
Prep Date.....: 04/03/08 Analysis Date..: 04/03/08
Prep Batch #...: 8095189 Analysis Time..: 12:37
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	5.00	5.27	ug/L	105		SW846 8260B
	ND	5.00	5.56	ug/L	111	5.2	SW846 8260B
Benzene	ND	5.00	5.35	ug/L	107		SW846 8260B
	ND	5.00	5.73	ug/L	115	6.8	SW846 8260B
Chlorobenzene	ND	5.00	4.65	ug/L	93		SW846 8260B
	ND	5.00	5.13	ug/L	103	9.9	SW846 8260B
Toluene	ND	5.00	5.39	ug/L	108		SW846 8260B
	ND	5.00	5.76	ug/L	115	6.5	SW846 8260B
Trichloroethene	ND	5.00	5.89	ug/L	118		SW846 8260B
	ND	5.00	6.32	ug/L	126 a	7.1	SW846 8260B
Chloroform	ND	5.00	5.40	ug/L	108		SW846 8260B
	ND	5.00	5.73	ug/L	115	5.8	SW846 8260B
1,1-Dichloroethane	ND	5.00	5.50	ug/L	110		SW846 8260B
	ND	5.00	5.72	ug/L	114	3.9	SW846 8260B
1,2-Dichloropropane	ND	5.00	5.71	ug/L	114		SW846 8260B
	ND	5.00	6.01	ug/L	120 a	5.2	SW846 8260B
Ethylbenzene	ND	5.00	5.37	ug/L	107		SW846 8260B
	ND	5.00	5.89	ug/L	118	9.3	SW846 8260B
Methylene chloride	ND	5.00	5.42	ug/L	108		SW846 8260B
	ND	5.00	5.73	ug/L	115	5.5	SW846 8260B
Tetrachloroethene	ND	5.00	4.46	ug/L	89		SW846 8260B
	ND	5.00	4.89	ug/L	98	9.2	SW846 8260B
1,1,1-Trichloroethane	ND	5.00	4.77	ug/L	95		SW846 8260B
	ND	5.00	5.17	ug/L	103	7.9	SW846 8260B
Carbon tetrachloride	ND	5.00	4.90	ug/L	98		SW846 8260B
	ND	5.00	5.29	ug/L	106	7.5	SW846 8260B
trans-1,2-Dichloroethene	ND	5.00	5.16	ug/L	103		SW846 8260B
	ND	5.00	5.47	ug/L	109	5.8	SW846 8260B
Bromodichloromethane	ND	5.00	5.18	ug/L	104		SW846 8260B
	ND	5.00	5.45	ug/L	109	5.1	SW846 8260B
1,3-Dichlorobenzene	ND	5.00	5.26	ug/L	105		SW846 8260B
	ND	5.00	5.56	ug/L	111	5.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(79 - 119)
	105	(79 - 119)
1,2-Dichloroethane-d4	94	(65 - 126)
	90	(65 - 126)

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D8C250000-384 **Prep Batch #...:** 8085384						
Arsenic	ND	10	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AA
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Cadmium	ND	1.0	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AC
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Antimony	ND	6.0	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AD
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Thallium	ND	5.5	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AE
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Copper	ND	10	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AF
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Selenium	ND	10	ug/L	SW846 6020	04/01-04/02/08	KJ6CK1AG
		Dilution Factor: 1				
		Analysis Time..: 17:49				
Zinc	**2.5 B**	**10**	**ug/L**	**SW846 6020**	**04/01-04/02/08**	**KJ6CK1AH**
		Dilution Factor: 1				
		Analysis Time..: 17:49				
MB Lot-Sample #: D8C250000-429 **Prep Batch #...:** 8085429						
Barium	**2.6 B**	**100**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ6HX1AD**
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Vanadium	ND	25	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AW
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Beryllium	ND	1.0	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AE
		Dilution Factor: 1				
		Analysis Time..: 01:03				

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C250000-384 **Prep Batch #...:** 8085384					
Arsenic	90	(89 - 111)	SW846 6020	04/01-04/02/08	KJ6CK1AJ
		Dilution Factor: 1	Analysis Time..: 17:54		
Cadmium	101	(89 - 111)	SW846 6020	04/01-04/02/08	KJ6CK1AK
		Dilution Factor: 1	Analysis Time..: 17:54		
Antimony	101	(71 - 128)	SW846 6020	04/01-04/02/08	KJ6CK1AL
		Dilution Factor: 1	Analysis Time..: 17:54		
Thallium	106	(86 - 124)	SW846 6020	04/01-04/02/08	KJ6CK1AM
		Dilution Factor: 1	Analysis Time..: 17:54		
Copper	109	(90 - 117)	SW846 6020	04/01-04/02/08	KJ6CK1AN
		Dilution Factor: 1	Analysis Time..: 17:54		
Selenium	82	(82 - 114)	SW846 6020	04/01-04/02/08	KJ6CK1AP
		Dilution Factor: 1	Analysis Time..: 17:54		
Zinc	93	(88 - 118)	SW846 6020	04/01-04/02/08	KJ6CK1AQ
		Dilution Factor: 1	Analysis Time..: 17:54		
LCS Lot-Sample#: D8C250000-429 **Prep Batch #...:** 8085429					
Barium	104	(90 - 112)	SW846 6010B	04/01-04/02/08	KJ6HX1A5
		Dilution Factor: 1	Analysis Time..: 01:08		
Vanadium	109	(90 - 111)	SW846 6010B	04/01-04/02/08	KJ6HX1CN
		Dilution Factor: 1	Analysis Time..: 01:08		
Beryllium	107	(89 - 113)	SW846 6010B	04/01-04/02/08	KJ6HX1A6
		Dilution Factor: 1	Analysis Time..: 01:08		
Silver	110	(86 - 115)	SW846 6010B	04/01-04/02/08	KJ6HX1A3
		Dilution Factor: 1	Analysis Time..: 07:43		
Cobalt	96	(89 - 111)	SW846 6010B	04/01-04/02/08	KJ6HX1A9
		Dilution Factor: 1	Analysis Time..: 01:08		
Chromium	108	(90 - 113)	SW846 6010B	04/01-04/02/08	KJ6HX1CA
		Dilution Factor: 1	Analysis Time..: 07:43		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C250000-384 **Prep Batch #...:** 8085384							
Arsenic	40.0	35.9	ug/L	90	SW846 6020	04/01-04/02/08	KJ6CK1AJ
			Dilution Factor: 1		Analysis Time..: 17:54		
Cadmium	40.0	40.2	ug/L	101	SW846 6020	04/01-04/02/08	KJ6CK1AK
			Dilution Factor: 1		Analysis Time..: 17:54		
Antimony	40.0	40.2	ug/L	101	SW846 6020	04/01-04/02/08	KJ6CK1AL
			Dilution Factor: 1		Analysis Time..: 17:54		
Thallium	40.0	42.6	ug/L	106	SW846 6020	04/01-04/02/08	KJ6CK1AM
			Dilution Factor: 1		Analysis Time..: 17:54		
Copper	40.0	43.6	ug/L	109	SW846 6020	04/01-04/02/08	KJ6CK1AN
			Dilution Factor: 1		Analysis Time..: 17:54		
Selenium	40.0	32.6	ug/L	82	SW846 6020	04/01-04/02/08	KJ6CK1AP
			Dilution Factor: 1		Analysis Time..: 17:54		
Zinc	40.0	37.0	ug/L	93	SW846 6020	04/01-04/02/08	KJ6CK1AQ
			Dilution Factor: 1		Analysis Time..: 17:54		
LCS Lot-Sample#: D8C250000-429 **Prep Batch #...:** 8085429							
Barium	2000	2090	ug/L	104	SW846 6010B	04/01-04/02/08	KJ6HX1A5
			Dilution Factor: 1		Analysis Time..: 01:08		
Vanadium	500	544	ug/L	109	SW846 6010B	04/01-04/02/08	KJ6HX1CN
			Dilution Factor: 1		Analysis Time..: 01:08		
Beryllium	50.0	53.5	ug/L	107	SW846 6010B	04/01-04/02/08	KJ6HX1A6
			Dilution Factor: 1		Analysis Time..: 01:08		
Silver	50.0	54.8	ug/L	110	SW846 6010B	04/01-04/02/08	KJ6HX1A3
			Dilution Factor: 1		Analysis Time..: 07:43		
Cobalt	500	482	ug/L	96	SW846 6010B	04/01-04/02/08	KJ6HX1A9
			Dilution Factor: 1		Analysis Time..: 01:08		
Chromium	200	216	ug/L	108	SW846 6010B	04/01-04/02/08	KJ6HX1CA
			Dilution Factor: 1		Analysis Time..: 07:43		

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER
Date Sampled...: 03/20/08 11:28 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210283-002 **Prep Batch #...:** 8085384							
Arsenic	86 N	(89 - 111)			SW846 6020	04/01-04/02/08	KJ2FP1AV
	86 N	(89 - 111)	0.46	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1AW
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Cadmium	98	(89 - 111)			SW846 6020	04/01-04/02/08	KJ2FP1AX
	98	(89 - 111)	0.05	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1A0
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Antimony	97	(71 - 128)			SW846 6020	04/01-04/02/08	KJ2FP1A1
	94	(71 - 128)	2.3	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1A2
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Thallium	102	(86 - 124)			SW846 6020	04/01-04/02/08	KJ2FP1A3
	103	(86 - 124)	1.0	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1A4
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Copper	103	(90 - 117)			SW846 6020	04/01-04/02/08	KJ2FP1A5
	102	(90 - 117)	0.99	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1A6
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Selenium	77 N	(82 - 114)			SW846 6020	04/01-04/02/08	KJ2FP1A7
	77 N	(82 - 114)	0.22	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1A8
		Dilution Factor: 1					
		Analysis Time..: 18:28					
Zinc	88	(88 - 118)			SW846 6020	04/01-04/02/08	KJ2FP1A9
	86 N	(88 - 118)	1.4	(0-20)	SW846 6020	04/01-04/02/08	KJ2FP1CA
		Dilution Factor: 1					
		Analysis Time..: 18:28					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:00 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210206-001 **Prep Batch #...:** 8085429							
Barium	100	(85 - 120)			SW846 6010B	04/01-04/02/08	KJ1RV1CW
	101	(85 - 120)	0.30	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1CX
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Vanadium	107	(85 - 120)			SW846 6010B	04/01-04/02/08	KJ1RV1D0
	107	(85 - 120)	0.23	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1D1
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Beryllium	102	(79 - 121)			SW846 6010B	04/01-04/02/08	KJ1RV1C0
	102	(79 - 121)	0.03	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1C1
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Silver	110	(75 - 141)			SW846 6010B	04/01-04/02/08	KJ1RV1CR
	111	(75 - 141)	0.62	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1CT
		Dilution Factor: 1					
		Analysis Time..: 08:04					
Cobalt	93	(82 - 119)			SW846 6010B	04/01-04/02/08	KJ1RV1C6
	92	(82 - 119)	0.84	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1C7
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Chromium	101	(73 - 135)			SW846 6010B	04/01-04/02/08	KJ1RV1C8
	103	(73 - 135)	1.9	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1C9
		Dilution Factor: 1					
		Analysis Time..: 08:04					
Lead	91	(89 - 121)			SW846 6010B	04/01-04/02/08	KJ1RV1DM
	90	(89 - 121)	0.56	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1DN
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Nickel	96	(84 - 120)			SW846 6010B	04/01-04/02/08	KJ1RV1DK
	96	(84 - 120)	0.01	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1DL
		Dilution Factor: 1					
		Analysis Time..: 01:28					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210283 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:00 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	230	500	708	ug/L	96		SW846 6010B	04/01-04/02/08	KJ1RV1DK
	230	500	708	ug/L	96	0.01	SW846 6010B	04/01-04/02/08	KJ1RV1DL

Dilution Factor: 1
Analysis Time..: 01:28

NOTE(S):

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

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: S02 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D8C210283-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
032008	—	—	—	—	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Purging Device: —
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X

X-Other: Sample Bottles

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (in)	Casing Material
		—	

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1205	NA	1st 7.11	1st 91	12.4	11.19	4.9	107.0	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
032008	7.11	91	12.4	11.19	4.9	107.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: NONE Color: LT. TAN Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: N 5-10 Outlook: P.C. 55°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

HEAVY RAINFALL EVENING PRIOR TO SAMPLING

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/20/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: S03 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 003

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
032008	—	—	—	—	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: Y or (N) 0.45 μ or ____ μ (circle or fill in)

Purging Device: —
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X

X-Other: Sample Bottles

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) (ft/msl)	Depth to Water (DTW) (from TOC) (ft)	Groundwater Elevation (site datum, from TOC) (ft/msl)

Total Well Depth (from TOC) (ft)	Stick Up (from ground elevation) (ft)	Casing ID (in)	Casing Material
		—	

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1115	NA	1st 723	1st 74	104	502	51	1240	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
032008	723	74	104	502	51	1240	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: NONE Color: LT. TAN Other: NO SHEEN

Weather Conditions (required daily, or as conditions change): Direction/Speed: N 5-10 Outlook: P.C. 55°F Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

HEAVY RAINFALL EVENING PRIOR TO SAMPLING

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/20/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/05

TestAmerica

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: S05 (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 005

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
032008	—	—	—	—	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: —
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: X

X-Other: SAMPLE BOTTLES

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC) ____ (ft/msl)

Depth to Water (DTW) (from TOC) ____ (ft)

Groundwater Elevation (site datum, from TOC) ____ (ft/msl)

Total Well Depth (from TOC) ____ (ft)

Stick Up (from ground elevation) ____ (ft)

Casing ID ____ (in)

Casing Material ____

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1025	NA	1st 6.84	1st 103	9.4	448	4.6	119.0	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units ____
032008	6.84	103	9.4	448	4.6	119.0	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: SLT. CLOUDY Odor: NONE Color: LT. TAN Other: NO Sheen

Weather Conditions (required daily, or as conditions change): Direction/Speed: N 10+ Outlook: P.C. 45°C Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

VERY HEAVY RAINFALL EVENING PRIOR TO SAMPLING.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
3/20/08	DAN ARMOUR	[signature]	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

APPENDIX A – PART 3

LABORATORY ANALYTICAL RESULTS

Leachate

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Project No. Site 134

Piedmont Landfill

Lot #: D8C210208

Leachate

Mark Snyder and Al Lacsamana

Waste Management Inc.
Southern Area
2859 Paces Ferry Road Suite 1600
Atlanta, GA 30339

Cc: Van Burbach

TestAmerica Denver
North Carolina Certification # 358

Betsy Sara
Project Manager

April 9, 2008

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.*	68

- **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**

Method Blanks

Methylene Chloride Method 8260B, Total Calcium, Total Sodium, Total Barium Method 6010B and Sulfate Method 375.4 and Total Alkalinity Method 310.1 were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

The Method 353.2 LCSD for Nitrate was above control limits. Because the data are considered to be biased high and the sample 3406-T01 was non-detect for Nitrate, corrective action was deemed unnecessary.

All other Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

The Matrix Spike and Matrix Spike Duplicate performed on a sample from another client exhibited MSD recoveries outside control limits for 1,2-Dichloropropane and Trichloroethene Method 8260B. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

Sample 3406-T01 was selected to fulfill the laboratory batch quality control requirements for Method 7470A. Analysis of the laboratory generated MS/MSD for this sample provided recoveries of Total Mercury below the lower control limits indicating the possible presence of a matrix interference.

The percent recoveries and/or the relative percent difference of the MS/MSD performed on a sample from another client were not calculated for Total Sodium during Method 6010B because the sample concentration was greater than four times the spike amount.

Due to the result concentration exceeding the calibration range the MS/MSD results for Sulfate Method 375.4 are estimated. The Method 375.4 MS/MSD was performed on a sample from another client.

All other MS/MSD samples were within established control limits.

Sample Duplicate

The RPD for Total Suspended Solids Method 160.2 performed on a sample from another client was outside control limits. Because all other QC and calibration criteria were met no corrective action was needed.

EXECUTIVE SUMMARY - Detection Highlights

D8C210208

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
3406-T01 03/20/08 11:45 001				
Cadmium	0.052 B	1.0	ug/L	SW846 6020
Arsenic	21	5.0	ug/L	SW846 6020
Beryllium	0.17 B	1.0	ug/L	SW846 6020
Antimony	2.5	2.0	ug/L	SW846 6020
Potassium	250000	3000	ug/L	SW846 6010B
Magnesium	44000	200	ug/L	SW846 6010B
Calcium	46000 J	200	ug/L	SW846 6010B
Manganese	640	10	ug/L	SW846 6010B
Iron	6300	100	ug/L	SW846 6010B
Sodium	860000 J	5000	ug/L	SW846 6010B
Barium	750 J	100	ug/L	SW846 6010B
Chromium	67	10	ug/L	SW846 6010B
Nickel	160	50	ug/L	SW846 6010B
Vanadium	40	25	ug/L	SW846 6010B
Zinc	12 B	20	ug/L	SW846 6010B
Cobalt	24	10	ug/L	SW846 6010B
Acetone	890 J	1000	ug/L	SW846 8260B
Benzene	6.5 J	30	ug/L	SW846 8260B
2-Butanone (MEK)	1100	1000	ug/L	SW846 8260B
1,4-Dichlorobenzene	4.5 J	30	ug/L	SW846 8260B
Ethylbenzene	16 J	50	ug/L	SW846 8260B
Methylene chloride	5.2 J,B	55	ug/L	SW846 8260B
4-Methyl-2-pentanone	35 J	1000	ug/L	SW846 8260B
Toluene	24 J	50	ug/L	SW846 8260B
Xylenes (total)	55	40	ug/L	SW846 8260B
Total Dissolved Solids	2200 Q	20	mg/L	MCAWW 160.1
Total Suspended Solids	67	4.0	mg/L	MCAWW 160.2
Biochemical Oxygen Demand (BOD)	91 Q	10	mg/L	MCAWW 405.1
Chloride	850 Q	15	mg/L	MCAWW 300.0A
Total Organic Carbon	170 Q	4.0	mg/L	MCAWW 415.1
Total phosphorus	0.90	0.050	mg/L	MCAWW 365.3
Sulfate	3.9 B,J	5.0	mg/L	MCAWW 375.4
Bicarbonate, as CaCO3	2000	5.0	mg/L	MCAWW 310.1
Total Alkalinity	2000 J	5.0	mg/L	MCAWW 310.1
Ammonia as N	310 Q	10	mg/L	MCAWW 350.1
Chemical Oxygen Demand (COD)	450 Q	250	mg/L	MCAWW 410.4

(Continued on next page)

PREPARATION METHODS SUMMARY

D8C210208

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Metals by ICPMS	SW846 3020A	SW846 6020
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Ammonia preparation	MCAWW 350.1	MCAWW 350.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Non-Filterable Residue (TSS)	MCAWW 160.2	MCAWW 160.2
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Result obtained by calculation	MCAWW 353.2	MCAWW 353.2
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Phosphorus	MCAWW 365.3	MCAWW 365.3
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D8C210208

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	ReAnna Davis	002266
MCAWW 160.2	Keri Dwire	008821
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 310.1	Keri Dwire	008821
MCAWW 350.1	Kevin Bloom	006134
MCAWW 353.2	Kevin Bloom	006134
MCAWW 365.3	Kim Bertha	007985
MCAWW 375.4	Kim Bertha	007985
MCAWW 405.1	Sarah Lambert	005039
MCAWW 410.4	Kim Bertha	007985
MCAWW 415.1	ReAnna Davis	002266
SW846 6010B	Lynn-Anne Trudell	6645
SW846 6020	Thomas Lill	6929
SW846 7470A	Christopher Grisdale	9582
SW846 8260B	Ashley Wolfe	004211
SW846 8260B	Daniel Natan	001552

References:

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

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

Waste Management, Inc.

