WASTE MANAGEMENT

WASTE MANAGEMENT
1000 Parkwood Circle
Suite 700
Atlanta, GA 30339

May 13, 2011

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 Semiannual Groundwater Monitoring Report of 2011
Piedmont Landfill and Recycling Center, Kernersville, North Carolina
Permit Number 34-06

Dear Ms. Drummond:

Please find enclosed an electronic copy of the report documenting the First Semiannual Detection and Assessment Groundwater Monitoring Event of 2011 for the above-referenced facility. The report package includes an Environmental Monitoring Reporting Form and a CD with the complete report and laboratory data in electronic format. Samples were collected by Professional Technical Support Services (ProTech) on March 15, 2011. All samples were transported to the Test America, Inc. laboratory in Arvada, Colorado for analysis.

The Piedmont Landfill and Recycling Center is a closed municipal solid waste facility 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.

There were no confirmed statistically significant increases (SSIs) of any NCSWMR Appendix I or II constituents detected for this site during the first semiannual sampling event of 2010. A confirmed exceedance of NC2L groundwater standards for chromium was detected in well MW-03. An Alternate Source Demonstration was submitted on July 26, 2010 for the exceedence of chromium detected in MW-03 during the March 2010 sampling event. A letter from DNR, dated April 28, 2011, approved the ASD for chromium for groundwater monitoring well MW-03.

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A copy of this report will be placed into the site's operating record in accordance with Rule .1633(c)(1) of the NCSWMR. The next sampling event for the Piedmont Landfill and Recycling Center is scheduled for the third quarter of 2011. If you have any questions or concerns regarding this report, please call me at (770) 805-3366.

Sincerely,
Waste Management of Carolinas, Inc.

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

Enclosure

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

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

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 & Recycling Center	9900 Freeman Rd. Kernersville, NC	34-06	.1600	March 15, 2011

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 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 — Manager - Closed Sites — (770) 805-3366

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

Alexander Lacsamana 5/13/2011

Signature — Date

1000 Parkwood Circle, Suite 700 Atlanta, GA 30339

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

Prepared For:

Piedmont Landfill & Recycling Center
9900 Freeman Road
Kernersville, North Carolina 27284
Permit No. 34-06
JEI Project # 392.1101.12, Task 01

FIRST SEMIANNUAL DETECTION AND ASSESSMENT GROUNDWATER MONITORING EVENT FOR 2011

PIEDMONT LANDFILL & RECYCLING CENTER
PERMIT # 34-06

APRIL 2011

Prepared By:

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

FIRST SEMIANNUAL DETECTION AND ASSESSMENT GROUNDWATER MONITORING EVENT FOR 2011

PIEDMONT LANDFILL & RECYCLING CENTER

PERMIT # 34-06

APRIL 2011

Prepared by:

JOYCE ENGINEERING, INC.

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

Prepared by:

G. Van Ness Burbach, Ph.D., P.G.
NC License # 1349

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST VAN NESS BURBACH

JEI Project # 392.1101.12, Task 01

Waste Industry Experts

Joyce Engineering, Inc.
2211 West Meadowview Rd
Suite 101
Greensboro, NC 27407

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

www.JoyceEngineering.com

April 25, 2011

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 2011
Piedmont Landfill & Recycling Center, Permit No. 34-06
JEI Project No. 392.1101.12, Task 01

Dear Al,

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 2011. This report may also serve to fulfill the notification requirements of Rule .1634 (g) of the North Carolina Solid Waste Management Regulations (NCSWMR). An Environmental Monitoring Reporting Form (EMRF) for this event is attached.

Sampling for the event was performed on March 15, 2011 by Pro-Tech. During this semiannual event, the site compliance wells and surface water monitoring points were sampled and analyzed for the NC Appendix I list of constituents. The site leachate was also sampled during this event for the required list of parameters. The laboratory analytical reports, field data logs, and chains of custody are provided on CD as *Appendix A* of this report.

MONITORING PROGRAM HISTORY

The site entered into an Assessment Monitoring Program for background wells MW-01 and MW-06 and downgradient well MW-09 after volatile organic constituents were detected in MW-09 during the second semiannual event of 1996. Two organic compounds (chloroethane and 1,1-dichloroethane) were historically detected in monitoring well MW-09. Chloroethane exhibited a declining trend to the point where chloroethane was reported at less than the laboratory reporting limit during the January 1998 sampling event. The concentration of 1,1-dichloroethane in MW-09 also decreased below the laboratory reporting limit during the July 1998 sampling event. Following receipt of approval from the North Carolina Department of

Environment and Natural Resources (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-09 was replaced by well MW-09R in November 1999. No chloroethane concentration above the laboratory reporting limit or SWSL has been detected in MW-09R since the well was installed; however, 1,1-dichloroethane was detected in MW-09R 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-09R 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-09R during the first semiannual event in 2000, the site performed Assessment Monitoring on wells MW-01, MW-06, and MW-09R through the second semiannual event of 2001. Following NC DENR approval of an August 20, 2001 request by Waste Management, MW-01 and MW-06 again reverted to Detection Monitoring. Monitoring well MW-09R 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-09 and MW-09R 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 2007 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 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 initiated to help mitigate these impacts. The ASD was accepted by DENR in a letter dated May 7, 2008 with the condition that if vinyl chloride and benzene concentrations in MW-02 are not sufficiently reduced by Spring 2009, MW-02 would enter Assessment Monitoring. Neither benzene nor vinyl chloride have had confirmed detections above the NC2L standards in MW-02 since September 2008, so MW-02 remains in detection monitoring.