Client Sample ID: 3406-T01

GC/MS Volatiles

Lot-Sample #...: D8C210208-001 **Work Order #...:** KJ1T01AG **Matrix.....:** WATER
Date Sampled...: 03/20/08 11:45 **Date Received..:** 03/21/08
Prep Date.....: 04/03/08 **Analysis Date..:** 04/03/08
Prep Batch #...: 8095189 **Analysis Time..:** 11:14
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**890 J**	**1000**	**ug/L**	**19**
Acrylonitrile	ND	2000	ug/L	14
Benzene	**6.5 J**	**30**	**ug/L**	**1.6**
Bromochloromethane	ND	30	ug/L	1.0
Bromodichloromethane	ND	30	ug/L	1.7
Bromoform	ND	30	ug/L	1.9
Bromomethane	ND	100	ug/L	2.1
2-Butanone (MEK)	**1100**	**1000**	**ug/L**	**18**
Carbon disulfide	ND	1000	ug/L	4.5
Carbon tetrachloride	ND	55	ug/L	1.9
Chlorobenzene	ND	30	ug/L	1.7
Dibromochloromethane	ND	30	ug/L	1.7
Chloroethane	ND	100	ug/L	4.1
Chloroform	ND	50	ug/L	1.6
Chloromethane	ND	55	ug/L	3.0
1,2-Dibromo-3-chloropropane (DBCP)	ND	130	ug/L	15
1,2-Dibromoethane (EDB)	ND	30	ug/L	1.8
Dibromomethane	ND	100	ug/L	1.7
1,2-Dichlorobenzene	ND	100	ug/L	1.3
1,4-Dichlorobenzene	**4.5 J**	**30**	**ug/L**	**1.6**
trans-1,4-Dichloro-2-butene	ND	1000	ug/L	8.0
1,1-Dichloroethane	ND	50	ug/L	1.6
1,2-Dichloroethane	ND	30	ug/L	1.3
cis-1,2-Dichloroethene	ND	50	ug/L	1.5
trans-1,2-Dichloroethene	ND	50	ug/L	1.5
1,1-Dichloroethene	ND	50	ug/L	1.4
1,2-Dichloropropane	ND	30	ug/L	1.3
cis-1,3-Dichloropropene	ND	55	ug/L	1.6
trans-1,3-Dichloropropene	ND	55	ug/L	1.9
Ethylbenzene	**16 J**	**50**	**ug/L**	**1.6**
2-Hexanone	ND	500	ug/L	14
Iodomethane	ND	100	ug/L	2.3
Methylene chloride	**5.2 J,B**	**55**	**ug/L**	**3.2**
4-Methyl-2-pentanone	**35 J**	**1000**	**ug/L**	**10**
Styrene	ND	100	ug/L	1.7
1,1,1,2-Tetrachloroethane	ND	50	ug/L	1.7

(Continued on next page)

Waste Management, Inc.

Client Sample ID: TRIP

GC/MS Volatiles

Lot-Sample #...: D8C210208-002 **Work Order #...:** KJ1VD1AA **Matrix.....:** WATER
Date Sampled...: 03/20/08 **Date Received..:** 03/21/08
Prep Date.....: 03/28/08 **Analysis Date..:** 03/28/08
Prep Batch #...: 8091402 **Analysis Time..:** 14:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	100	ug/L	1.9
Acrylonitrile	ND	200	ug/L	1.4
Benzene	ND	3.0	ug/L	0.16
Bromochloromethane	ND	3.0	ug/L	0.10
Bromodichloromethane	ND	3.0	ug/L	0.17
Bromoform	ND	3.0	ug/L	0.19
Bromomethane	ND	10	ug/L	0.21
2-Butanone (MEK)	ND	100	ug/L	1.8
Carbon disulfide	ND	100	ug/L	0.45
Carbon tetrachloride	ND	5.5	ug/L	0.19
Chlorobenzene	ND	3.0	ug/L	0.17
Dibromochloromethane	ND	3.0	ug/L	0.17
Chloroethane	ND	10	ug/L	0.41
Chloroform	ND	5.0	ug/L	0.16
Chloromethane	ND	5.5	ug/L	0.30
1,2-Dibromo-3-chloropropane (DBCP)	ND	13	ug/L	1.5
1,2-Dibromoethane (EDB)	ND	3.0	ug/L	0.18
Dibromomethane	ND	10	ug/L	0.17
1,2-Dichlorobenzene	ND	10	ug/L	0.13
1,4-Dichlorobenzene	ND	3.0	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	100	ug/L	0.80
1,1-Dichloroethane	ND	5.0	ug/L	0.16
1,2-Dichloroethane	ND	3.0	ug/L	0.13
cis-1,2-Dichloroethene	ND	5.0	ug/L	0.15
trans-1,2-Dichloroethene	ND	5.0	ug/L	0.15
1,1-Dichloroethene	ND	5.0	ug/L	0.14
1,2-Dichloropropane	ND	3.0	ug/L	0.13
cis-1,3-Dichloropropene	ND	5.5	ug/L	0.16
trans-1,3-Dichloropropene	ND	5.5	ug/L	0.19
Ethylbenzene	ND	5.0	ug/L	0.16
2-Hexanone	ND	50	ug/L	1.4
Iodomethane	ND	10	ug/L	0.23
Methylene chloride	**0.48 J**	**5.5**	**ug/L**	**0.32**
4-Methyl-2-pentanone	ND	100	ug/L	1.0
Styrene	ND	10	ug/L	0.17
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.17

(Continued on next page)

Waste Management, Inc.

Client Sample ID: 3406-T01

TOTAL Metals

Lot-Sample #...: D8C210208-001 **Matrix.....:** WATER
Date Sampled...: 03/20/08 11:45 **Date Received..:** 03/21/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 8084400						
Mercury	ND	0.20	ug/L	SW846 7470A	03/26/08	KJ1T01AM
		Dilution Factor: 1		Analysis Time..: 18:22	MDL.....: 0.027	
Prep Batch #...: 8085365						
Thallium	ND	1.0	ug/L	SW846 6020	03/27-04/01/08	KJ1T01AA
		Dilution Factor: 1		Analysis Time..: 21:05	MDL.....: 0.020	
Cadmium	**0.052 B**	**1.0**	**ug/L**	**SW846 6020**	**03/27-04/01/08**	**KJ1T01AC**
		Dilution Factor: 1		Analysis Time..: 21:05	MDL.....: 0.040	
Arsenic	**21**	**5.0**	**ug/L**	**SW846 6020**	**03/27-04/01/08**	**KJ1T01AD**
		Dilution Factor: 1		Analysis Time..: 21:05	MDL.....: 0.21	
Beryllium	**0.17 B**	**1.0**	**ug/L**	**SW846 6020**	**03/27-04/01/08**	**KJ1T01AE**
		Dilution Factor: 1		Analysis Time..: 21:05	MDL.....: 0.080	
Antimony	**2.5**	**2.0**	**ug/L**	**SW846 6020**	**03/27-04/01/08**	**KJ1T01AF**
		Dilution Factor: 1		Analysis Time..: 21:05	MDL.....: 0.070	
Prep Batch #...: 8085429						
Potassium	**250000**	**3000**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01AR**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 240	
Magnesium	**44000**	**200**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01AT**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 43	
Calcium	**46000 J**	**200**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01A0**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 34	
Manganese	**640**	**10**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01A1**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 1.8	
Iron	**6300**	**100**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01A2**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 22	
Sodium	**860000 J**	**5000**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ1T01A4**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 92	

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Waste Management, Inc.

Client Sample ID: 3406-T01

General Chemistry

Lot-Sample #...: D8C210208-001 **Work Order #...:** KJ1T0 **Matrix.....:** WATER
Date Sampled...: 03/20/08 11:45 **Date Received..:** 03/21/08

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	**310 Q**	**10**	**mg/L**	**MCAWW 350.1**	**04/07/08**	**8099506**
		Dilution Factor: 250		Analysis Time..: 18:53	MDL.....: 5.6	
Bicarbonate, as CaCO 3	**2000**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/30/08**	**8092430**
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 1.1	
Biochemical Oxygen Demand (BOD)	**91 Q**	**10**	**mg/L**	**MCAWW 405.1**	**03/21/08**	**8081385**
		Dilution Factor: 5		Analysis Time..: 12:30	MDL.....: 1.5	
Carbonate, as CaCO3	ND	5.0	mg/L	MCAWW 310.1	03/30/08	8092434
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 1.1	
Chemical Oxygen Demand (COD)	**450 Q**	**250**	**mg/L**	**MCAWW 410.4**	**03/28-04/01/08**	**8092160**
		Dilution Factor: 5		Analysis Time..: 08:00	MDL.....: 20	
Chloride	**850 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**03/30/08**	**8091408**
		Dilution Factor: 50		Analysis Time..: 22:13	MDL.....: 13	
Nitrate	ND	0.50	mg/L	MCAWW 353.2	03/21/08	8093363
		Dilution Factor: 1		Analysis Time..: 15:45	MDL.....: 0.019	
Sulfate	**3.9 B,J**	**5.0**	**mg/L**	**MCAWW 375.4**	**03/25/08**	**8085452**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 2.5	
Total phosphorus	**0.90**	**0.050**	**mg/L**	**MCAWW 365.3**	**03/26/08**	**8086445**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0050	
Total Alkalinity	**2000 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/30/08**	**8092423**
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 1.1	
Total Dissolved Solids	**2200 Q**	**20**	**mg/L**	**MCAWW 160.1**	**03/25/08**	**8085550**
		Dilution Factor: 2		Analysis Time..: 18:30	MDL.....: 9.4	
Total Organic Carbon	**170 Q**	**4.0**	**mg/L**	**MCAWW 415.1**	**04/02/08**	**8093518**
		Dilution Factor: 4		Analysis Time..: 14:34	MDL.....: 0.62	
Total Suspended Solids	**67**	**4.0**	**mg/L**	**MCAWW 160.2**	**03/25/08**	**8085563**
		Dilution Factor: 1		Analysis Time..: 20:00	MDL.....: 1.1	

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QC DATA ASSOCIATION SUMMARY

D8C210208

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		8085550	8088255
	WATER	MCAWW 160.2		8085563	8087126
	WATER	MCAWW 310.1		8092434	
	WATER	MCAWW 353.2		8093363	
	WATER	MCAWW 405.1		8081385	8087094
	WATER	MCAWW 300.0A		8091408	8091247
	WATER	MCAWW 415.1		8093518	8093274
	WATER	MCAWW 365.3		8086445	8086288
	WATER	SW846 6020		8085365	8085199
	WATER	SW846 7470A		8084400	8084243
	WATER	SW846 8260B		8095189	8095142
	WATER	SW846 6010B		8085429	8085245
	WATER	MCAWW 375.4		8085452	8085282
	WATER	MCAWW 310.1		8092430	
	WATER	MCAWW 310.1		8092423	8092262
	WATER	MCAWW 350.1		8099506	8099264
	WATER	MCAWW 410.4		8092160	8092095
002	WATER	SW846 8260B		8091402	8091246

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8C210208 **Work Order #...:** KKG401AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	3.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	8.0	ug/L	SW846 8260B
Vinyl acetate	ND	50	ug/L	SW846 8260B
Vinyl chloride	ND	5.5	ug/L	SW846 8260B
Xylenes (total)	ND	4.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(79 - 119)
1,2-Dichloroethane-d4	80	(65 - 126)
4-Bromofluorobenzene	108	(75 - 115)
Toluene-d8	109	(78 - 118)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D8C210208 **Work Order #...:** KKQE61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	3.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	8.0	ug/L	SW846 8260B
Vinyl acetate	ND	50	ug/L	SW846 8260B
Vinyl chloride	ND	5.5	ug/L	SW846 8260B
Xylenes (total)	ND	4.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
4-Bromofluorobenzene	104	(75 - 115)
Toluene-d8	83	(78 - 118)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8C210208 **Work Order #...:** KKG401AC **Matrix.....:** WATER
LCS Lot-Sample#: D8C310000-402
Prep Date.....: 03/28/08 **Analysis Date..:** 03/28/08
Prep Batch #...: 8091402 **Analysis Time..:** 07:41
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**5.00**	**5.16**	**ug/L**	**103**	**SW846 8260B**
1,3-Dichlorobenzene	**5.00**	**5.14**	**ug/L**	**103**	**SW846 8260B**
Bromodichloromethane	**5.00**	**4.72**	**ug/L**	**94**	**SW846 8260B**
Carbon tetrachloride	**5.00**	**4.62**	**ug/L**	**92**	**SW846 8260B**
Chlorobenzene	**5.00**	**4.87**	**ug/L**	**97**	**SW846 8260B**
Chloroform	**5.00**	**4.78**	**ug/L**	**96**	**SW846 8260B**
1,1-Dichloroethane	**5.00**	**4.73**	**ug/L**	**95**	**SW846 8260B**
trans-1,2-Dichloroethene	**5.00**	**4.97**	**ug/L**	**99**	**SW846 8260B**
1,1-Dichloroethene	**5.00**	**6.56**	**ug/L**	**131**	**SW846 8260B**
1,2-Dichloropropane	**5.00**	**4.77**	**ug/L**	**95**	**SW846 8260B**
Ethylbenzene	**5.00**	**5.28**	**ug/L**	**106**	**SW846 8260B**
Methylene chloride	**5.00**	**5.13**	**ug/L**	**103**	**SW846 8260B**
Tetrachloroethene	**5.00**	**5.07**	**ug/L**	**101**	**SW846 8260B**
Toluene	**5.00**	**5.48**	**ug/L**	**110**	**SW846 8260B**
1,1,1-Trichloroethane	**5.00**	**4.67**	**ug/L**	**93**	**SW846 8260B**
Trichloroethene	**5.00**	**5.10**	**ug/L**	**102**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(79 - 119)
1,2-Dichloroethane-d4	81	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	109	(78 - 118)

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 #...: D8C210208 **Work Order #...:** KKQE61AC **Matrix.....:** WATER
LCS Lot-Sample#: D8D040000-189
Prep Date.....: 04/03/08 **Analysis Date..:** 04/03/08
Prep Batch #...: 8095189 **Analysis Time..:** 07:48
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**5.00**	**5.16**	**ug/L**	**103**	**SW846 8260B**
1,3-Dichlorobenzene	**5.00**	**5.23**	**ug/L**	**105**	**SW846 8260B**
Bromodichloromethane	**5.00**	**4.98**	**ug/L**	**100**	**SW846 8260B**
Carbon tetrachloride	**5.00**	**4.82**	**ug/L**	**96**	**SW846 8260B**
Chlorobenzene	**5.00**	**5.33**	**ug/L**	**107**	**SW846 8260B**
Chloroform	**5.00**	**4.92**	**ug/L**	**98**	**SW846 8260B**
1,1-Dichloroethane	**5.00**	**5.16**	**ug/L**	**103**	**SW846 8260B**
trans-1,2-Dichloroethene	**5.00**	**5.16**	**ug/L**	**103**	**SW846 8260B**
1,1-Dichloroethene	**5.00**	**5.16**	**ug/L**	**103**	**SW846 8260B**
1,2-Dichloropropane	**5.00**	**5.39**	**ug/L**	**108**	**SW846 8260B**
Ethylbenzene	**5.00**	**5.40**	**ug/L**	**108**	**SW846 8260B**
Methylene chloride	**5.00**	**5.35**	**ug/L**	**107**	**SW846 8260B**
Tetrachloroethene	**5.00**	**5.03**	**ug/L**	**101**	**SW846 8260B**
Toluene	**5.00**	**5.25**	**ug/L**	**105**	**SW846 8260B**
1,1,1-Trichloroethane	**5.00**	**4.80**	**ug/L**	**96**	**SW846 8260B**
Trichloroethene	**5.00**	**5.25**	**ug/L**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(79 - 119)
1,2-Dichloroethane-d4	92	(65 - 126)
4-Bromofluorobenzene	107	(75 - 115)
Toluene-d8	94	(78 - 118)

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 #...: D8C210208 **Work Order #...:** KKG421AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8C130119-012 KKG421AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	102	(75 - 115)
	103	(75 - 115)
Toluene-d8	104	(78 - 118)
	103	(78 - 118)

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 #...: D8C210208 **Work Order #...:** KKG421AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D8C130119-012 KKG421AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	102	(75 - 115)
	103	(75 - 115)
Toluene-d8	104	(78 - 118)
	103	(78 - 118)

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 #...: D8C210208 **Work Order #...:** KKCL11DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D8C270326-001 KKCL11DQ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	106	(75 - 115)
	106	(75 - 115)
Toluene-d8	82	(78 - 118)
	83	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D8C210208 **Work Order #...:** KKCL11DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D8C270326-001 KKCL11DQ-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	106	(75 - 115)
	106	(75 - 115)
Toluene-d8	82	(78 - 118)
	83	(78 - 118)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1A1
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Sodium	**110 B**	**5000**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ6HX1AN**
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Barium	**2.6 B**	**100**	**ug/L**	**SW846 6010B**	**04/01-04/02/08**	**KJ6HX1AD**
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Chromium	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AJ
		Dilution Factor: 1				
		Analysis Time..: 07:38				
Copper	ND	15	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AK
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Nickel	ND	50	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AP
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Lead	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AQ
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Selenium	ND	15	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AT
		Dilution Factor: 1				
		Analysis Time..: 07:38				
Vanadium	ND	25	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AW
		Dilution Factor: 1				
		Analysis Time..: 01:03				
Zinc	ND	20	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AX
		Dilution Factor: 1				
		Analysis Time..: 07:38				
Silver	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AA
		Dilution Factor: 1				
		Analysis Time..: 07:38				
Cobalt	ND	10	ug/L	SW846 6010B	04/01-04/02/08	KJ6HX1AH
		Dilution Factor: 1				
		Analysis Time..: 01:03				

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C240000-400 **Prep Batch #...:** 8084400					
Mercury	102	(88 - 111)	SW846 7470A	03/26/08	KJ4WN1AC
		Dilution Factor: 1	Analysis Time..: 17:56		
LCS Lot-Sample#: D8C250000-365 **Prep Batch #...:** 8085365					
Thallium	105	(86 - 124)	SW846 6020	03/27-04/01/08	KJ5941A6
		Dilution Factor: 1	Analysis Time..: 19:33		
Cadmium	94	(89 - 111)	SW846 6020	03/27-04/01/08	KJ5941AX
		Dilution Factor: 1	Analysis Time..: 19:33		
Arsenic	90	(89 - 111)	SW846 6020	03/27-04/01/08	KJ5941AU
		Dilution Factor: 1	Analysis Time..: 19:33		
Beryllium	93	(76 - 132)	SW846 6020	03/27-04/01/08	KJ5941AW
		Dilution Factor: 1	Analysis Time..: 19:33		
Antimony	100	(71 - 128)	SW846 6020	03/27-04/01/08	KJ5941AT
		Dilution Factor: 1	Analysis Time..: 19:33		
LCS Lot-Sample#: D8C250000-429 **Prep Batch #...:** 8085429					
Potassium	100	(89 - 114)	SW846 6010B	04/01-04/02/08	KJ6HX1CD
		Dilution Factor: 1	Analysis Time..: 01:08		
Magnesium	107	(90 - 113)	SW846 6010B	04/01-04/02/08	KJ6HX1CE
		Dilution Factor: 1	Analysis Time..: 01:08		
Calcium	97	(90 - 111)	SW846 6010B	04/01-04/02/08	KJ6HX1A7
		Dilution Factor: 1	Analysis Time..: 01:08		
Manganese	100	(90 - 110)	SW846 6010B	04/01-04/02/08	KJ6HX1CT
		Dilution Factor: 1	Analysis Time..: 01:08		
Iron	100	(89 - 115)	SW846 6010B	04/01-04/02/08	KJ6HX1CR
		Dilution Factor: 1	Analysis Time..: 01:08		
Sodium	107	(90 - 115)	SW846 6010B	04/01-04/02/08	KJ6HX1CF
		Dilution Factor: 1	Analysis Time..: 01:08		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D8C240000-400 **Prep Batch #...:** 8084400							
Mercury	5.00	5.11	ug/L	102	SW846 7470A	03/26/08	KJ4WN1AC
			Dilution Factor: 1		Analysis Time..: 17:56		
LCS Lot-Sample#: D8C250000-365 **Prep Batch #...:** 8085365							
Thallium	40.0	42.1	ug/L	105	SW846 6020	03/27-04/01/08	KJ5941A6
			Dilution Factor: 1		Analysis Time..: 19:33		
Cadmium	40.0	37.7	ug/L	94	SW846 6020	03/27-04/01/08	KJ5941AX
			Dilution Factor: 1		Analysis Time..: 19:33		
Arsenic	40.0	35.8	ug/L	90	SW846 6020	03/27-04/01/08	KJ5941AU
			Dilution Factor: 1		Analysis Time..: 19:33		
Beryllium	40.0	37.2	ug/L	93	SW846 6020	03/27-04/01/08	KJ5941AW
			Dilution Factor: 1		Analysis Time..: 19:33		
Antimony	40.0	39.8	ug/L	100	SW846 6020	03/27-04/01/08	KJ5941AT
			Dilution Factor: 1		Analysis Time..: 19:33		
LCS Lot-Sample#: D8C250000-429 **Prep Batch #...:** 8085429							
Potassium	50000	50200	ug/L	100	SW846 6010B	04/01-04/02/08	KJ6HX1CD
			Dilution Factor: 1		Analysis Time..: 01:08		
Magnesium	50000	53600	ug/L	107	SW846 6010B	04/01-04/02/08	KJ6HX1CE
			Dilution Factor: 1		Analysis Time..: 01:08		
Calcium	50000	48300	ug/L	97	SW846 6010B	04/01-04/02/08	KJ6HX1A7
			Dilution Factor: 1		Analysis Time..: 01:08		
Manganese	500	502	ug/L	100	SW846 6010B	04/01-04/02/08	KJ6HX1CT
			Dilution Factor: 1		Analysis Time..: 01:08		
Iron	1000	1000	ug/L	100	SW846 6010B	04/01-04/02/08	KJ6HX1CR
			Dilution Factor: 1		Analysis Time..: 01:08		
Sodium	50000	53500	ug/L	107	SW846 6010B	04/01-04/02/08	KJ6HX1CF
			Dilution Factor: 1		Analysis Time..: 01:08		

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/18/08 08:20 **Date Received..:** 03/19/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C190172-001 **Prep Batch #...:** 8084400							
Mercury	102	(88 - 111)			SW846 7470A	03/26/08	KJT8E1A5
	98	(88 - 111)	3.7	(0-10)	SW846 7470A	03/26/08	KJT8E1A6

Dilution Factor: 1
Analysis Time..: 18:01

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/20/08 11:45 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210208-001 **Prep Batch #...:** 8084400							
Mercury	76 N	(88 - 111)			SW846 7470A	03/26/08	KJ1T01CH
	77 N	(88 - 111)	0.26	(0-10)	SW846 7470A	03/26/08	KJ1T01CJ

Dilution Factor: 1
Analysis Time..: 18:24

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/19/08 09:55 **Date Received..:** 03/20/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C200231-003 **Prep Batch #...:** 8085365							
Thallium	105	(86 - 124)			SW846 6020	03/27-04/01/08	KJXM61C7
	102	(86 - 124)	2.5	(0-20)	SW846 6020	03/27-04/01/08	KJXM61C8
		Dilution Factor: 1					
		Analysis Time..: 20:07					
Cadmium	92	(89 - 111)			SW846 6020	03/27-04/01/08	KJXM61CQ
	95	(89 - 111)	3.0	(0-20)	SW846 6020	03/27-04/01/08	KJXM61CR
		Dilution Factor: 1					
		Analysis Time..: 20:07					
Arsenic	92	(89 - 111)			SW846 6020	03/27-04/01/08	KJXM61CJ
	92	(89 - 111)	0.17	(0-20)	SW846 6020	03/27-04/01/08	KJXM61CK
		Dilution Factor: 1					
		Analysis Time..: 20:07					
Beryllium	109	(76 - 132)			SW846 6020	03/27-04/01/08	KJXM61CN
	110	(76 - 132)	0.84	(0-20)	SW846 6020	03/27-04/01/08	KJXM61CP
		Dilution Factor: 1					
		Analysis Time..: 20:07					
Antimony	101	(71 - 128)			SW846 6020	03/27-04/01/08	KJXM61CG
	103	(71 - 128)	2.0	(0-20)	SW846 6020	03/27-04/01/08	KJXM61CH
		Dilution Factor: 1					
		Analysis Time..: 20:07					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:00 **Date Received..:** 03/21/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210206-001 **Prep Batch #...:** 8085429							
Potassium	100	(76 - 132)			SW846 6010B	04/01-04/02/08	KJ1RV1DD
	103	(76 - 132)	1.0	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1DE
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Magnesium	98	(62 - 146)			SW846 6010B	04/01-04/02/08	KJ1RV1DF
	103	(62 - 146)	1.6	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1DG
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Calcium	91	(48 - 153)			SW846 6010B	04/01-04/02/08	KJ1RV1C2
	97	(48 - 153)	2.1	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1C3
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Manganese	98	(79 - 121)			SW846 6010B	04/01-04/02/08	KJ1RV1D8
	98	(79 - 121)	0.40	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1D9
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Iron	94	(52 - 155)			SW846 6010B	04/01-04/02/08	KJ1RV1D6
	94	(52 - 155)	0.35	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1D7
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	04/01-04/02/08	KJ1RV1DH
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	04/01-04/02/08	KJ1RV1DJ
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Barium	100	(85 - 120)			SW846 6010B	04/01-04/02/08	KJ1RV1CW
	101	(85 - 120)	0.30	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1CX
		Dilution Factor: 1					
		Analysis Time..: 01:28					
Chromium	101	(73 - 135)			SW846 6010B	04/01-04/02/08	KJ1RV1C8
	103	(73 - 135)	1.9	(0-25)	SW846 6010B	04/01-04/02/08	KJ1RV1C9
		Dilution Factor: 1					
		Analysis Time..: 08:04					

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:00 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8C210206-001 **Prep Batch #...:** 8085429									
Potassium									
	72000	50000	122000	ug/L	100		SW846 6010B	04/01-04/02/08	KJ1RV1DD
	72000	50000	123000	ug/L	103	1.0	SW846 6010B	04/01-04/02/08	KJ1RV1DE
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Magnesium									
	110000	50000	160000	ug/L	98		SW846 6010B	04/01-04/02/08	KJ1RV1DF
	110000	50000	162000	ug/L	103	1.6	SW846 6010B	04/01-04/02/08	KJ1RV1DG
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Calcium									
	98000	50000	143000	ug/L	91		SW846 6010B	04/01-04/02/08	KJ1RV1C2
	98000	50000	146000	ug/L	97	2.1	SW846 6010B	04/01-04/02/08	KJ1RV1C3
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Manganese									
	410	500	901	ug/L	98		SW846 6010B	04/01-04/02/08	KJ1RV1D8
	410	500	905	ug/L	98	0.40	SW846 6010B	04/01-04/02/08	KJ1RV1D9
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Iron									
	47	1000	983	ug/L	94		SW846 6010B	04/01-04/02/08	KJ1RV1D6
	47	1000	987	ug/L	94	0.35	SW846 6010B	04/01-04/02/08	KJ1RV1D7
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Sodium									
	800000	50000	867000	ug/L			SW846 6010B	04/01-04/02/08	KJ1RV1DH
			Qualifiers: NC,MSB						
	800000	50000	886000	ug/L			SW846 6010B	04/01-04/02/08	KJ1RV1DJ
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 01:28						
Barium									
	160	2000	2160	ug/L	100		SW846 6010B	04/01-04/02/08	KJ1RV1CW
	160	2000	2170	ug/L	101	0.30	SW846 6010B	04/01-04/02/08	KJ1RV1CX
			Dilution Factor: 1						
			Analysis Time..: 01:28						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:00 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver									
	ND	50.0	56.0	ug/L	110		SW846 6010B	04/01-04/02/08	KJ1RV1CR
	ND	50.0	56.3	ug/L	111	0.62	SW846 6010B	04/01-04/02/08	KJ1RV1CT
			Dilution Factor: 1						
			Analysis Time..: 08:04						
Cobalt									
	44	500	508	ug/L	93		SW846 6010B	04/01-04/02/08	KJ1RV1C6
	44	500	504	ug/L	92	0.84	SW846 6010B	04/01-04/02/08	KJ1RV1C7
			Dilution Factor: 1						
			Analysis Time..: 01:28						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D8C210208 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: KKJW01AA		MB Lot-Sample #:	D8D010000-423	
	1.3 B	5.0	mg/L	MCAWW 310.1	03/30/08	8092423
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Dissolved Solids		Work Order #: KKEP21AA		MB Lot-Sample #:	D8C250000-550	
	ND	10	mg/L	MCAWW 160.1	03/25/08	8085550
		Dilution Factor: 1				
		Analysis Time..: 18:30				
Total Organic Carbon		Work Order #: KKL9W1AA		MB Lot-Sample #:	D8D020000-518	
	ND	1.0	mg/L	MCAWW 415.1	04/02/08	8093518
		Dilution Factor: 1				
		Analysis Time..: 13:05				
Total Suspended Solids		Work Order #: KKAA61AA		MB Lot-Sample #:	D8C250000-563	
	ND	4.0	mg/L	MCAWW 160.2	03/25/08	8085563
		Dilution Factor: 1				
		Analysis Time..: 20:00				

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 #...: D8C210208 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:KKJW01AC-LCS/KKJW01AD-LCSD				LCS Lot-Sample#: D8D010000-423	
	99	(90 - 110)			MCAWW 310.1	03/30/08	8092423
	100	(90 - 110)	0.50	(0-10)	MCAWW 310.1	03/30/08	8092423
		Dilution Factor: 1			Analysis Time..: 22:00		
Total Dissolved Solids		WO#:KKEP21AC-LCS/KKEP21AD-LCSD				LCS Lot-Sample#: D8C250000-550	
	104	(86 - 106)			MCAWW 160.1	03/25/08	8085550
	99	(86 - 106)	4.5	(0-20)	MCAWW 160.1	03/25/08	8085550
		Dilution Factor: 1			Analysis Time..: 18:30		
Total Organic Carbon		WO#:KKL9W1AC-LCS/KKL9W1AD-LCSD				LCS Lot-Sample#: D8D020000-518	
	101	(86 - 114)			MCAWW 415.1	04/02/08	8093518
	101	(86 - 114)	0.15	(0-12)	MCAWW 415.1	04/02/08	8093518
		Dilution Factor: 1			Analysis Time..: 12:35		
Total Suspended Solids		WO#:KKAA61AC-LCS/KKAA61AD-LCSD				LCS Lot-Sample#: D8C250000-563	
	88	(86 - 114)			MCAWW 160.2	03/25/08	8085563
	98	(86 - 114)	11	(0-20)	MCAWW 160.2	03/25/08	8085563
		Dilution Factor: 1			Analysis Time..: 20:00		

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D8C210208 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:KKJW01AC-LCS/KKJW01AD-LCSD				LCS Lot-Sample#: D8D010000-423		
	200	198	mg/L	99		MCAWW 310.1	03/30/08	8092423
	200	199	mg/L	100	0.50	MCAWW 310.1	03/30/08	8092423
		Dilution Factor: 1				Analysis Time..: 22:00		
Total Dissolved Solids		WO#:KKEP21AC-LCS/KKEP21AD-LCSD				LCS Lot-Sample#: D8C250000-550		
	500	519	mg/L	104		MCAWW 160.1	03/25/08	8085550
	500	496	mg/L	99	4.5	MCAWW 160.1	03/25/08	8085550
		Dilution Factor: 1				Analysis Time..: 18:30		
Total Organic Carbon		WO#:KKL9W1AC-LCS/KKL9W1AD-LCSD				LCS Lot-Sample#: D8D020000-518		
	25.0	25.1	mg/L	101		MCAWW 415.1	04/02/08	8093518
	25.0	25.2	mg/L	101	0.15	MCAWW 415.1	04/02/08	8093518
		Dilution Factor: 1				Analysis Time..: 12:35		
Total Suspended Solids		WO#:KKAA61AC-LCS/KKAA61AD-LCSD				LCS Lot-Sample#: D8C250000-563		
	100	88.0	mg/L	88		MCAWW 160.2	03/25/08	8085563
	100	98.0	mg/L	98	11	MCAWW 160.2	03/25/08	8085563
		Dilution Factor: 1				Analysis Time..: 20:00		

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D8C210208 **Matrix.....:** WATER
Date Sampled...: 03/19/08 10:20 **Date Received..:** 03/21/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#: KJ1X51CA-MS/KJ1X51CC-MSD MS Lot-Sample #: D8C210223-009						
	0.077	4.00	4.14	mg/L	102		MCAWW 350.1	04/07/08	8099506
	0.077	4.00	4.33	mg/L	106	4.5	MCAWW 350.1	04/07/08	8099506
			Dilution Factor: 1						
			Analysis Time..: 18:53						
Ammonia as N			WO#: KJ5NE1AP-MS/KJ5NE1AQ-MSD MS Lot-Sample #: D8C250166-001						
	0.069	4.00	4.16	mg/L	102		MCAWW 350.1	04/07/08	8099506
	0.069	4.00	4.18	mg/L	103	0.52	MCAWW 350.1	04/07/08	8099506
			Dilution Factor: 1						
			Analysis Time..: 18:53						
Chemical Oxygen Demand (COD)			WO#: KJ10N1AX-MS/KJ10N1A0-MSD MS Lot-Sample #: D8C210229-001						
	ND	50.0	39.9	mg/L	80		MCAWW 410.4	03/28-04/01/08	8092160
	ND	50.0	42.3	mg/L	85	5.9	MCAWW 410.4	03/28-04/01/08	8092160
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Chloride			WO#: KJ1P71EV-MS/KJ1P71EW-MSD MS Lot-Sample #: D8C210197-001						
	500	500	1070	mg/L	113		MCAWW 300.0A	03/30/08	8091408
	500	500	1070	mg/L	113	0.31	MCAWW 300.0A	03/30/08	8091408
			Dilution Factor: 20						
			Analysis Time..: 21:07						
Sulfate			WO#: KJNQF1AF-MS/KJNQF1AG-MSD MS Lot-Sample #: D8C150169-001						
	27	25.0	52.3 I	mg/L	102		MCAWW 375.4	03/25/08	8085452
	27	25.0	52.3 I	mg/L	102	0.13	MCAWW 375.4	03/25/08	8085452
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total phosphorus			WO#: KJV4G1AR-MS/KJV4G1AT-MSD MS Lot-Sample #: D8C190280-001						
	ND	0.500	0.512	mg/L	102		MCAWW 365.3	03/26/08	8086445
	ND	0.500	0.472	mg/L	94	8.0	MCAWW 365.3	03/26/08	8086445
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Total Organic Carbon			WO#: KJ4RF1AG-MS/KJ4RF1AH-MSD MS Lot-Sample #: D8C240170-004						
	110	100	197	mg/L	87		MCAWW 415.1	04/02/08	8093518
	110	100	193	mg/L	83	2.2	MCAWW 415.1	04/02/08	8093518
			Dilution Factor: 1						
			Analysis Time..: 15:33						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8C210208 **Work Order #...:** KJVJ0-SMP KJVJ0-DUP **Matrix.....:** WATER

Date Sampled...: 03/18/08 11:35 **Date Received..:** 03/19/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #: D8C190216-004		
Total Suspended Solids	7.6	9.6	mg/L	23	(0-20)	MCAWW 160.2	03/25/08	8083039

Dilution Factor: 1 Analysis Time..: 20:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D8C210208 **Work Order #...:** KJ1KP-SMP KJ1KP-DUP **Matrix.....:** WATER

Date Sampled...: 03/20/08 10:39 **Date Received..:** 03/21/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D8C210177-007	
	2500 Q	2400 Q	mg/L	0.41	(0-20)	MCAWW 160.1	03/25/08	8085550
			Dilution Factor: 2			Analysis Time..: 18:30		

NOTE(S):

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

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

Chain of Custody Record

A6
IRI
3/21/08

Temperature on Receipt 2.6

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

67

4124 (0907)

Client: LHM	Project Manager: MARK SNYDER	Date: 3.20-08	Chain of Custody Number: 407485
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact: Betsy Sara	
Project Name and Location (State): Piedmont Leachate	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 134 26744-F			

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	VOAS	Metals (tot)	TDS	TOC	NO3-353.2	COD	T. Phos.	Sulfate	BOD	Phenols	NH3	Chloride	TSS	Special Instructions/ Conditions of Receipt
LEACHATE	3-20	1145		X			4	2	1	3			3	1	1	1	✓	✓	1	✓	2	✓	✓	✓	1	
TRIP	3-20	—		X						X			X													

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3-20-08	1600	1. Received By	3/21/08	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

TestAmerica

APPENDIX B

GROUNDWATER STATISTICAL ANALYSIS REPORT

Results of the Ground Water Statistics for

Piedmont Landfill

First Semi-Annual Monitoring Event in 2008

Prepared for:
Piedmont Landfill and Recycling Center
Kernersville, North Carolina

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April 2008

Introduction

This report contains the results of the statistical analysis used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2008 at Piedmont Landfill in Kernersville, North Carolina. The ground water at Piedmont Landfill is monitored semi-annually at MW01 (upgradient), MW02, MW03, MW04, MW04D, MW05, MW06 (upgradient), MW07, MW08, MW09R, MW10, MW11, MW11D, MW12, and MW12D. These ground water monitoring were sampled during March 19-20, 2008 and analyzed for the trace metals and volatile organic compounds (VOCs) listed below.