STATISTICAL ANALYSIS

The results of the statistical analysis of the March 2011 groundwater monitoring event are summarized below and in *Table 1*. The detailed statistical analyses for this event are

provided on CD in *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.0202 Groundwater Standards (NC2L) or to the North Carolina Department of Environmental and Natural Resources (DENR) Solid Waste Section Limits (SWSL).

Detection Monitoring Event

MW-01, MW-02, MW-03, MW-04, MW-04D, MW-05, MW-06, MW-07, MW-08, MW-10, MW-11, MW-11D, MW-12, MW-12D, and Surface Water Points: S-02, S-03, S-04, and S-05

During the first semiannual event of 2011, fourteen detection monitoring wells and four surface water points were sampled for the NC Appendix I list of constituents. The laboratory analytical reports, field data logs, and chains of custody for the March 2011 event are provided on CD in *Appendix A* of this report.

Organic Constituents

There were no quantified detections (above the SWSL) of organic constituents in any of these wells or surface water points during this event.

Inorganic Constituents

Inorganic constituents with quantified detections (above the SWSL) in one or more groundwater or surface water samples included barium in MW-02 and MW-08, chromium in MW-03, and zinc in MW-09R and MW-10. Chromium was detected above the NC2L in MW-03. No detections were considered to be statistically significant increases (SSI) above background. No other Appendix I inorganic constituents were detected above the SWSL or the NC2L groundwater standards or groundwater protection standards (GWPS) in any detection monitoring well or surface water sample during the March 2011 sampling event.

An Alternate Source Demonstration was submitted on July 26, 2010 for the exceedence of chromium detected in MW-03 during the March 2010 sampling event. As of April 21, 2011, DENR has neither approved nor disapproved the ASD.

Assessment Monitoring Event

MW -9R:

During the first semiannual event of 2011, 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 2011. The analytical results for the March 2011 event are provided on CD in *Appendix A* to this letter report.

Organic Constituents

There were no organic constituents with quantified detections (above the SWSL) reported for MW-09R during this event.

Inorganic Constituents

There were no inorganic constituents with quantified detections (above the SWSL) reported for MW-09R during this event.

Well MW-09R 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 2011 on CD 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, phosphorus, 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 2011 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.

CONCLUSIONS/CLOSURE

There were no organic constituents with quantified detections (above the SWSL) reported for any monitoring wells or surface water points during the March 2011 monitoring event. Several inorganic constituents had quantified detections in some monitoring wells, and

chromium was detected above the NC 2L groundwater standard in MW-03. No quantified detections were considered to be SSIs.

An Alternate Source Demonstration was submitted on July 26, 2010 for the exceedence of chromium detected in MW-03 during the March 2010 sampling event. As of April 21, 2011, DENR has neither approved nor disapproved the ASD. MW-03 will continue to be monitored in accordance with the Detection Monitoring Program.

Well MW-9R will continue to be monitored in accordance with the Assessment Monitoring Program in future events. All other wells will continue to be monitored in accordance with the Detection Monitoring Program and surface water points will continue to be monitored as required by the DENR. The next monitoring event for the closed Piedmont Landfill and Recycling Center is scheduled for the third quarter of 2011. If you have any questions, feel free to contact me or Steve Cowie at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

G. Van Ness Burbach, PhD, PG
Technical Consultant

Attachments: Environmental Monitoring Reporting Form
Table 1 – Summary of Detected Constituents
Appendix A – Laboratory Analytical Reports (on CD)
Appendix B – Groundwater Statistical Analyses Report (on CD)
Appendix C – Groundwater Flow Regime Report

Copy: Steve Clarke, Waste Management
JEI File

TABLE

TABLE 1
QUANTIFIED DETECTED APPENDIX I AND APPENDIX II CONSTITUENTS

WELL ID	PARAMETER	RESULT	UNITS	SWSL	NC 2L	LIMIT	SSI
3406-MW02	Barium	130	µg/L	100	700	1,143.3	No
3406-MW03	Chromium	13	µg/L	10	10	18.2	No
3406-MW08	Barium	110	µg/L	100	700	1,126.4	No
3406-MW09R	Zinc	28	µg/L	10	1000	87.9	No
3406-MW010	Zinc	14	µg/L	10	1000	50.0	No

Notes:

1. SWSL = NC DENR Solid Waste Section Limits
2. NC2L = 15A-NCAC-2L.0202 Groundwater Standards
3. LIMIT = Background limit based on intra-well statististics.
4. SSI = Apparent statistically-significant increase above background.
5. Estimated and blank-qualified detections are excluded (except for resampling results).
6. J = Estimated concentration below the SWSL.
7. Shaded values are greater than the NC 2L Standard.
8. An Alternate Source Demonstraion for chromium in MW-3 was submitted to the DENR in July 2010.