Trace Metals

Antimony, Total	Chromium, Total	Selenium, Total
Arsenic, Total	Cobalt, Total	Silver, Total
Barium, Total	Copper, Total	Thallium, Total
Beryllium, Total	Lead, Total	Vanadium, Total
Cadmium, Total	Nickel, Total	Zinc, Total

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	Acetone	Dibromomethane
1,1,1-Trichloroethane	Acrylonitrile	Ethylbenzene
1,1,2,2-Tetrachloroethane	Benzene	Iodomethane
1,1,2-Trichloroethane	Bromochloromethane	Methylene chloride
1,1-Dichloroethane	Bromodichloromethane	Styrene
1,1-Dichloroethene	Bromoform	Tetrachloroethene
1,2,3-Trichloropropane	Bromomethane	Toluene
1,2-Dibromo-3-chloropropane	Carbon disulfide	*trans*-1,2-Dichloroethene
1,2-Dibromoethane	Carbon tetrachloride	*trans*-1,3-Dichloropropene
1,2-Dichlorobenzene	Chlorobenzene	*trans*-1,4-Dichloro-2-butene
1,2-Dichloroethane	Chloroethane	Trichloroethene
1,2-Dichloropropane	Chloroform	Trichlorofluoromethane
1,4-Dichlorobenzene	Chloromethane	Vinyl acetate
2-Butanone; Methyl ethyl ketone	*cis*-1,2-Dichloroethene	Vinyl chloride
2-Hexanone	*cis*-1,3-Dichloropropene	Xylenes (Total)
4-Methyl-2-pentanone	Dibromochloromethane	

The trace metals data were compared to historical background data using intrawell statistics. The statistical method used to evaluate the ground water data was prepared by Dr. Robert Gibbons in accordance with the EPA statistical guidance document (*"Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance"*, July 1992) and ASTM standard D6312-98 (*"Standard Guide for Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs"*). The organic constituents were compared to maximum contaminant levels (MCLs) or practical quantitation limits (PQLs), in lieu of statistical comparisons to background concentrations.

Intrawell Comparisons

Intrawell comparisons are used to evaluate the ground water data at Piedmont Landfill in accordance with the site's statistical analysis plan. Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility,

The site-wide false positive rate is 3% and the test becomes sensitive to 4 standard deviation units over background. Due to the large number of statistical comparisons, modification to the statistical default settings in DUMPStat® were implemented to achieve the site-wide false positive rate standards recommended by EPA (EPA, July 1992, 5.0, Strategies for Multiple Comparisons).

The only VOCs detected in the ground water during the March 2008 monitoring event were benzene (1.4 μg/L) at MW02, vinyl chloride (1.4 μg/L) at MW02, and 1,1-dichloroethane (6.3 μg/L) at MW09R. These VOCs had been detected during prior monitoring events at similar concentrations (Attachment C).

In 1996, VOCs were detected and confirmed in monitoring well MW09. Waste Management then attributed the VOCs to landfill gas. These findings were reported and WM implemented assessment monitoring. Monitoring well MW09 was replaced by MW09R in November 1999. Replacement well MW09R was screened below the water table. A second investigation confirmed that landfill gas was the source of the impacts to groundwater. Well MW09R has been analyzed for over 200 Appendix II compounds (VOCs, semi volatiles, pesticides, herbicides, metals, and PCBs), with no other detections having been found since assessment monitoring began in 1997. Currently, WM continues to closely track and monitor groundwater conditions at Piedmont Landfill.

Table 1

Analytical Data Summary for 3/19/2008 to 3/20/2008

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05
1,1,1,2-tetrachloroethane	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,1,1-trichloroethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,1,2,2-tetrachloroethane	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
1,1,2-trichloroethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,1-dichloroethane	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,1-dichloroethene	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,2,3-trichloropropane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dibromo-3-chloropropane (dbcp)	UG/L	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000
1,2-dibromoethane (edb)	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dichlorobenzene	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,2-dichloroethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dichloropropane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,4-dichlorobenzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
2-hexanone	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Acetone	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Acrylonitrile	UG/L	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000
Alkalinity, bicarbonate (as caco3)	MG/L						
Alkalinity, carbonate (as caco3)	MG/L						
Alkalinity, total (as caco3)	MG/L						
Ammonia	MG/L						
Antimony, total	UG/L	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000
Arsenic, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Barium, total	UG/L	<100.0000	130.0000	<100.0000	<100.0000	<100.0000	<100.0000
Benzene	UG/L	<1.0000	1.4000	<1.0000	<1.0000	<1.0000	<1.0000
Beryllium, total	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Biochemical oxygen demand	MG/L						
Bromochloromethane	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Bromoform	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Bromomethane	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Cadmium, total	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Calcium, total recoverable	MG/L						
Carbon disulfide	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Carbon tetrachloride	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Chemical oxygen demand	MG/L						
Chloride	MG/L						
Chlorobenzene	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Chloroethane	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Chloroform	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
Chloromethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Chromium, total	UG/L	<10.0000	<10.0000	13.0000	<10.0000	12.0000	<10.0000
Cis-1,2-dichloroethene	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
Cis-1,3-dichloropropene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Cobalt, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Copper, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Dibromochloromethane	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Dibromomethane	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Dichlorobromomethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Do (field)	MG/L	6.5000	2.8000	5.0000	2.0000	6.1000	1.5000
Eh/orp (field)	mV	166.0000	214.0000	193.0000	237.0000	173.0000	152.0000
Ethylbenzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Iodomethane	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Iron, total recoverable	UG/L						
Lead, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Magnesium, total recoverable	MG/L						
Manganese, total recoverable	UG/L						
Mercury, total	UG/L						
Methyl ethyl ketone	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Methyl isobutyl ketone	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Methylene chloride	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Nickel, total	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Nitrogen, nitrate	MG/L						
pH FIELD	PH UNITS	5.2675*	5.3300*	5.3925*	4.8400*	5.6850*	5.6475*
Phosphorous, total	MG/L						
Potassium, total	MG/L						
Selenium, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Silver, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Sodium, total	MG/L						
Specific conductance field	UMHOS/CM	75.5000*	129.0000*	155.0000*	78.5000*	81.7500*	300.2500*
Styrene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Sulfate	MG/L						
Tetrachloroethene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Thallium, total	UG/L	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000
Toluene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Total dissolved solids	MG/L						
Total organic carbon	MG/L						
Total suspended solids	MG/L						
Total xylenes	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000

* - The displayed value is the arithmetic mean of multiple database matches.

Table 1

Analytical Data Summary for 3/19/2008 to 3/20/2008

Constituents	3406-MW06	3406-MW07	3406-MW08	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D
1,1,1,2-tetrachloroethane	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,1,1-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,1,2,2-tetrachloroethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
1,1,2-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,1-dichloroethane	<5.0000	<5.0000	<5.0000	6.3000	<5.0000	<5.0000	<5.0000
1,1-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,2,3-trichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dibromo-3-chloropropane (dbcp)	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000
1,2-dibromoethane (edb)	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dichlorobenzene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
1,2-dichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,4-dichlorobenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
2-hexanone	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Acetone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Acrylonitrile	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000
Alkalinity, bicarbonate (as caco3)							
Alkalinity, carbonate (as caco3)							
Alkalinity, total (as caco3)							
Ammonia							
Antimony, total	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000
Arsenic, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Barium, total	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Benzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Beryllium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Biochemical oxygen demand							
Bromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Bromoform	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Bromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Cadmium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Calcium, total recoverable							
Carbon disulfide	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Carbon tetrachloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Chemical oxygen demand							
Chloride							
Chlorobenzene	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Chloroethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Chloroform	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
Chloromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Chromium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Cis-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
Cis-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Cobalt, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Copper, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Dibromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Dibromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Dichlorobromomethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Do (field)	5.4000	5.3000		.6000	4.2000	2.5000	6.8000
Eh/orp (field)	229.0000	189.0000		27.0000	202.0000	128.0000	162.0000
Ethylbenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Iodomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Iron, total recoverable							
Lead, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Magnesium, total recoverable							
Manganese, total recoverable							
Mercury, total							
Methyl ethyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Methyl isobutyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Methylene chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Nickel, total	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Nitrogen, nitrate							
pH FIELD	4.6100*	5.3350*		5.5825*	5.2300*	5.0550*	5.9750*
Phosphorous, total							
Potassium, total							
Selenium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Silver, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Sodium, total							
Specific conductance field	32.5000*	147.2500*		473.2500*	115.0000*	162.5000*	74.0000*
Styrene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Sulfate							
Tetrachloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Thallium, total	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000
Toluene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Total dissolved solids							
Total organic carbon							
Total suspended solids							
Total xylenes	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000

* - The displayed value is the arithmetic mean of multiple database matches.

Piedmont [gw]

Analysis prepared on April 2008

Table 1

Analytical Data Summary for 3/19/2008 to 3/20/2008

Constituents	3406-MW12	3406-MW12D	3406-S01	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
1,1,1,2-tetrachloroethane	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
1,1,1-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<50.0000
1,1,2,2-tetrachloroethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<30.0000
1,1,2-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<50.0000
1,1-dichloroethane	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
1,1-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
1,2,3-trichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<80.0000
1,2-dibromo-3-chloropropane (dbcp)	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<130.0000
1,2-dibromoethane (edb)	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
1,2-dichlorobenzene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<100.0000
1,2-dichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
1,2-dichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
1,4-dichlorobenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
2-hexanone	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<500.0000
Acetone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<1000.0000
Acrylonitrile	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<2000.0000
Alkalinity, bicarbonate (as caco3)								2000.0000
Alkalinity, carbonate (as caco3)								<5.0000
Alkalinity, total (as caco3)								2000.0000
Ammonia								310.0000
Antimony, total	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	2.5000
Arsenic, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	21.0000
Barium, total	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	750.0000
Benzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
Beryllium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Biochemical oxygen demand								91.0000
Bromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<30.0000
Bromoform	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<30.0000
Bromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<100.0000
Cadmium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Calcium, total recoverable								46.0000
Carbon disulfide	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<1000.0000
Carbon tetrachloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<55.0000
Chemical oxygen demand								450.0000
Chloride								850.0000
Chlorobenzene	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<30.0000
Chloroethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<100.0000
Chloroform	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
Chloromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<55.0000
Chromium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	67.0000
Cis-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
Cis-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<55.0000
Cobalt, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	24.0000
Copper, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<15.0000
Dibromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<30.0000
Dibromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<100.0000
Dichlorobromomethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
Do (field)	1.5000	2.6000	5.0000	4.9000	5.1000	4.3000	4.6000	.1000
Eh/orp (field)	128.0000	80.0000	106.0000	107.0000	124.0000	106.0000	119.0000	97.0000
Ethylbenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<50.0000
Iodomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<100.0000
Iron, total recoverable								6300.0000
Lead, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Magnesium, total recoverable								44.0000
Manganese, total recoverable								640.0000
Mercury, total								<.2000
Methyl ethyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	1100.0000
Methyl isobutyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<1000.0000
Methylene chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<55.0000
Nickel, total	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	160.0000
Nitrogen, nitrate								<.5000
pH FIELD	6.4700*	6.3600*	6.7300	7.1100	7.2300	7.2900	6.8400	7.0300
Phosphorous, total								.9000
Potassium, total								250.0000
Selenium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<15.0000
Silver, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Sodium, total								860.0000
Specific conductance field	134.2500*	220.5000*	96.0000	91.0000	74.0000	76.0000	103.0000	5128.0000
Styrene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<100.0000
Sulfate								<5.0000
Tetrachloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<30.0000
Thallium, total	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<1.0000
Toluene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<50.0000
Total dissolved solids								2200.0000
Total organic carbon								170.0000
Total suspended solids								67.0000
Total xylenes	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	55.0000

* - The displayed value is the arithmetic mean of multiple database matches.

Prepared by: Otter Creek Environmental

Attachment B

Summary Table and Graphs for the Intrawell Comparisons

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-Cusum Control Charts

Constituent	Units	Well	N	Mean	SD	S(i-1)	S(i)	Limit
Vanadium, total	UG/L	3406-MW04D	20	37.2450	23.1524	37.2450	37.2450	153.0069
Zinc, total	UG/L	3406-MW04D	22	54.3182	33.9333	54.3182	54.3182	223.9848
Antimony, total	UG/L	3406-MW05	25					88.9000**
Arsenic, total	UG/L	3406-MW05	30					11.9000**
Barium, total	UG/L	3406-MW05	30	177.8300	231.7097	177.8300	177.8300	1336.3783
Beryllium, total	UG/L	3406-MW05	22					2.0000**
Cadmium, total	UG/L	3406-MW05	33					1.0000**
Chromium, total	UG/L	3406-MW05	30	8.3400	2.4960	8.3400	8.3400	20.8201
Cobalt, total	UG/L	3406-MW05	22					10.0000**
Copper, total	UG/L	3406-MW05	30					200.0000**
Lead, total	UG/L	3406-MW05	30					10.0000**
Nickel, total	UG/L	3406-MW05	22					50.0000**
Selenium, total	UG/L	3406-MW05	30					20.0000**
Silver, total	UG/L	3406-MW05	30					10.0000**
Thallium, total	UG/L	3406-MW05	22					10.0000**
Vanadium, total	UG/L	3406-MW05	22	28.9864	15.1290	28.9864	28.9864	104.6314
Zinc, total	UG/L	3406-MW05	30					110.0000**
Antimony, total	UG/L	3406-MW06	25					94.9000**
Arsenic, total	UG/L	3406-MW06	22					10.0000**
Barium, total	UG/L	3406-MW06	22	248.0545	235.4961	248.0545	248.0545	1425.5351
Beryllium, total	UG/L	3406-MW06	22					2.6000**
Cadmium, total	UG/L	3406-MW06	25					1.0000**
Chromium, total	UG/L	3406-MW06	22					10.0000**
Cobalt, total	UG/L	3406-MW06	22					10.0000**
Copper, total	UG/L	3406-MW06	22					200.0000**
Lead, total	UG/L	3406-MW06	22					10.0000**
Nickel, total	UG/L	3406-MW06	22					50.0000**
Selenium, total	UG/L	3406-MW06	22					20.0000**
Silver, total	UG/L	3406-MW06	22					10.0000**
Thallium, total	UG/L	3406-MW06	22					10.0000**
Vanadium, total	UG/L	3406-MW06	22					45.6000**
Zinc, total	UG/L	3406-MW06	21					50.0000**
Antimony, total	UG/L	3406-MW07	21					30.0000**
Arsenic, total	UG/L	3406-MW07	21					10.6000**
Barium, total	UG/L	3406-MW07	21	242.9190	251.2059	242.9190	242.9190	1498.9487
Beryllium, total	UG/L	3406-MW07	21					2.0000**
Cadmium, total	UG/L	3406-MW07	21					1.0000**
Chromium, total	UG/L	3406-MW07	21	7.2143	3.6356	7.2143	7.2143	25.3921
Cobalt, total	UG/L	3406-MW07	21					10.0000**
Copper, total	UG/L	3406-MW07	21	139.9476	87.2926	139.9476	139.9476	576.4108
Lead, total	UG/L	3406-MW07	21					10.0000**
Nickel, total	UG/L	3406-MW07	21					50.0000**
Selenium, total	UG/L	3406-MW07	21					20.0000**
Silver, total	UG/L	3406-MW07	21					13.6000**
Thallium, total	UG/L	3406-MW07	21					10.0000**
Vanadium, total	UG/L	3406-MW07	21	31.4238	14.4314	31.4238	31.4238	103.5809
Zinc, total	UG/L	3406-MW07	21	38.7857	17.0759	38.7857	38.7857	124.1653
Antimony, total	UG/L	3406-MW08	22					30.0000**
Arsenic, total	UG/L	3406-MW08	22	8.6273	3.0446	8.6273	8.6273	23.8504
Barium, total	UG/L	3406-MW08	21	299.5667	201.0035	299.5667	299.5667	1304.5844
Beryllium, total	UG/L	3406-MW08	21					2.0000**
Cadmium, total	UG/L	3406-MW08	22					1.3000**
Chromium, total	UG/L	3406-MW08	19					11.5000**
Cobalt, total	UG/L	3406-MW08	25	12.8400	4.2019	12.8400	12.8400	33.8494
Copper, total	UG/L	3406-MW08	21					200.0000**
Lead, total	UG/L	3406-MW08	20	7.6950	3.4081	7.6950	7.6950	24.7356
Nickel, total	UG/L	3406-MW08	21					50.0000**
Selenium, total	UG/L	3406-MW08	21					20.0000**
Silver, total	UG/L	3406-MW08	21					11.6000**
Thallium, total	UG/L	3406-MW08	22					10.0000**
Vanadium, total	UG/L	3406-MW08	22					40.0000**
Zinc, total	UG/L	3406-MW08	21	43.4143	15.7794	43.4143	43.4143	122.3113
Antimony, total	UG/L	3406-MW09R	20					30.0000**
Arsenic, total	UG/L	3406-MW09R	20					10.0000**
Barium, total	UG/L	3406-MW09R	20	289.2200	239.7893	289.2200	289.2200	1488.1666
Beryllium, total	UG/L	3406-MW09R	20					2.0000**
Cadmium, total	UG/L	3406-MW09R	20					1.0000**
Chromium, total	UG/L	3406-MW09R	18					14.7000**
Cobalt, total	UG/L	3406-MW09R	24	10.8792	2.4744	10.8792	10.8792	23.2511
Copper, total	UG/L	3406-MW09R	20	147.0050	81.3977	147.0050	147.0050	553.9935
Lead, total	UG/L	3406-MW09R	20					10.0000**
Nickel, total	UG/L	3406-MW09R	20					50.0000**
Selenium, total	UG/L	3406-MW09R	20					20.0000**

* - Insufficient Data
** - Detection Frequency < 25%
*** - Zero Variance

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-Cusum Control Charts

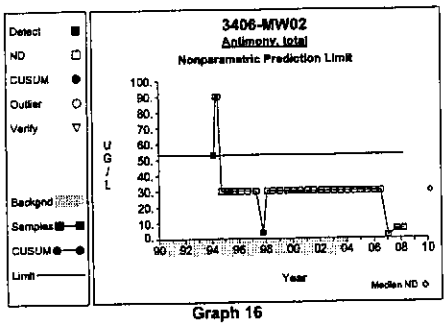
Constituent	Units	Well	N	Mean	SD	S(i-1)	S(i)	Limit
Nickel, total	UG/L	3406-MW12D	21					108.0000**
Selenium, total	UG/L	3406-MW12D	20					20.0000**
Silver, total	UG/L	3406-MW12D	20					10.0000**
Thallium, total	UG/L	3406-MW12D	20					10.0000**
Vanadium, total	UG/L	3406-MW12D	21	87.3857	100.2112	87.3857	87.3857	588.4417
Zinc, total	UG/L	3406-MW12D	21	113.7952	139.2305	113.7952	113.7952	809.9477

* - Insufficient Data
** - Detection Frequency < 25%
*** - Zero Variance

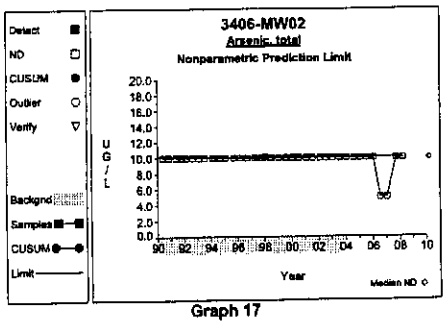
Piedmont [gw]

Analysis prepared on April 2008

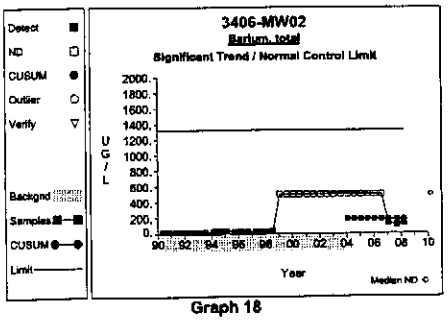
Intra-Well Control Charts



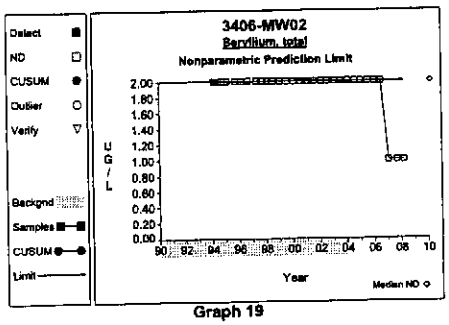
Graph 16



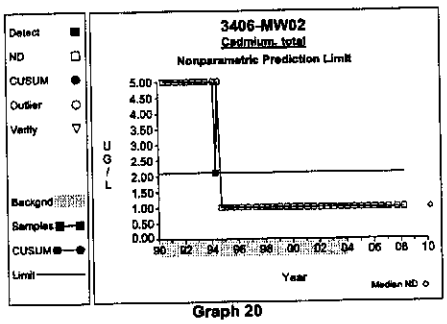
Graph 17



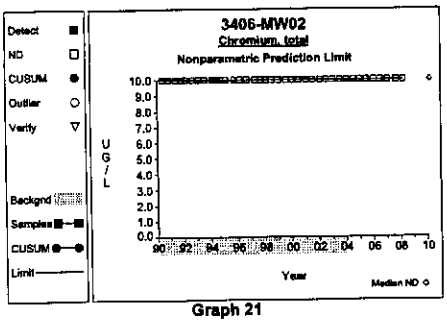
Graph 18



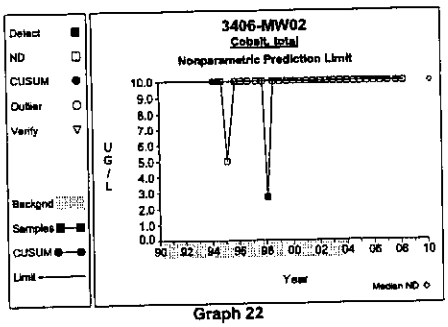
Graph 19



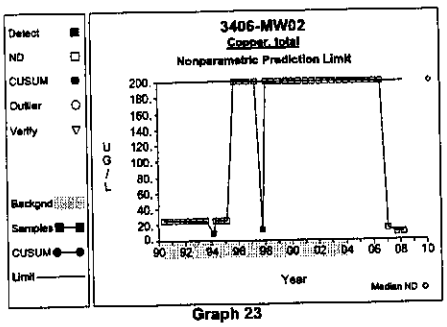
Graph 20



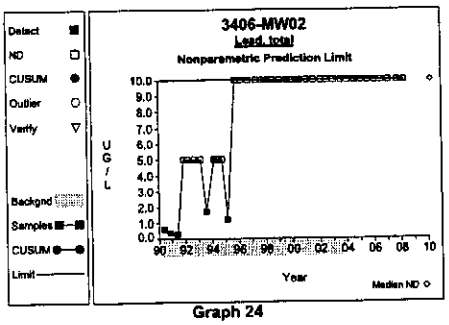
Graph 21



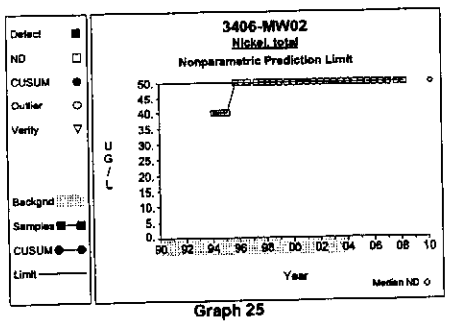
Graph 22



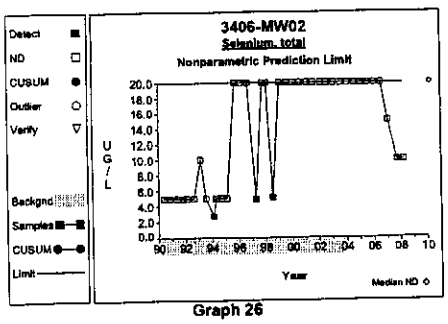
Graph 23



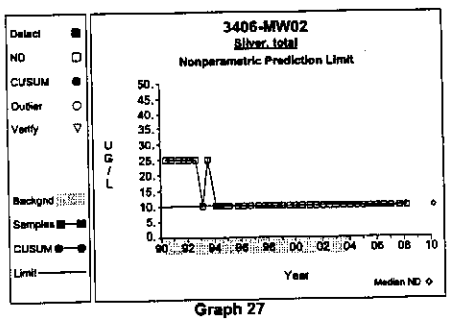
Graph 24



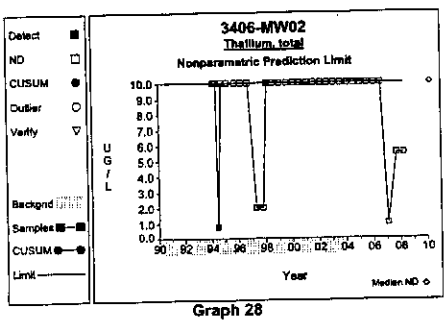
Graph 25



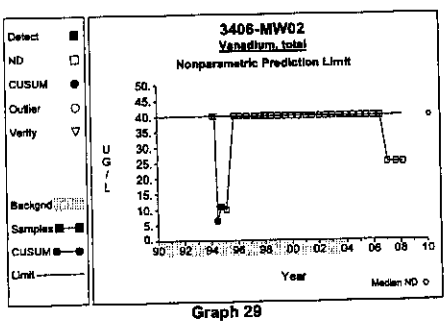
Graph 26



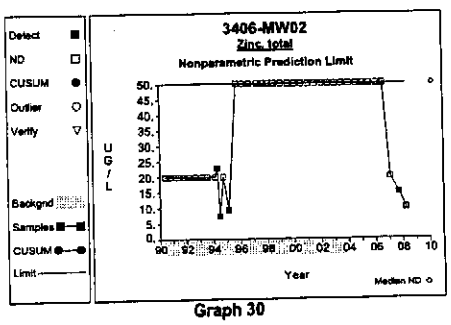
Graph 27



Graph 28



Graph 29



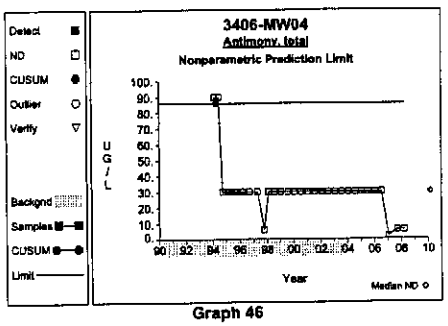
Graph 30

Prepared by: Otter Creek Environmental

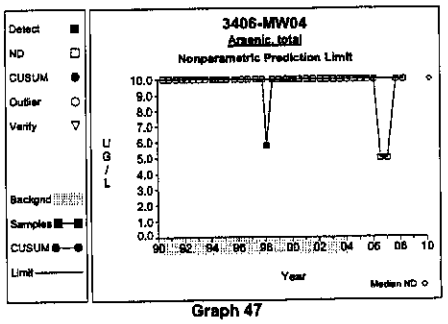
Piedmont [gw]

Analysis prepared on April 2008

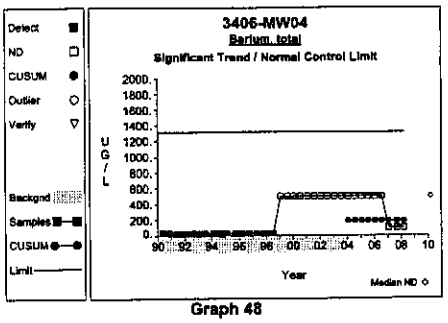
Intra-Well Control Charts



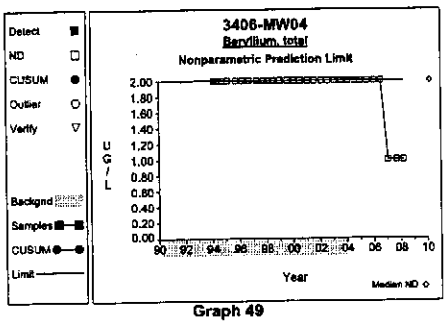
Graph 46



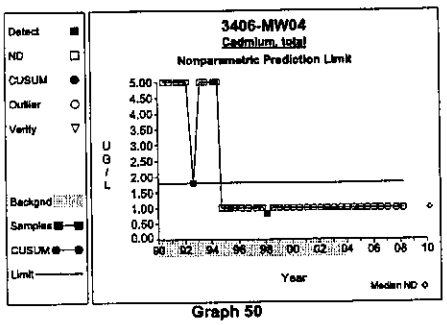
Graph 47



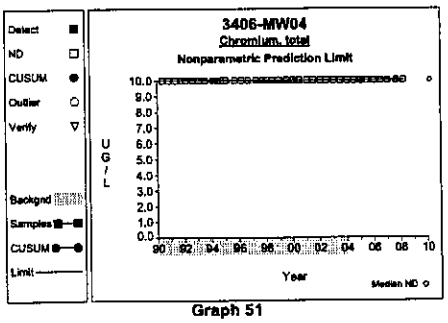
Graph 48



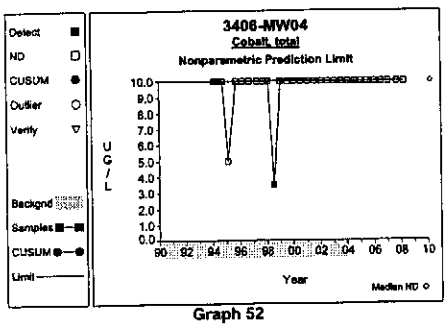
Graph 49



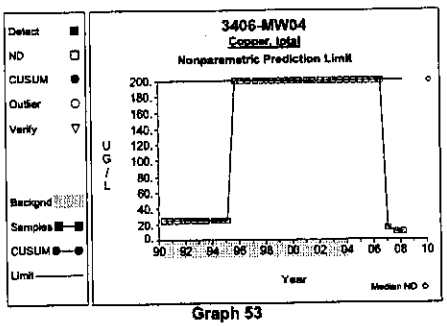
Graph 50



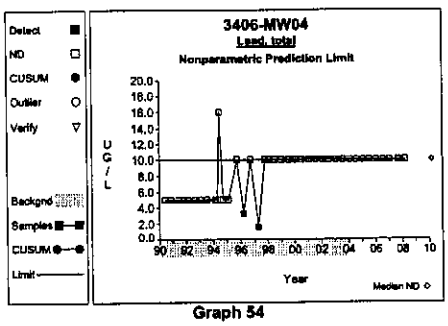
Graph 51



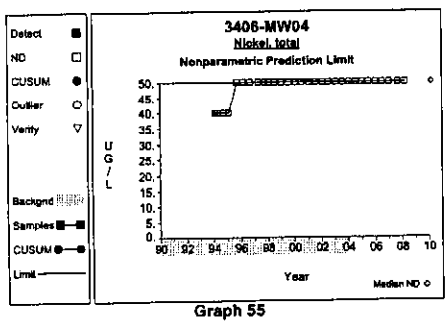
Graph 52



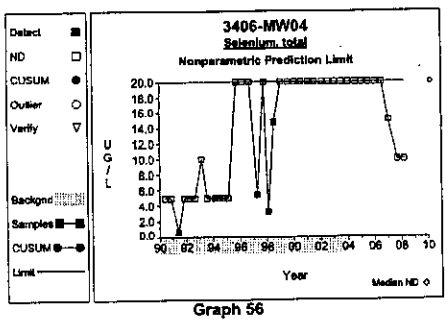
Graph 53



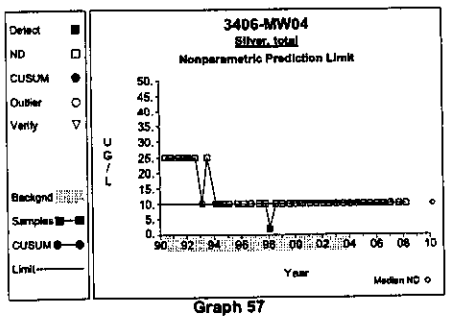
Graph 54



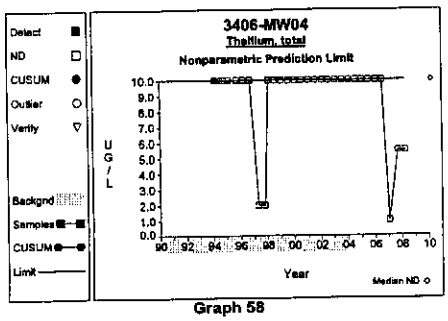
Graph 55



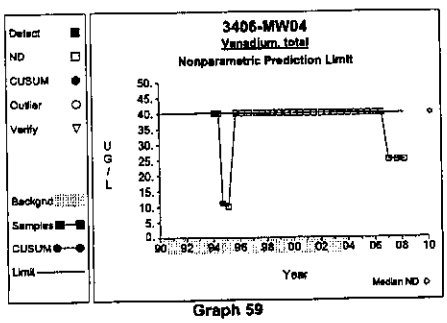
Graph 56



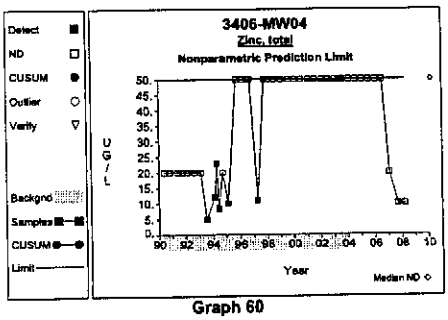
Graph 57



Graph 58



Graph 59



Graph 60

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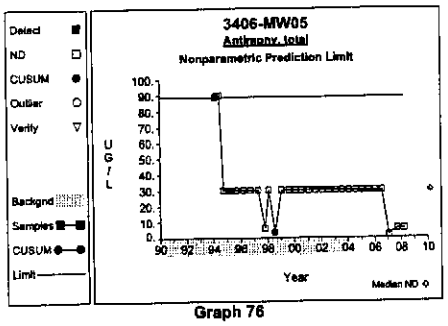
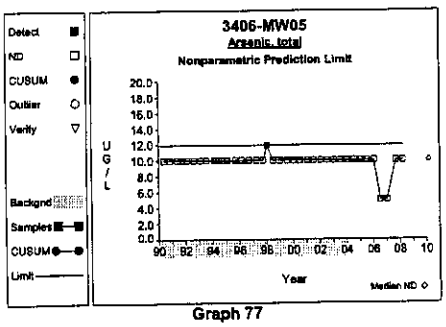
Analysis prepared on April 2008

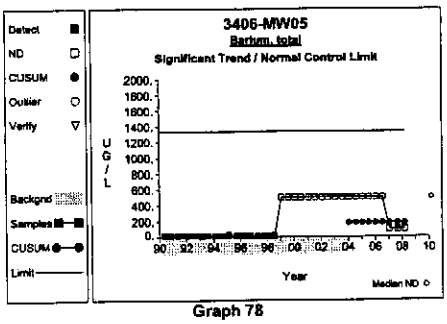
Intra-Well Control Charts



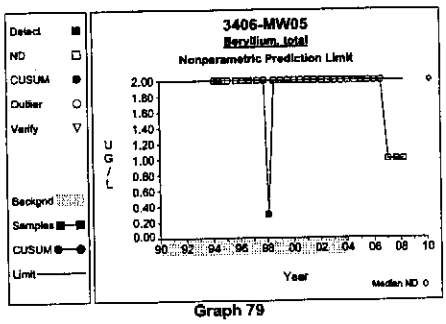
Graph 76



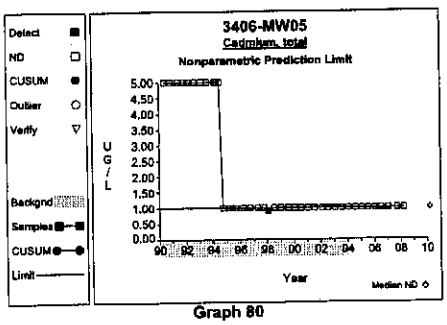
Graph 77



Graph 78



Graph 79



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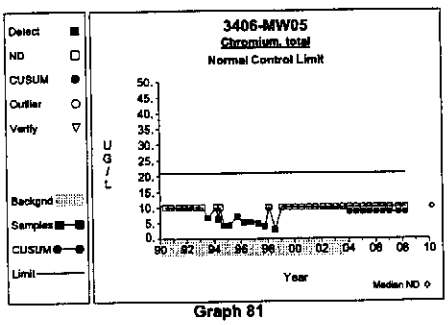

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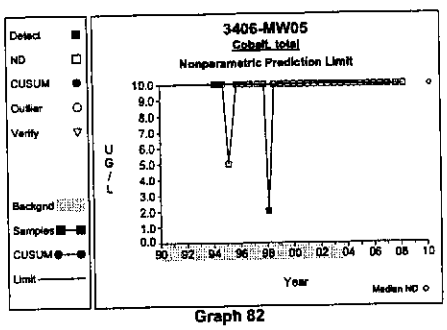

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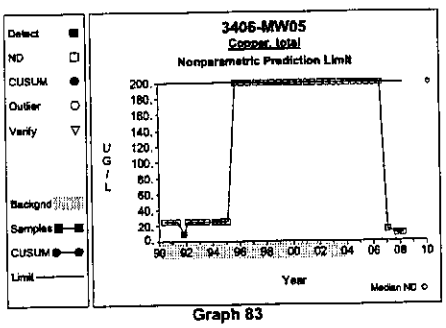

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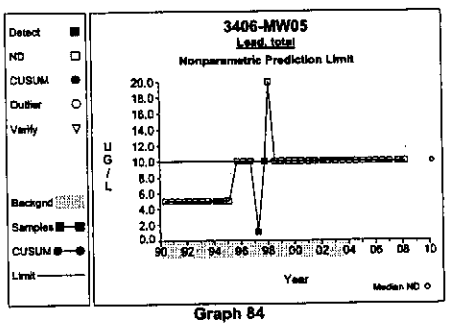

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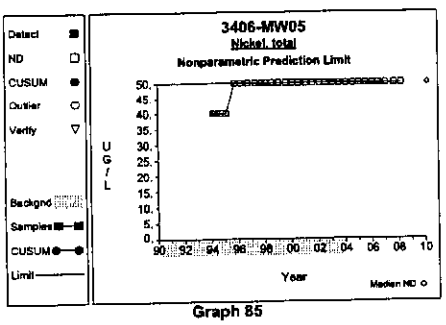