APPENDICES ON CD:

Appendix A: Laboratory Analytical Reports

Including Field Data Logs and Chains of Custody

Appendix B: Groundwater Statistical Analyses Report

APPENDIX C

GROUNDWATER FLOW REGIME REPORT

Piedmont Landfill & Recycling Center – Permit No. 34-06
Groundwater Flow Regime Report – March 2011 Event

Prepared by:

ENGINEERING, INC.

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

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

NORTH CAROLINA LICENSED SEAL 1345 GEOLOGIST G. VAN NESS BURBACH

Attachments: Drawing No. 1 – Groundwater Surface Map
Table 2 – Historical Groundwater Elevations
Table 3 – Groundwater Flow Rate Calculations

Piedmont Landfill & Recycling Center
Permit 34-06

APPENDIX C:
Groundwater Flow Regime Report – March 2011 Event

On behalf of Waste Management, Joyce Engineering, Inc. has reviewed groundwater flow rates and flow directions at the Piedmont Landfill and Recycling Center for the first semiannual groundwater sampling event of 2011. The groundwater flow and direction calculations presented in this report are based on groundwater elevation data obtained by ProTech on March 15, 2011. 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 0.013 ft/ft to 0.030 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 the gradient (**i**) along each flow path, the linear flow velocity (**V**) was estimated using the modified Darcy equation: $\mathbf{V = i\,K/n}$. The flow rate calculations are presented in *Table 3*.

As shown on *Drawing 1*, groundwater flow at the site is generally west to northwest. Segment i_1 was 18.2 feet/year to the north-northwest; Segment i_2 was 5.4 feet/year to the northwest; Segment i_3 was 12.8 feet/year to the west. The average groundwater flow rate for March 2011 was approximately 13.5 feet/year. These groundwater flow directions and velocities are consistent with those calculated during other recent events.

In summary, the groundwater measurements obtained during the March 2011 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.

TABLE 2
HISTORICAL GROUNDWATER ELEVATIONS

DATA	MONITORING WELL WATER LEVEL ELEVATIONS															
Well ID:	**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**
TOC Elevation:	823.93	778.04	770.08	756.92	757.33	743.17	800.82	771.57	748.95	770.62	764.95	777.20	776.80	776.36	751.48	751.53
Well Depth:	49.0	25.5	38.0	27.0	62.0	20.5	29.6	31.3	18.8	35.0	43.0	38.0	35.0	93.5	18.0	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
11-Sep-2008	779.78	747.53	743.05	742.03	741.98	736.92	775.93	743.93	739.86	NA	736.89	743.55	746.55	746.14	744.54	744.65
11-Mar-2009	779.55	749.34	744.67	743.91	744.14	737.96	777.02	745.84	743.52	NA	738.35	747.67	748.13	747.76	745.37	746.01
16-Sep-2009	780.08	747.87	743.28	741.69	741.56	736.64	775.82	744.64	738.49	NA	737.13	743.37	746.84	746.36	744.41	744.38
10-Mar-2010	781.45	750.17	745.87	744.22	744.21	738.17	779.04	748.14	743.24	NA	741.16	748.24	749.06	748.61	745.33	746.23
16-Sep-2010	781.85	748.47	744.64	742.51	742.53	737.22	777.86	745.57	740.03	NA	737.90	744.90	747.42	747.07	744.86	745.08
15-Mar-2011	780.68	749.36	745.05	743.89	744.35	738.29	778.17	746.17	743.74	NA	738.35	745.14	748.42	747.47	744.91	745.63