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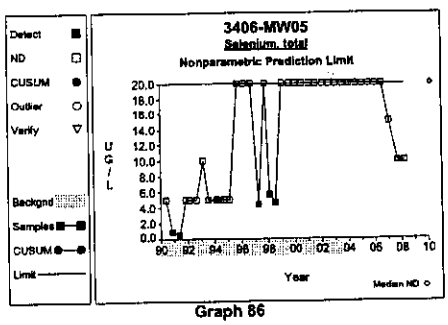

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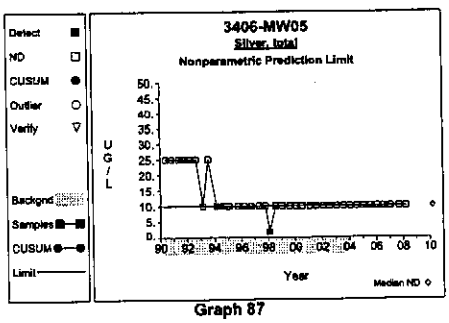
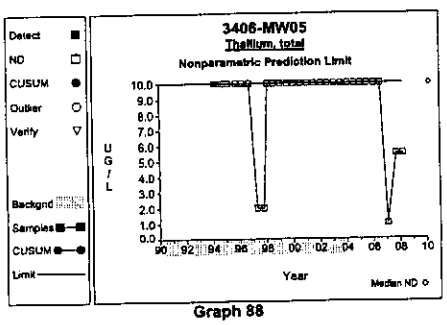


Graph 87



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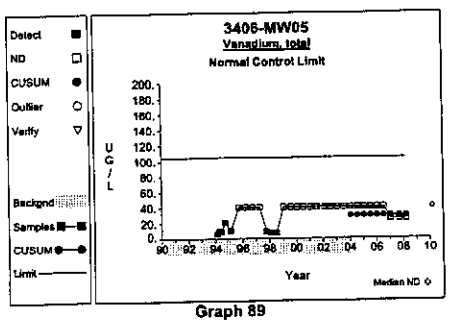
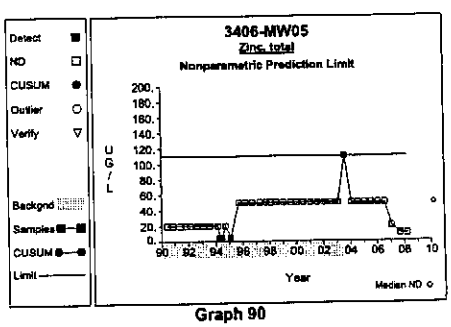


Graph 89



Graph 90

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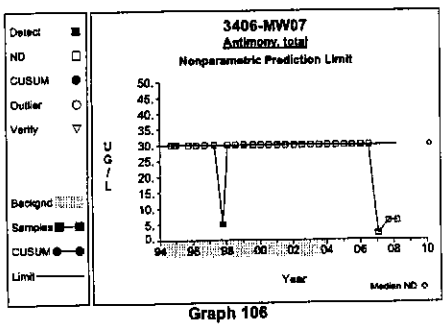
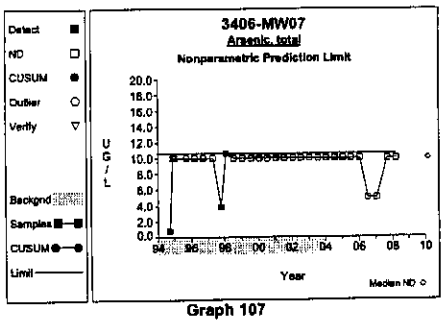
Intra-Well Control Charts



Graph 106



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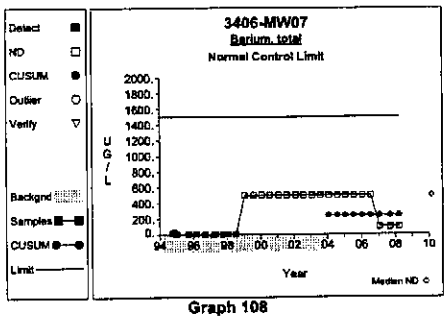

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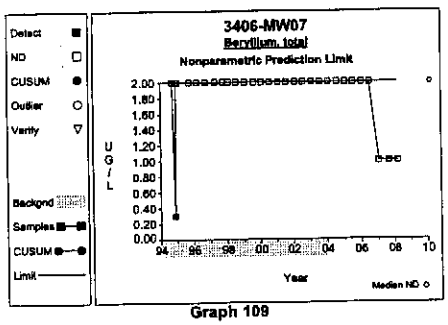
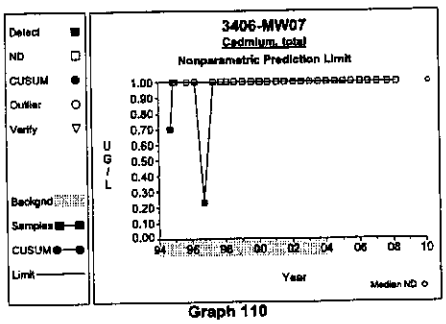


Graph 109



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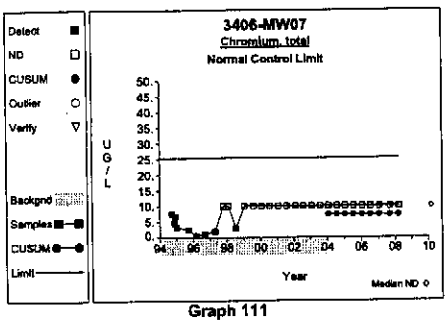

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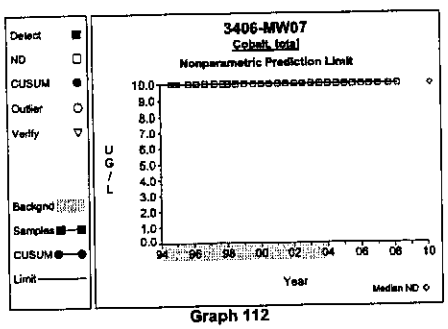
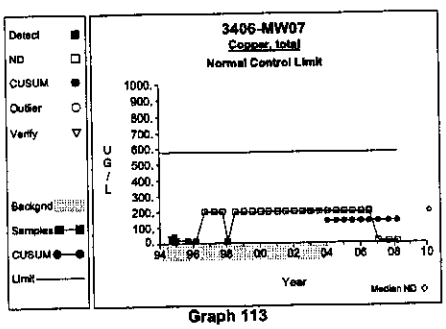


Graph 112



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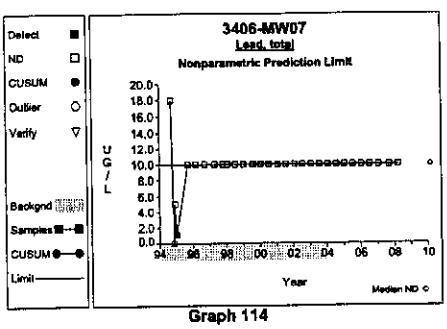
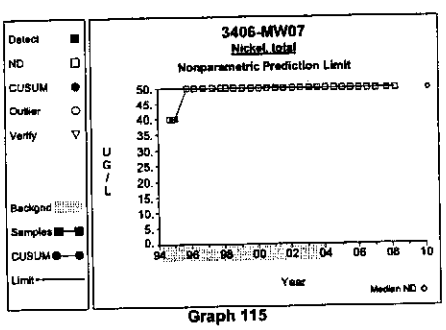


Graph 114



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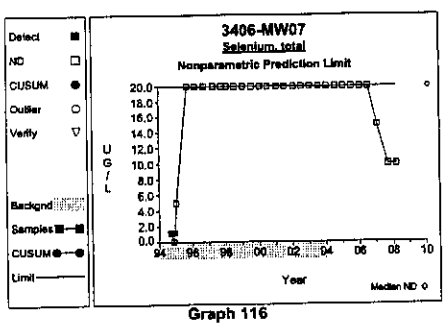

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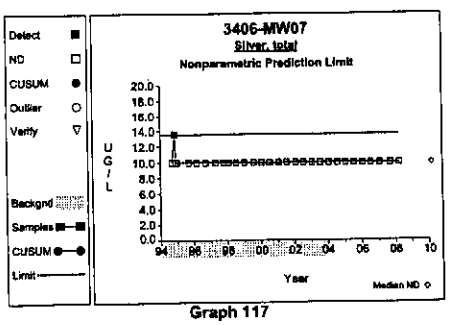
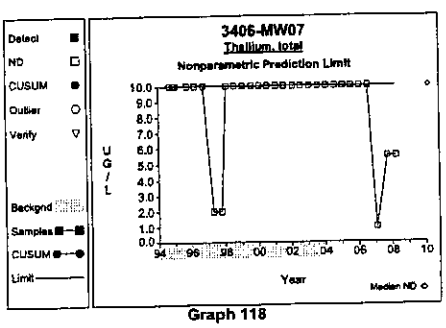


Graph 117



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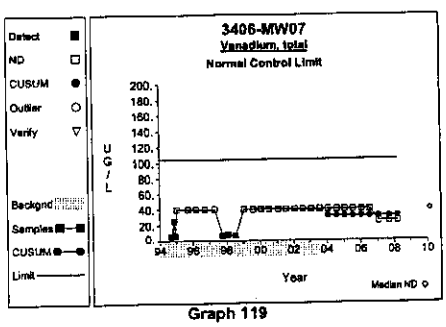
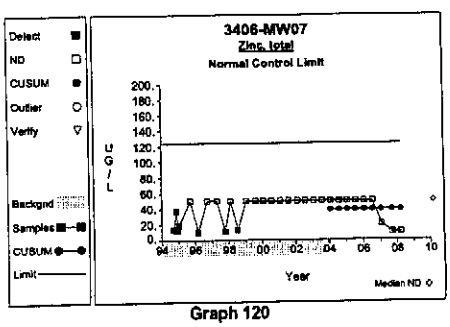


Graph 119



Graph 120

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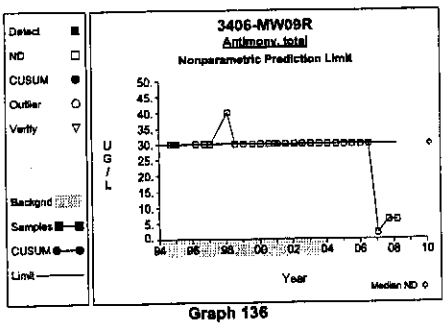
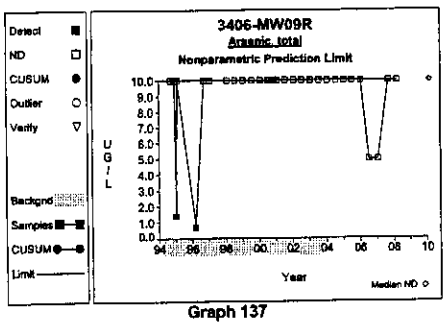
Analysis prepared on April 2008

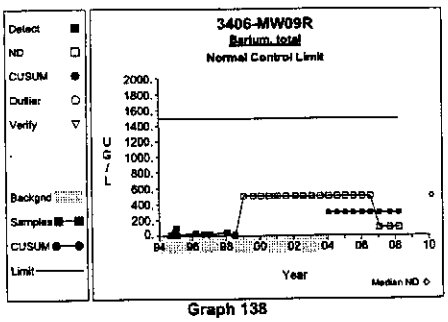
Intra-Well Control Charts



Graph 136



Graph 137



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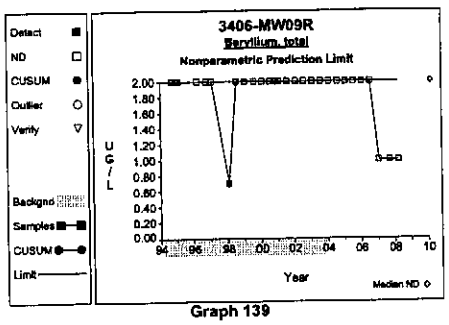

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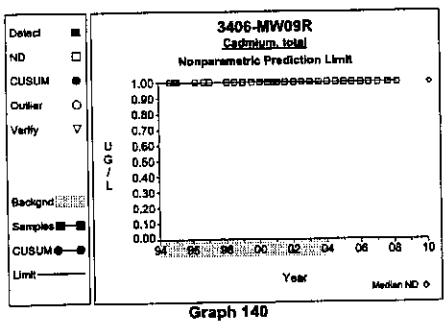

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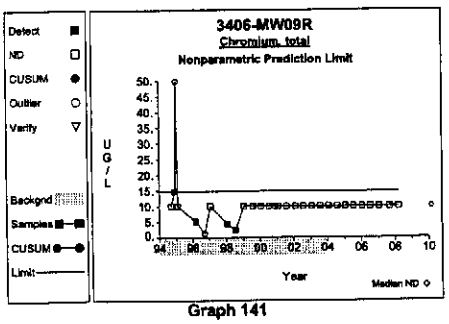

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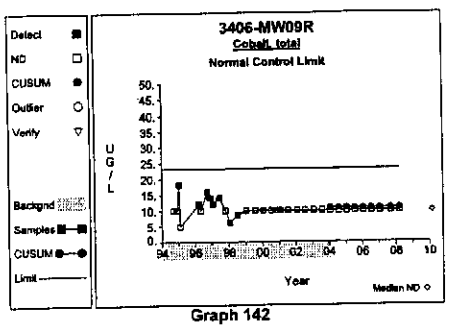

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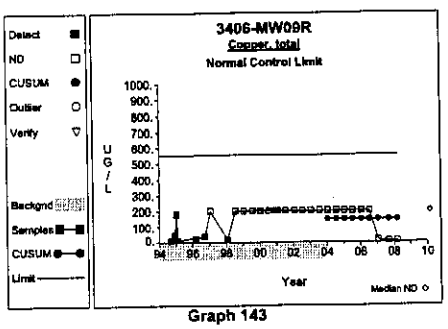

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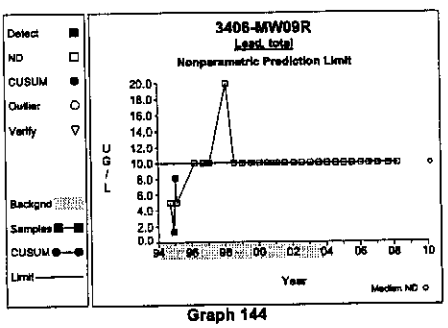

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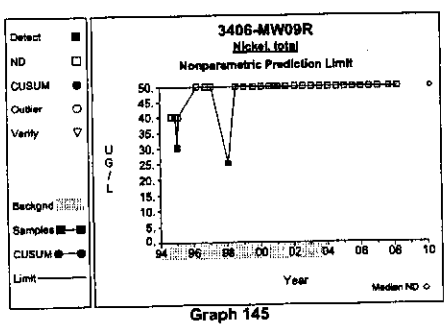

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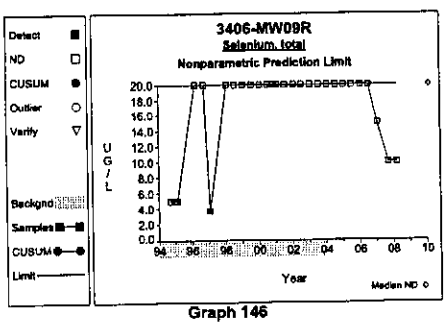

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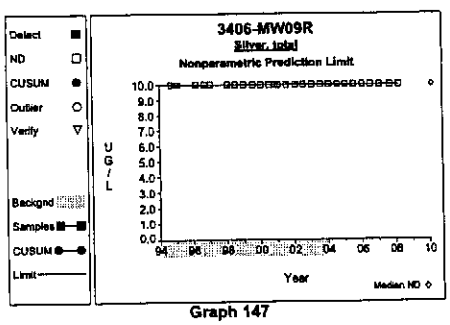

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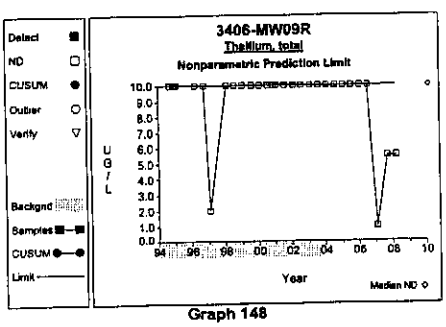

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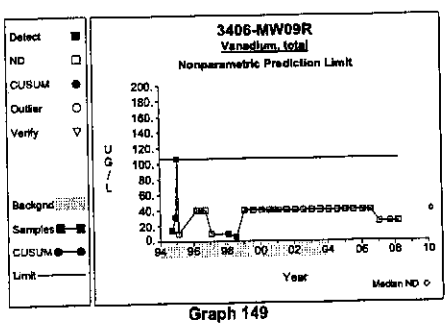
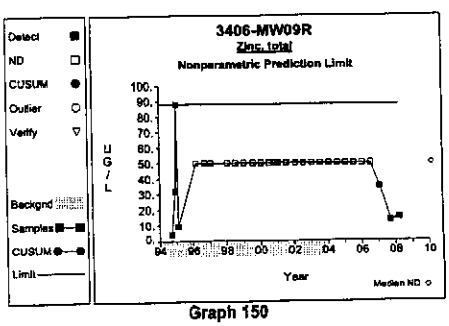


Graph 149



Graph 150

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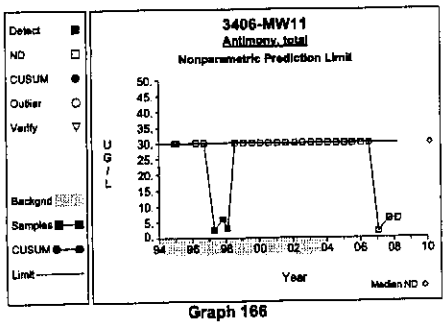
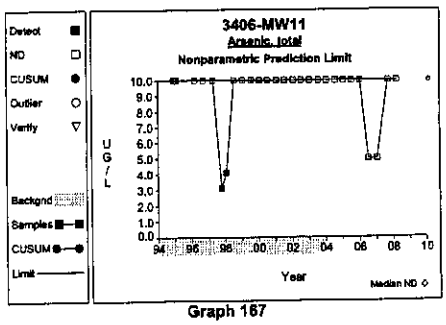
Analysis prepared on April 2008

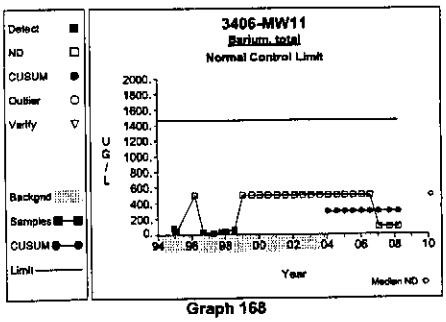
Intra-Well Control Charts



Graph 166



Graph 167



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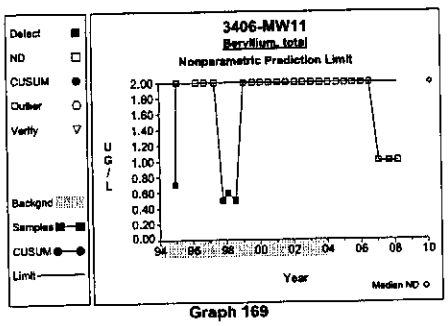
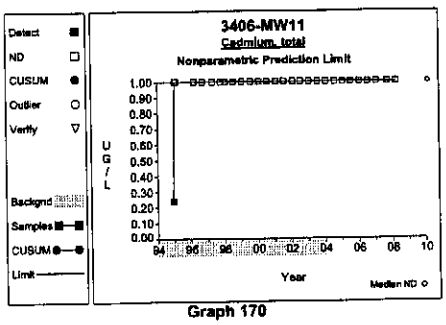


Graph 169



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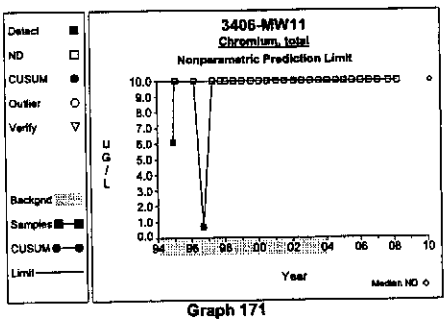

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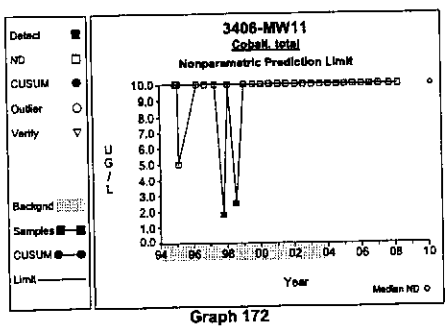
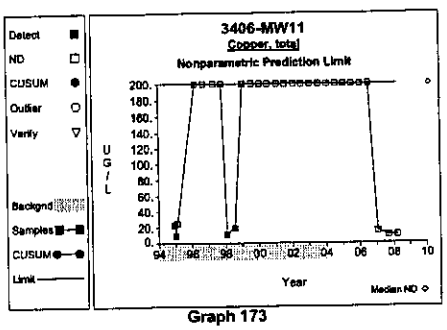
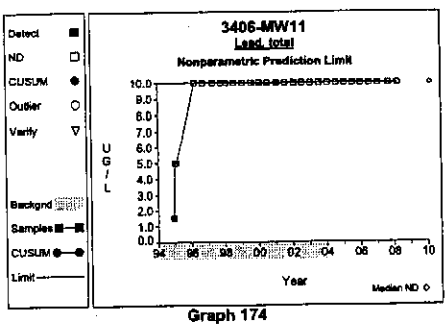


Graph 172



Graph 173



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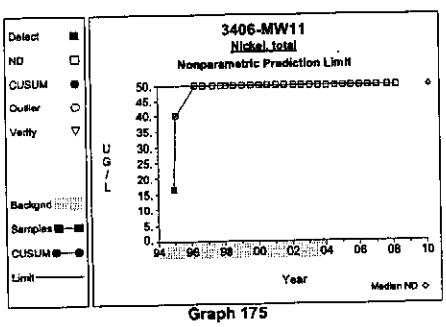

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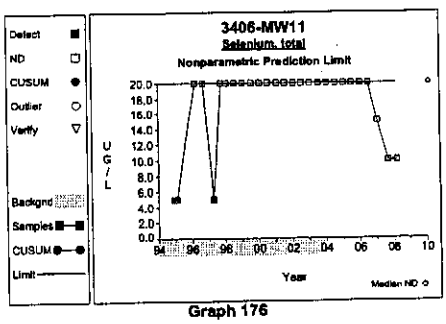

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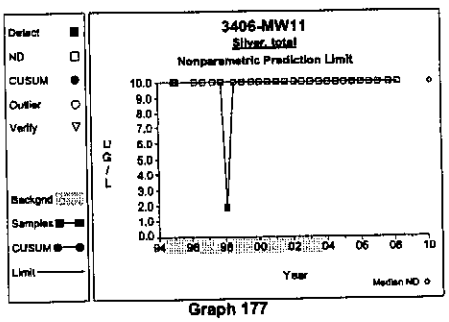
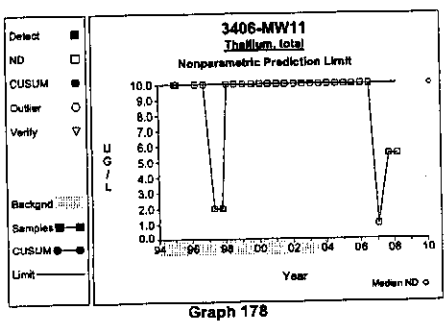
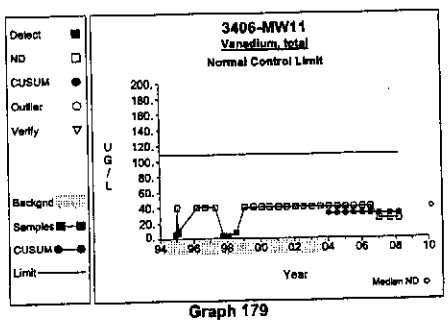


Graph 177



Graph 178



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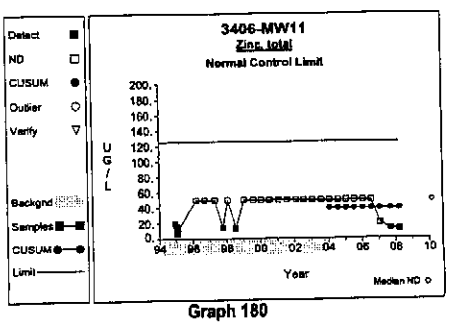

Graph 180

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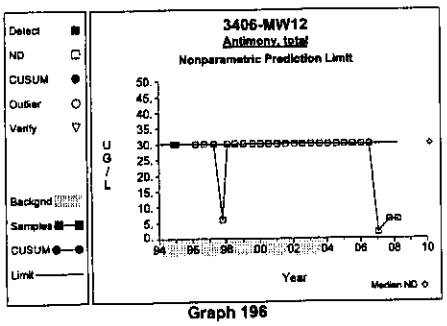
Piedmont [gw]

Analysis prepared on April 2008

Intra-Well Control Charts



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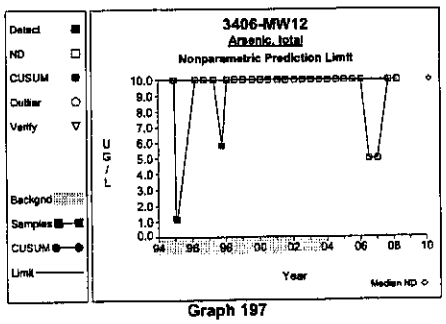

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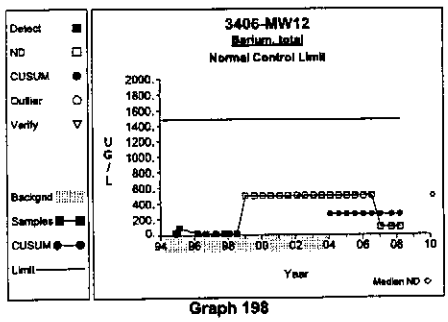

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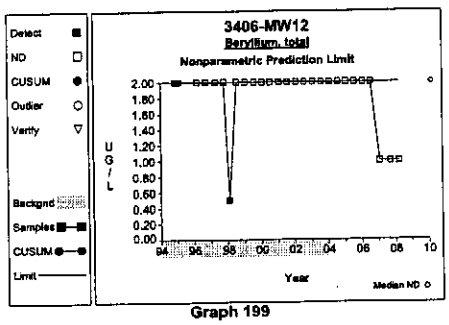

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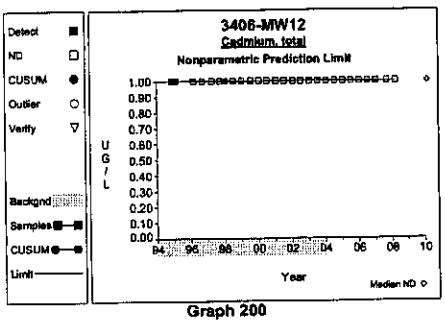
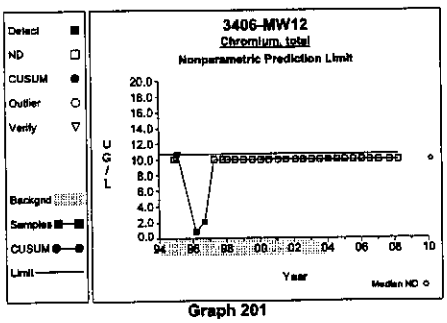
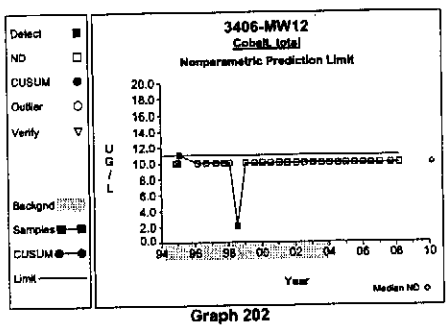


Graph 200



Graph 201



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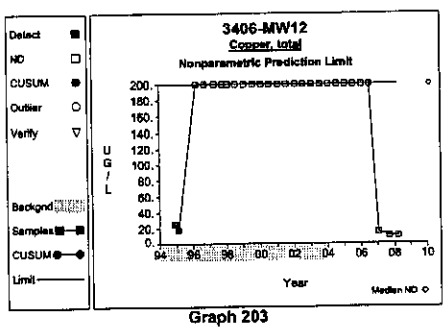
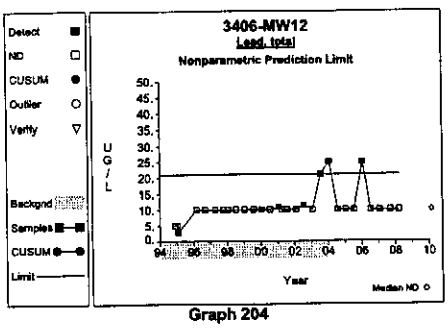
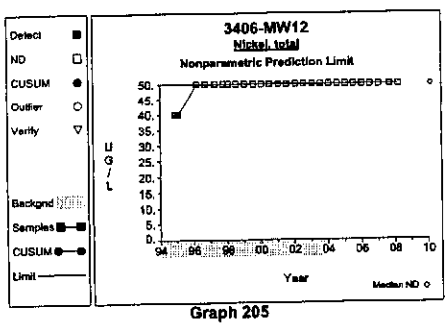


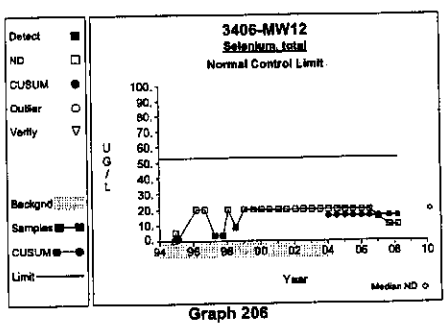
Graph 203



Graph 204



Graph 205



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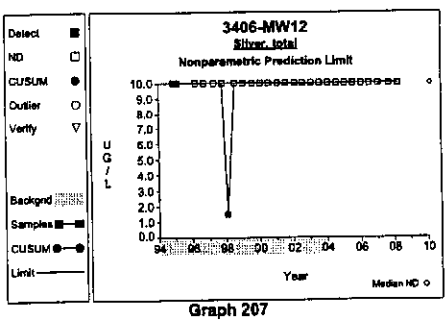
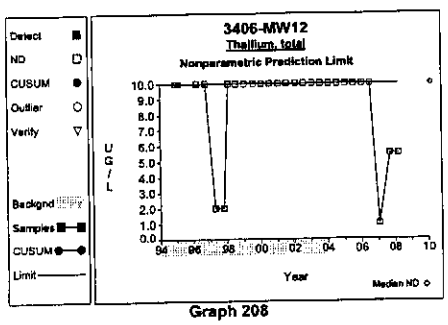
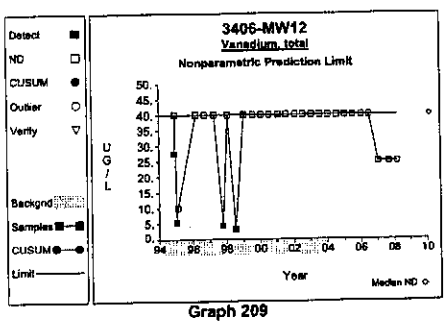


Graph 207



Graph 208



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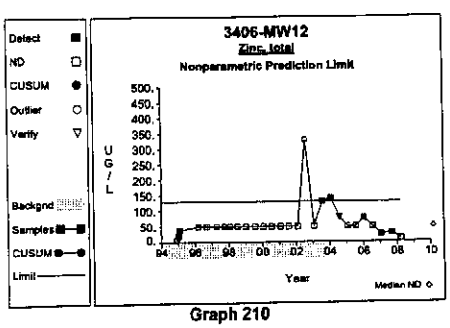


Graph 210

Prepared by: Otter Creek Environmental

False Positive and False Negative Rates for Current Intra-Well Control Charts Monitoring Program