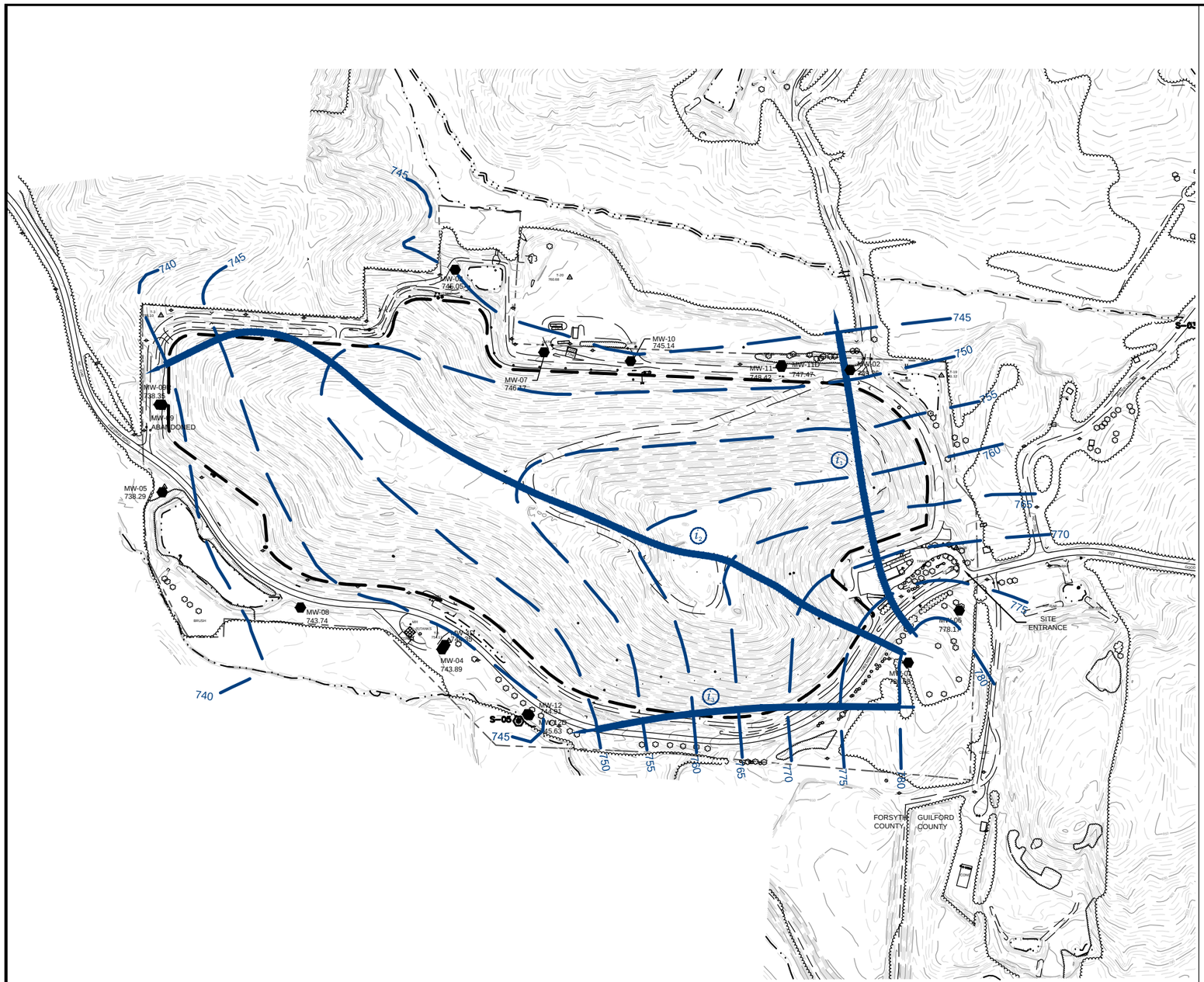
Notes:
TOC = Top of PVC casing.
All depths in feet measured from TOC.
TOC elevation for MW-02 is revised reflecting improvements were made to the well in July 2001 prior to sampling.
All water level elevations are reported in feet above mean sea level.
NA = data not available.

TABLE 3
GROUNDWATER FLOW RATE CALCULATIONS

GRADIENT CALCULATION SEGMENT	HYDRAULIC CONDUCTIVITY (K, cm/s)	HYDRAULIC CONDUCTIVITY (K, ft/s)	EFFECTIVE POROSITY (**n**, unitless)	FLOW SEGMENT LENGTH (ft)	FLOW DIRECTION	March 15, 2010		
						Elevation (ft AMSL)	**Gradient** (**i**, ft/ft)	**Velocity** (**V**, ft/yr)
i_1	2.90E-04	9.51E-06	0.41	1206	NNW	780 750	0.025	18.2
i_2	1.70E-04	5.58E-06	0.41	3182	NW	780 740	0.013	5.4
i_3	1.70E-04	5.58E-06	0.41	1178	W	780 745	0.030	12.8
						AVERAGE:	0.022	12.1

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



LEGEND

EXISTING 10' TOPOGRAPHIC CONTOUR	850
EXISTING 2' TOPOGRAPHIC CONTOUR	
APPROXIMATE LIMITS OF WASTE	
GROUNDWATER SURFACE CONTOUR [FEET ABOVE MEAN SEA LEVEL (AMSL)]	740
GROUNDWATER FLOW DIRECTION	
EXISTING ROAD	
CENTERLINE OF STREAM	
PROPERTY LINE	
GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH STATIC WATER LEVEL ELEVATION (FEET AMSL)	MW-9R 738.35
SURFACE WATER MONITORING POINTS	S-03
SEGMENT USED FOR GRADIENT CALCULATIONS	i_9

NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET.
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 5 FEET.
3. STATIC WATER LEVELS MEASURED ON 03/15/11.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL GROUNDWATER CONDITIONS.
5. TOPOGRAPHIC MAP AND SURVEYED WELL LOCATIONS PROVIDED TO JOYCE ENGINEERING, INC. BY PIEDMONT LANDFILL.
6. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL. THE GROUNDWATER FLOW DIRECTION IS GENERALLY PERPENDICULAR TO THE GROUNDWATER SURFACE CONTOURS, SIMILAR TO THE RELATIONSHIP BETWEEN SURFACE WATER FLOW AND TOPOGRAPHIC CONTOURS.
7. THE LOCATIONS OF SURFACE WATER MONITORING POINTS ARE APPROXIMATE AS SHOWN.