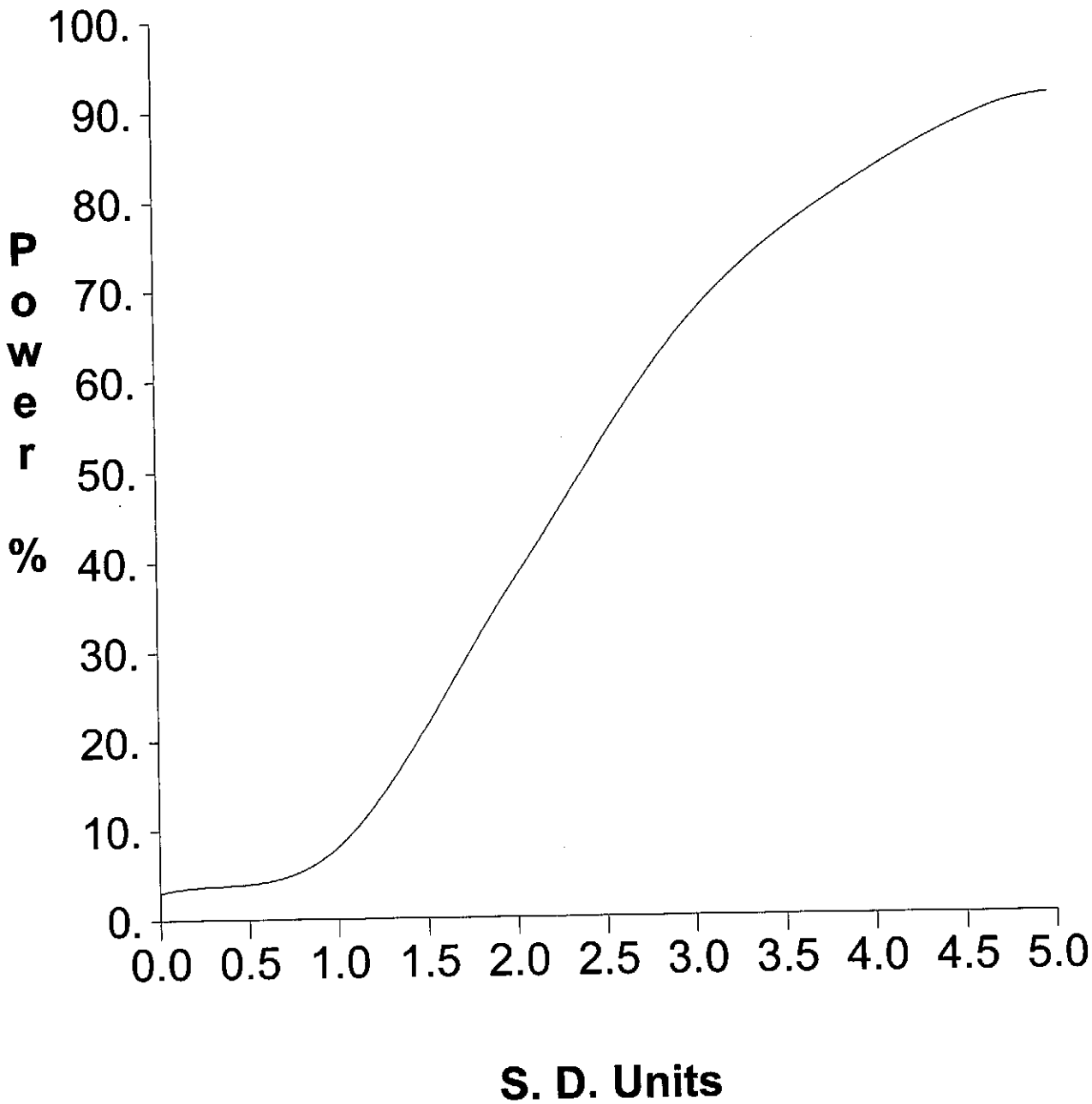


Table 1

Historical Volatile Organic Compound Detections

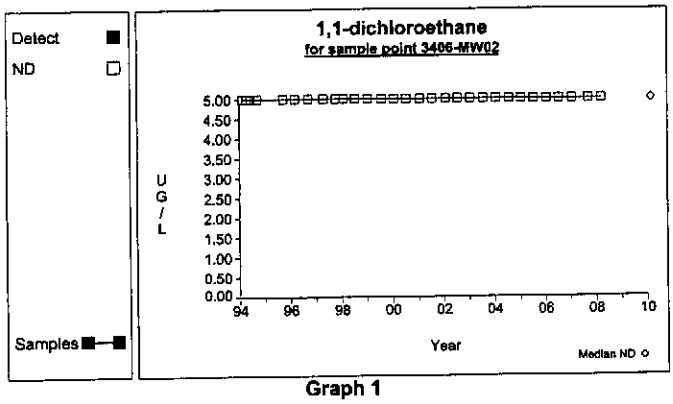
Constituent	Units	Well	Date	Result	Limit
Acetone	UG/L	3406-MW01	9/09/1996	21.0000	100.0000
Heptachlor	UG/L	3406-MW01	1/27/1998	.0200	.0500
1,1-dichloroethene	UG/L	3406-MW02	7/10/1998	.4000	5.0000
Benzene	UG/L	3406-MW02	9/13/2007	1.1000	1.0000
Benzene	UG/L	3406-MW02	3/19/2008	1.4000	1.0000
Chloroform	UG/L	3406-MW02	2/16/1994	.5000	5.0000
Chloroform	UG/L	3406-MW02	4/11/1994	.5000	5.0000
Chloroform	UG/L	3406-MW02	9/14/1994	.4000	5.0000
Toluene	UG/L	3406-MW02	9/09/1996	.2000	5.0000
Vinyl chloride	UG/L	3406-MW02	9/13/2007	1.3000	1.0000
Vinyl chloride	UG/L	3406-MW02	11/15/2007	1.3000	1.0000
Vinyl chloride	UG/L	3406-MW02	3/19/2008	1.4000	1.0000
Benzene	UG/L	3406-MW04D	1/10/1995	.2000	5.0000
Chloromethane	UG/L	3406-MW04D	12/07/1994	.5000	10.0000
Toluene	UG/L	3406-MW04D	12/07/1994	.2000	5.0000
Toluene	UG/L	3406-MW04D	1/10/1995	.3000	5.0000
Bis(2-ethylhexyl) phthalate	UG/L	3406-MW06	1/27/1998	4.0000	20.0000
Benzene	UG/L	3406-MW07	11/17/1994	.2000	5.0000
Chloromethane	UG/L	3406-MW07	3/05/1996	.6000	10.0000
Benzene	UG/L	3406-MW08	11/17/1994	.2000	5.0000
1,1,1-trichloroethane	UG/L	3406-MW09R	6/05/1997	.2000	5.0000
1,1,1-trichloroethane	UG/L	3406-MW09R	10/16/1997	.2000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	3/11/1996	1.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	9/17/1996	3.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/22/1997	9.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	6/05/1997	7.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	10/16/1997	8.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/27/1998	8.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/14/1998	2.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/20/2000	23.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	2/16/2000	24.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/12/2000	20.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	11/21/2000	26.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/24/2001	28.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/18/2001	19.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/31/2002	21.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/18/2002	24.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/21/2003	7.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/24/2003	14.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/22/2004	22.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/27/2004	20.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/19/2005	16.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/12/2005	18.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/18/2006	12.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	7/12/2006	11.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	1/24/2007	6.1000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	9/12/2007	12.0000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	3/19/2008	6.3000	5.0000
1,2-dichloroethane	UG/L	3406-MW09R	3/11/1996	.2000	5.0000
3-methylphenol	UG/L	3406-MW09R	1/22/1997	2.0000	10.0000
4-methylphenol	UG/L	3406-MW09R	1/22/1997	2.0000	10.0000
Acetone	UG/L	3406-MW09R	3/11/1996	66.0000	100.0000
Acetone	UG/L	3406-MW09R	4/29/1996	35.0000	34.0000
Acetone	UG/L	3406-MW09R	9/17/1996	12.0000	100.0000
Acetone	UG/L	3406-MW09R	6/05/1997	6.0000	100.0000
Benzene	UG/L	3406-MW09R	3/11/1996	5.0000	5.0000
Benzene	UG/L	3406-MW09R	4/29/1996	3.0000	5.0000
Benzene	UG/L	3406-MW09R	9/17/1996	.9000	5.0000
Benzene	UG/L	3406-MW09R	1/22/1997	2.0000	5.0000
Benzene	UG/L	3406-MW09R	6/05/1997	1.0000	5.0000
Benzene	UG/L	3406-MW09R	10/16/1997	.9000	5.0000
Bis(2-ethylhexyl) phthalate	UG/L	3406-MW09R	1/22/1997	3.0000	50.0000
Bis(2-ethylhexyl) phthalate	UG/L	3406-MW09R	1/27/1998	9.0000	20.0000
Carbon disulfide	UG/L	3406-MW09R	3/11/1996	.2000	100.0000
Carbon disulfide	UG/L	3406-MW09R	9/17/1996	.3000	100.0000
Chloroethane	UG/L	3406-MW09R	9/14/1994	1.0000	10.0000
Chloroethane	UG/L	3406-MW09R	12/06/1994	1.0000	10.0000
Chloroethane	UG/L	3406-MW09R	1/10/1995	2.0000	10.0000
Chloroethane	UG/L	3406-MW09R	3/11/1996	7.0000	10.0000
Chloroethane	UG/L	3406-MW09R	9/17/1996	25.0000	10.0000
Chloroethane	UG/L	3406-MW09R	11/18/1996	27.0000	10.0000
Chloroethane	UG/L	3406-MW09R	1/22/1997	32.0000	10.0000
Chloroethane	UG/L	3406-MW09R	6/05/1997	16.0000	10.0000
Chloroethane	UG/L	3406-MW09R	10/16/1997	14.0000	10.0000
Chloroethane	UG/L	3406-MW09R	1/27/1998	8.0000	10.0000
Chloroethane	UG/L	3406-MW09R	7/14/1998	.5000	10.0000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

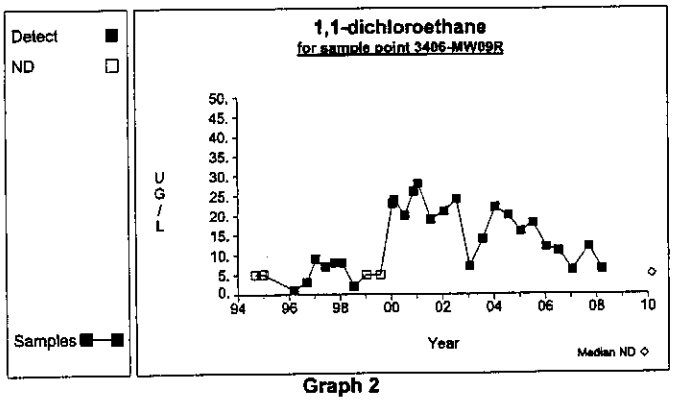
Piedmont [voc]

Analysis prepared on April 2008

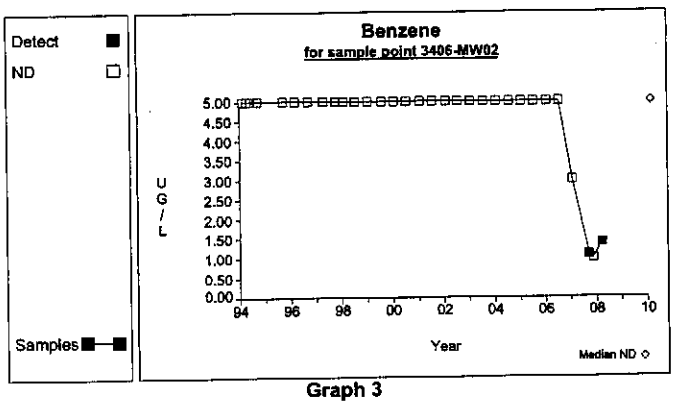
Time Series



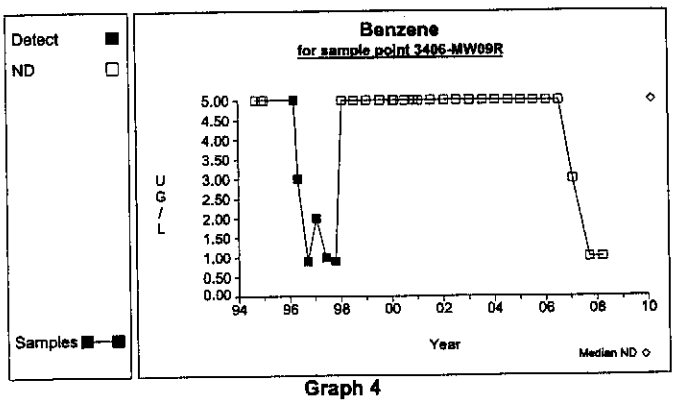
Graph 1



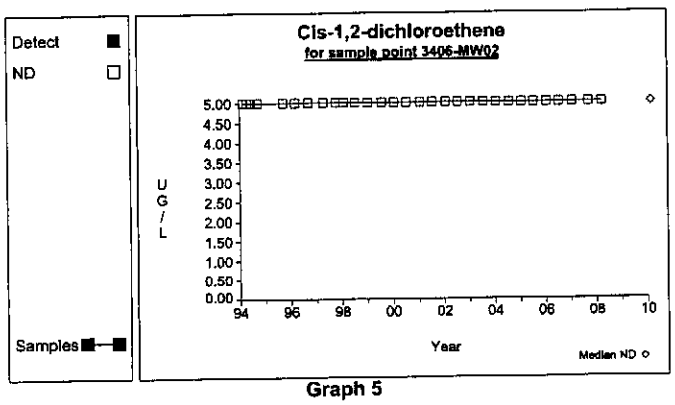
Graph 2



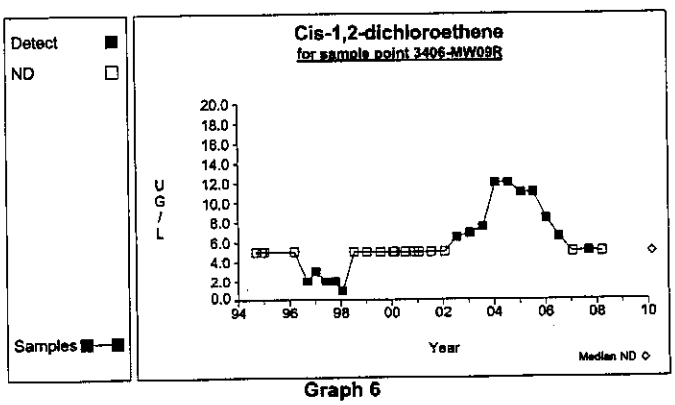
Graph 3



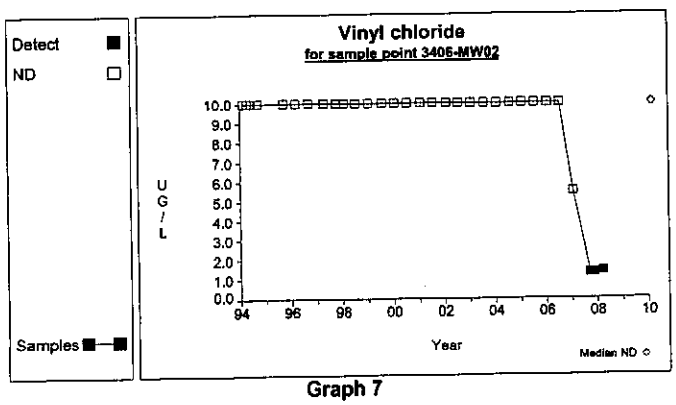
Graph 4



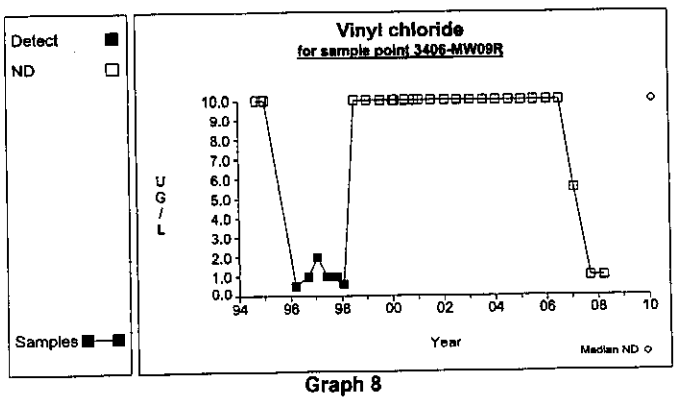
Graph 5



Graph 6



Graph 7



Graph 8

Prepared by: Otter Creek Environmental

APPENDIX C

GROUNDWATER FLOW REGIONAL REPORT

Piedmont Landfill & Recycling Center
Permit 34-06

Appendix C: Groundwater Flow Regime Report – March 2008

On behalf of Waste Management we have reviewed groundwater flow rates and flow directions at the Piedmont Landfill and Recycling Center for the first semiannual groundwater sampling event of 2008. The groundwater flow and direction calculations presented in this report are based on groundwater elevation data obtained by ProTech on March 19, 2008. The information provided in this report will satisfy, in part, the environmental reporting requirements of Piedmont Landfill's Municipal Solid Waste Permit.

The groundwater level measurements taken during the above referenced sampling event were used to construct the groundwater surface contour map attached to this report as *Drawing No. 1*. A summary of groundwater elevations obtained during this and previous sampling events is provided in *Table 2*. The potentiometric contours and the groundwater flow directions presented in *Drawing No. 1* were used to calculate hydraulic gradients for the site. The hydraulic gradient calculations are provided in *Table 3*. The hydraulic gradients (**i**) ranged from 0.023 ft/ft to 0.025 ft/ft. These gradients are generally consistent with past interpretations for the site.

An effective porosity value (**n**) of 41 percent was used in the equation based on an average of six laboratory-derived porosities as reported in the April 1994 *Design Hydrogeologic Study*, prepared by RUST Environment & Infrastructure. Hydraulic conductivities (**K**) were also taken from the *Design Hydrogeologic Study*, and were based on slug test data from piezometers located nearest the respective groundwater flow paths. Using these data, the average linear flow velocity (**V**) across the site was estimated using the following modified Darcy equation: $\mathbf{V = i\,K/n}$

The groundwater flow rates for March 2008 were on average approximately 14.25 feet/year. Segment i_1 was 18.51 feet/year to the north-northwest; Segment i_2 was 10.00 feet/year to the west. As shown on the groundwater surface contour map, groundwater flow at the site is generally west to northwest. These groundwater flow directions and velocities are consistent with those calculated during other recent events.

In summary, the groundwater measurements obtained during the March 2008 event are generally consistent with those obtained during previous sampling events. Based on this information, it is our opinion that the groundwater monitoring system continues to be adequate for the detection of the release of solid waste constituents to the environment.

Piedmont Landfill & Recycling Center
Groundwater Flow Regime Report – March 2008

Prepared by:

ENGINEERING, INC.

2211 West Meadowview Road, Suite 101
Greensboro, North Carolina 27407

NORTH CAROLINA LICENSED SEAL 1349 G. VAN NESS BURBACH GEOLOGIST

Prepared by: _____
G. Van Ness Burbach, Ph.D., P.G.

Attachments: Drawing No. 1 – Groundwater Surface Contour Map
Table 2 – Summary of Monitoring Well Water Levels
Table 3 – Groundwater Flow Rate Calculations

TABLE 2
SUMMARY OF MONITORING WELL WATER LEVELS

DATA	MONITORING WELL WATER LEVEL ELEVATIONS															
Well No.:	**MW-01**	**MW-02**	**MW-03**	**MW-04**	**MW-04D**	**MW-05**	**MW-06**	**MW-07**	**MW-08**	**MW-09**	**MW-09R**	**MW-10**	**MW-11**	**MW-11D**	**MW-12**	**MW-12D**
Well TOC Elevation:	**823.93**	**778.04**	**770.08**	**756.92**	**757.33**	**743.17**	**800.82**	**771.57**	**748.95**	**770.62**	**764.95**	**777.2**	**776.8**	**776.36**	**751.48**	**751.53**
Well Depth:	**49**	**25.5**	**38**	**27**	**62**	**20.5**	**29.6**	**31.3**	**18.8**	**35**	**42.95**	**38**	**35**	**93.5**	**18**	**43.3**
30-Jan-1998	781.82	750.71	746.26	745.46	745.46	738.49	779.84	744.32	744.30	737.47	NA	744.42	749.08	747.66	746.58	747.05
21-Jul-1998	784.78	750.06	746.76	743.92	743.78	737.14	781.04	745.07	741.20	738.96	NA	744.35	748.95	748.58	745.88	746.11
14-Jan-1999	780.98	749.16	744.91	744.27	744.16	737.60	777.86	743.57	742.68	736.62	NA	743.63	748.09	747.74	745.93	746.11
27-Jul-1999	780.48	749.08	744.86	743.26	743.28	734.04	777.52	743.92	740.53	737.12	NA	743.62	748.05	747.75	745.53	745.68
20-Jan-2000	780.30	748.51	744.83	744.77	744.43	737.82	777.27	743.87	743.18	NA	737.14	743.90	748.36	747.97	746.28	746.53
12-Jul-2001	780.10	748.73	745.30	742.88	743.06	737.08	776.81	744.25	740.40	NA	738.12	743.66	747.77	747.44	745.45	745.71
24-Jan-2001	778.93	748.91	744.43	744.69	744.73	737.72	775.84	743.40	743.41	NA	737.35	743.49	747.85	747.54	746.06	746.54
17,18-Jul-2001	779.59	748.41	744.61	742.72	742.78	736.76	776.08	743.92	739.99	NA	737.77	743.35	749.45	747.09	745.45	745.40
30,31-Jan-2002	777.29	748.14	743.08	743.09	743.49	737.37	773.72	742.57	742.17	NA	736.40	742.74	747.35	747.03	745.14	742.42
17,18-Jul-2002	776.47	747.29	742.88	741.80	741.93	736.48	772.97	742.57	738.97	NA	735.86	742.30	746.54	746.21	744.27	744.44
20,21-Jan-2003	777.12	748.14	745.45	743.87	743.96	737.40	775.08	744.06	742.51	NA	738.06	743.60	748.05	746.57	745.50	745.92
23,24-Jul-2003	782.10	749.48	748.08	743.92	743.83	738.07	778.39	745.53	742.74	NA	741.80	744.60	748.40	748.16	745.83	746.08
21,22-Jan-2004	781.75	748.89	746.57	743.77	743.84	737.36	778.02	744.37	742.30	NA	739.10	743.91	747.86	747.47	745.87	746.07
27,28-Jul-2004	780.80	748.24	745.18	742.27	742.43	736.77	776.65	743.96	739.65	NA	738.45	743.37	747.26	746.96	745.03	745.31
19,20-Jan-2005	780.38	749.11	745.43	744.35	744.37	737.97	777.46	744.56	743.35	NA	739.05	744.95	748.39	747.75	746.02	746.39
11,12,13-Jul-2005	780.55	748.59	744.82	742.81	742.87	735.22	777.51	744.96	740.87	NA	739.20	744.51	747.60	747.26	745.21	745.43
16,17,18-Jan-2006	778.76	748.58	744.75	744.03	744.13	737.77	776.53	744.19	743.40	NA	737.95	744.21	747.70	747.36	745.73	746.09
10,11,12-Jul-2006	779.27	748.17	744.47	743.69	743.58	737.39	776.09	744.08	741.90	NA	738.07	744.00	747.05	746.76	745.51	745.77
22, 23, 24-Jan-2007	781.16	749.52	745.64	744.30	744.30	738.22	778.37	745.67	743.79	NA	739.33	745.14	748.40	747.94	745.95	746.33
12,13-Sep-2007	781.71	747.84	743.58	741.65	741.58	736.57	773.75	744.06	738.53	NA	737.60	743.15	746.70	746.26	744.48	744.44
19-Mar-2008	780.19	749.02	744.26	744.04	744.04	737.91	777.94	744.85	743.34	NA	737.35	744.87	747.99	747.62	745.42	746.05

Notes:
1. All depths were measured from the top of the PVC casing (TOC).
2. TOC = Top of PVC casing (stick-up).
3. TOC elevation for MW-02 is revised; improvements were made to the well in July 2001 prior to sampling.
4. All water level elevations are reported in feet above mean sea level.
5. NA = not available

TABLE 3
GROUNDWATER FLOW RATE CALCULATIONS

GRADIENT CALCULATION SEGMENT	HYDRAULIC CONDUCTIVITY (K, cm/s)	EFFECTIVE POROSITY (n, unitless)	FLOW SEGMENT LENGTH (ft)	FLOW DIRECTION	March 19, 2008		
					Elevation (ft AMSL)	Gradient (i, ft/ft)	Velocity (V, ft/yr)
i_1	2.90E-04	0.41	1187	NNW	775	0.025	18.51
					745		
i_2	1.70E-04	0.41	1288	W	775	0.023	10.00
					745		
					AVERAGES:	0.024	14.25

Note:

1. An effective porosity ("n") of 41% was based on average laboratory-derived porosity as reported in the April 1994 Design Hydrogeologic Study, prepared by RUST Environment & Infrastructure.
2. Hydraulic conductivities ("K") were also taken from the Design Hydrogeologic Study, and were based on slug test data from piezometers originally located nearest the respective groundwater flow paths.
3. $V = i K / n$