GRAPHIC SCALE

0 100 200 400

(FEET)

NO	BY	CK	APP

REVISIONS AND RECORD OF ISSUE

DATE

DESIGNED RLW
DRAWN JJK
CHECKED GVB
APPROVED GVB
DATE 3/15/11

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PIEDMONT LANDFILL AND RECYCLING CENTER
KERNERSVILLE, NORTH CAROLINA

GROUNDWATER SURFACE MAP
MARCH 15, 2011
PERMIT NO. 34-06

PROJECT NO.
392.1101.12.01

SCALE
AS NOTED

DRAWING NO.
1

N:\Dwgs\Drawings-Current\WM\Piedmont\GW EVENT MAPS\GW EVENT 03-15-11.dwg Layout=Layout1

ANALYTICAL REPORT

Job Number: 280-13571-1

Job Description: 134|Piedmont Landfill

For:
Waste Management
Southern Area
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339

Attention: Mr. Al Lacsamana

Approved for release.
Betsy A Sara
Project Manager II
4/6/2011 3:30 PM

Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
04/06/2011

cc: Mr. Van Burbach

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE

Client: Waste Management

Project: 134|Piedmont Landfill

Report Number: 280-13571-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The reporting limits (RLs) in this report are North Carolina SWSLs.

Sample Receiving

The samples were received on 03/16/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.6C and 2.3C.

Holding Times

The holding times were within established control limits.

Trip Blanks

Acetone, a common laboratory contaminant, was detected in the trip blank sample at a level below the requested reporting limit. Acetone was also detected in samples 3406-01FB, 3406-MW02, 3406-MW04, 3406-MW04D, 3406-MW05, 3406-MW06, 3406-MW08, 3406-MW09R and 3406-MW12 at similar levels, therefore, the Acetone in these samples is likely due to laboratory artifact.

Methylene Chloride was detected in the trip blank sample at a level below the requested reporting limit, however, Methylene Chloride was not detected in any other samples, and therefore, no corrective action was performed.

Method Blanks

Acetone Method 8260B was detected in the Method Blank below the project established reporting limit. 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)

All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

Sample 3406-MW01 was selected to fulfill the laboratory batch quality control requirements for Method 8260B. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Bromodichloromethane, Carbon Tetrachloride, Chloroform, 1,1-Dichloroethane, and 1,1,1-Trichloroethane above the upper control limits indicating the possible presence of a matrix interference.

Sample 3406-MW12 was selected to fulfill the laboratory batch quality control requirements for Method 8260B. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Bromodichloromethane, Carbon Tetrachloride, Chloroform, 1,1-Dichloroethane, 1,1,1-Trichloroethane and 1,2-Dichloroethane-d4 (surrogate) above the upper control limits indicating the possible presence of a matrix interference.

Sample 3406-MW09R was selected to fulfill the laboratory batch quality control requirements for Method 6020A. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Zinc below the lower control limit indicating the possible presence of a matrix interference.

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

Organics

The Method 8260B surrogate recoveries of 1,2-Dichloroethane-d4 and/or Dibromofluoromethane were above control limits for samples 3406-MW05, 3406-MW06, 3406-MW07, 3406-MW08, 3406-MW09R, 3406-MW10, 3406-MW11, 3406-MW11D, MW-12, MW-12D and

Trip Blank. Because the data are considered to be biased high and all Method 8260B target analytes in the samples were non-detect above the reporting limits, corrective action was deemed unnecessary.

The MS Refrigerator, which holds the water samples for GC/MS Volatiles, went outside of temperature control for a total of 4 hours and 50 minutes on 3/16/11. The temperature reached 6.8 degrees Celsius and the upper limit is 5.9 degrees Celsius. The refrigerator is currently in temperature control. The samples were within historical limits.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-1FB	**3406-01FB**					
Acetone		2.7	J B	100	ug/L	8260B
Chloroform		2.8	J	5.0	ug/L	8260B
Field pH		7.47			SU	Field Sampling
Field Conductivity		2			umhos/cm	Field Sampling
Field Temperature		10.9			Degrees C	Field Sampling
Field Turbidity		0.0			NTU	Field Sampling
Field Dissolved Oxygen		6.1			mg/L	Field Sampling
Field EH/ORP		49.6			millivolts	Field Sampling
Total Recoverable						
Cadmium		0.31	J	1.0	ug/L	6020A
Thallium		0.039	J	5.5	ug/L	6020A
280-13571-2	**3406-MW01**					
Well Elevation		823.93			ft/msl	Field Sampling
Depth to water		43.23			ft	Field Sampling
Groundwater Elevation		780.68			ft/msl	Field Sampling
Field pH		6.14			SU	Field Sampling
Field Conductivity		59			umhos/cm	Field Sampling
Field Temperature		11.3			Degrees C	Field Sampling
Field Turbidity		0.8			NTU	Field Sampling
Field Dissolved Oxygen		4.3			mg/L	Field Sampling
Field EH/ORP		193.0			millivolts	Field Sampling
Total Recoverable						
Barium		57	J	100	ug/L	6010C
Chromium		1.4	J	10	ug/L	6010C
Nickel		1.7	J	50	ug/L	6010C
Vanadium		1.4	J	25	ug/L	6010C
Cadmium		0.076	J	1.0	ug/L	6020A
Copper		5.4	J	10	ug/L	6020A
Thallium		0.035	J	5.5	ug/L	6020A
Zinc		6.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result / Qualifier		Limit	Units	Method
280-13571-3	**3406-MW02**					
Acetone		2.6	J B	100	ug/L	8260B
1,1-Dichloroethane		0.37	J	5.0	ug/L	8260B
Well Elevation		778.04			ft/msl	Field Sampling
Depth to water		28.68			ft	Field Sampling
Groundwater Elevation		749.36			ft/msl	Field Sampling
Field pH		5.01			SU	Field Sampling
Field Conductivity		125			umhos/cm	Field Sampling
Field Temperature		14.3			Degrees C	Field Sampling
Field Turbidity		0.4			NTU	Field Sampling
Field Dissolved Oxygen		1.3			mg/L	Field Sampling
Field EH/ORP		159.6			millivolts	Field Sampling
Total Recoverable						
Barium		130		100	ug/L	6010C
Antimony		0.083	J	6.0	ug/L	6020A
Cadmium		0.21	J	1.0	ug/L	6020A
Copper		0.96	J	10	ug/L	6020A
Zinc		7.6	J	10	ug/L	6020A
280-13571-4	**3406-MW03**					
Well Elevation		770.08			ft/msl	Field Sampling
Depth to water		25.03			ft	Field Sampling
Groundwater Elevation		745.05			ft/msl	Field Sampling
Field pH		5.69			SU	Field Sampling
Field Conductivity		117			umhos/cm	Field Sampling
Field Temperature		13.5			Degrees C	Field Sampling
Field Turbidity		0.7			NTU	Field Sampling
Field Dissolved Oxygen		1.8			mg/L	Field Sampling
Field EH/ORP		179.0			millivolts	Field Sampling
Total Recoverable						
Barium		18	J	100	ug/L	6010C
Chromium		13		10	ug/L	6010C
Vanadium		9.3	J	25	ug/L	6010C
Silver		1.0	J	10	ug/L	6010C
Cadmium		0.088	J	1.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-5	**3406-MW04**					
Acetone		2.3	J B	100	ug/L	8260B
Well Elevation		756.92			ft/msl	Field Sampling
Depth to water		13.03			ft	Field Sampling
Groundwater Elevation		743.89			ft/msl	Field Sampling
Field pH		5.36			SU	Field Sampling
Field Conductivity		89			umhos/cm	Field Sampling
Field Temperature		13.2			Degrees C	Field Sampling
Field Turbidity		5.9			NTU	Field Sampling
Field Dissolved Oxygen		0.9			mg/L	Field Sampling
Field EH/ORP		110.6			millivolts	Field Sampling
Total Recoverable						
Barium		61	J	100	ug/L	6010C
Cobalt		1.6	J	10	ug/L	6010C
Cadmium		0.070	J	1.0	ug/L	6020A
Thallium		0.022	J	5.5	ug/L	6020A
Zinc		7.6	J	10	ug/L	6020A
280-13571-6	**3406-MW04D**					
Acetone		1.9	J B	100	ug/L	8260B
Well Elevation		757.33			ft/msl	Field Sampling
Depth to water		12.98			ft	Field Sampling
Groundwater Elevation		744.35			ft/msl	Field Sampling
Field pH		6.44			SU	Field Sampling
Field Conductivity		95			umhos/cm	Field Sampling
Field Temperature		13.1			Degrees C	Field Sampling
Field Turbidity		16.8			NTU	Field Sampling
Field Dissolved Oxygen		1.4			mg/L	Field Sampling
Field EH/ORP		21.2			millivolts	Field Sampling
Total Recoverable						
Barium		23	J	100	ug/L	6010C
Chromium		6.4	J	10	ug/L	6010C
Vanadium		2.9	J	25	ug/L	6010C
Arsenic		0.32	J	10	ug/L	6020A
Cadmium		0.062	J	1.0	ug/L	6020A
Zinc		5.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-7	**3406-MW05**					
Acetone		2.4	J B	100	ug/L	8260B
Well Elevation		743.17			ft/msl	Field Sampling
Depth to water		4.88			ft	Field Sampling
Groundwater Elevation		738.29			ft/msl	Field Sampling
Field pH		5.81			SU	Field Sampling
Field Conductivity		287			umhos/cm	Field Sampling
Field Temperature		10.5			Degrees C	Field Sampling
Field Turbidity		0.6			NTU	Field Sampling
Field Dissolved Oxygen		0.4			mg/L	Field Sampling
Field EH/ORP		207.0			millivolts	Field Sampling
Total Recoverable						
Barium		37	J	100	ug/L	6010C
Chromium		4.3	J	10	ug/L	6010C
Nickel		1.7	J	50	ug/L	6010C
Vanadium		6.2	J	25	ug/L	6010C
Cadmium		0.068	J	1.0	ug/L	6020A
280-13571-8	**3406-MW06**					
Acetone		3.2	J B	100	ug/L	8260B
Well Elevation		778.04			ft/msl	Field Sampling
Depth to water		22.65			ft	Field Sampling
Groundwater Elevation		755.39			ft/msl	Field Sampling
Field pH		5.60			SU	Field Sampling
Field Conductivity		30			umhos/cm	Field Sampling
Field Temperature		10.6			Degrees C	Field Sampling
Field Turbidity		0.5			NTU	Field Sampling
Field Dissolved Oxygen		1.6			mg/L	Field Sampling
Field EH/ORP		243.0			millivolts	Field Sampling
Total Recoverable						
Barium		38	J	100	ug/L	6010C
Chromium		1.4	J	10	ug/L	6010C
Cadmium		0.072	J	1.0	ug/L	6020A
Copper		1.5	J	10	ug/L	6020A
Zinc		9.3	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-9	**3406-MW07**					
Well Elevation		771.57			ft/msl	Field Sampling
Depth to water		25.40			ft	Field Sampling
Groundwater Elevation		746.17			ft/msl	Field Sampling
Field pH		5.80			SU	Field Sampling
Field Conductivity		151			umhos/cm	Field Sampling
Field Temperature		13.8			Degrees C	Field Sampling
Field Turbidity		5.9			NTU	Field Sampling
Field Dissolved Oxygen		2.5			mg/L	Field Sampling
Field EH/ORP		29.4			millivolts	Field Sampling
Total Recoverable						
Barium		6.2	J	100	ug/L	6010C
Chromium		0.87	J	10	ug/L	6010C
Vanadium		5.4	J	25	ug/L	6010C
Cadmium		0.073	J	1.0	ug/L	6020A
Copper		2.4	J	10	ug/L	6020A
Zinc		7.1	J	10	ug/L	6020A
280-13571-10	**3406-MW08**					
Acetone		1.9	J B	100	ug/L	8260B
Well Elevation		748.95			ft/msl	Field Sampling
Depth to water		5.21			ft	Field Sampling
Groundwater Elevation		743.74			ft/msl	Field Sampling
Field pH		5.56			SU	Field Sampling
Field Conductivity		120			umhos/cm	Field Sampling
Field Temperature		8.9			Degrees C	Field Sampling
Field Turbidity		5.3			NTU	Field Sampling
Field Dissolved Oxygen		1.4			mg/L	Field Sampling
Field EH/ORP		252.0			millivolts	Field Sampling
Total Recoverable						
Barium		110		100	ug/L	6010C
Chromium		1.5	J	10	ug/L	6010C
Cobalt		1.5	J	10	ug/L	6010C
Vanadium		1.9	J	25	ug/L	6010C
Cadmium		0.077	J	1.0	ug/L	6020A
Thallium		0.020	J	5.5	ug/L	6020A
Zinc		2.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-11	**3406-MW09R**					
Acetone		1.9	J B	100	ug/L	8260B
1,1-Dichloroethane		2.3	J	5.0	ug/L	8260B
Well Elevation		764.95			ft/msl	Field Sampling
Depth to water		26.60			ft	Field Sampling
Groundwater Elevation		738.35			ft/msl	Field Sampling
Field pH		5.95			SU	Field Sampling
Field Conductivity		246			umhos/cm	Field Sampling
Field Temperature		13.3			Degrees C	Field Sampling
Field Turbidity		0.8			NTU	Field Sampling
Field Dissolved Oxygen		1.7			mg/L	Field Sampling
Field EH/ORP		136.0			millivolts	Field Sampling
Total Recoverable						
Barium		13	J	100	ug/L	6010C
Nickel		3.0	J	50	ug/L	6010C
Vanadium		9.6	J	25	ug/L	6010C
Cadmium		0.29	J	1.0	ug/L	6020A
Copper		3.7	J	10	ug/L	6020A
Thallium		0.025	J	5.5	ug/L	6020A
Zinc		28		10	ug/L	6020A
280-13571-12	**3406-MW10**					
Well Elevation		777.20			ft/msl	Field Sampling
Depth to water		32.06			ft	Field Sampling
Groundwater Elevation		745.14			ft/msl	Field Sampling
Field pH		5.73			SU	Field Sampling
Field Conductivity		115			umhos/cm	Field Sampling
Field Temperature		14.2			Degrees C	Field Sampling
Field Turbidity		4.7			NTU	Field Sampling
Field Dissolved Oxygen		3.5			mg/L	Field Sampling
Field EH/ORP		70.9			millivolts	Field Sampling
Total Recoverable						
Barium		7.5	J	100	ug/L	6010C
Chromium		3.0	J	10	ug/L	6010C
Nickel		1.7	J	50	ug/L	6010C
Vanadium		3.3	J	25	ug/L	6010C
Antimony		0.11	J	6.0	ug/L	6020A
Cadmium		0.11	J	1.0	ug/L	6020A
Copper		2.2	J	10	ug/L	6020A
Thallium		0.025	J	5.5	ug/L	6020A
Zinc		14		10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-13	**3406-MW11**					
1,1-Dichloroethane		0.54	J	5.0	ug/L	8260B
Well Elevation		776.80			ft/msl	Field Sampling
Depth to water		28.38			ft	Field Sampling
Groundwater Elevation		748.42			ft/msl	Field Sampling
Field pH		5.42			SU	Field Sampling
Field Conductivity		165			umhos/cm	Field Sampling
Field Temperature		14.1			Degrees C	Field Sampling
Field Turbidity		4.4			NTU	Field Sampling
Field Dissolved Oxygen		1.2			mg/L	Field Sampling
Field EH/ORP		140.3			millivolts	Field Sampling
Total Recoverable						
Barium		64	J	100	ug/L	6010C
Cobalt		2.1	J	10	ug/L	6010C
Vanadium		2.0	J	25	ug/L	6010C
Cadmium		0.16	J	1.0	ug/L	6020A
Copper		0.56	J	10	ug/L	6020A
Zinc		8.7	J	10	ug/L	6020A
280-13571-14	**3406-MW11D**					
Well Elevation		776.36			ft/msl	Field Sampling
Depth to water		28.89			ft	Field Sampling
Groundwater Elevation		747.47			ft/msl	Field Sampling
Field pH		6.06			SU	Field Sampling
Field Conductivity		75			umhos/cm	Field Sampling
Field Temperature		13.3			Degrees C	Field Sampling
Field Turbidity		15.8			NTU	Field Sampling
Field Dissolved Oxygen		4.1			mg/L	Field Sampling
Field EH/ORP		92.8			millivolts	Field Sampling
Total Recoverable						
Barium		24	J	100	ug/L	6010C
Chromium		5.8	J	10	ug/L	6010C
Vanadium		9.4	J	25	ug/L	6010C
Cadmium		0.045	J	1.0	ug/L	6020A
Copper		3.8	J	10	ug/L	6020A
Zinc		4.4	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13571-15	**3406-MW12**					
Acetone		2.7	J B	100	ug/L	8260B
Well Elevation		751.48			ft/msl	Field Sampling
Depth to water		6.57			ft	Field Sampling
Groundwater Elevation		744.91			ft/msl	Field Sampling
Field pH		5.98			SU	Field Sampling
Field Conductivity		145			umhos/cm	Field Sampling
Field Temperature		12.6			Degrees C	Field Sampling
Field Turbidity		9.1			NTU	Field Sampling
Field Dissolved Oxygen		1.0			mg/L	Field Sampling
Field EH/ORP		42.0			millivolts	Field Sampling
Total Recoverable						
Barium		20	J	100	ug/L	6010C
Chromium		1.5	J	10	ug/L	6010C
Vanadium		4.1	J	25	ug/L	6010C
Cadmium		0.045	J	1.0	ug/L	6020A
Copper		1.0	J	10	ug/L	6020A
Zinc		2.6	J	10	ug/L	6020A
280-13571-16	**3406-MW12D**					
Well Elevation		751.48			ft/msl	Field Sampling
Depth to water		5.90			ft	Field Sampling
Groundwater Elevation		745.58			ft/msl	Field Sampling
Field pH		6.52			SU	Field Sampling
Field Conductivity		226			umhos/cm	Field Sampling
Field Temperature		12.4			Degrees C	Field Sampling
Field Turbidity		13.0			NTU	Field Sampling
Field Dissolved Oxygen		0.9			mg/L	Field Sampling
Field EH/ORP		63.6			millivolts	Field Sampling
Total Recoverable						
Barium		8.9	J	100	ug/L	6010C
Chromium		1.9	J	10	ug/L	6010C
Vanadium		3.5	J	25	ug/L	6010C
Silver		1.0	J	10	ug/L	6010C
Cadmium		0.050	J	1.0	ug/L	6020A
Copper		1.5	J	10	ug/L	6020A
Zinc		4.5	J	10	ug/L	6020A
280-13571-17TB	**TRIP BLANK**					
Acetone		2.8	J B	100	ug/L	8260B
Methylene Chloride		0.68	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: Waste Management

Job Number: 280-13571-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Field Sampling	TAL DEN	EPA Field Sampling	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Waste Management

Job Number: 280-13571-1

Method	Analyst	Analyst ID
SW846 8260B	Jackson, Todd D	TDJ
SW846 6010C	Harre, John K	JKH
SW846 6020A	Lill, Thomas E	TEL
EPA Field Sampling	Field, Sampler	FS

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-13571-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-13571-1FB	3406-01FB	Water	03/15/2011 1153	03/16/2011 0900
280-13571-2	3406-MW01	Water	03/15/2011 0925	03/16/2011 0900
280-13571-3	3406-MW02	Water	03/15/2011 0945	03/16/2011 0900
280-13571-4	3406-MW03	Water	03/15/2011 1116	03/16/2011 0900
280-13571-5	3406-MW04	Water	03/15/2011 0843	03/16/2011 0900
280-13571-6	3406-MW04D	Water	03/15/2011 0909	03/16/2011 0900
280-13571-7	3406-MW05	Water	03/15/2011 0813	03/16/2011 0900
280-13571-8	3406-MW06	Water	03/15/2011 1001	03/16/2011 0900
280-13571-9	3406-MW07	Water	03/15/2011 1143	03/16/2011 0900
280-13571-10	3406-MW08	Water	03/15/2011 0845	03/16/2011 0900
280-13571-11	3406-MW09R	Water	03/15/2011 1046	03/16/2011 0900
280-13571-12	3406-MW10	Water	03/15/2011 1111	03/16/2011 0900
280-13571-13	3406-MW11	Water	03/15/2011 1014	03/16/2011 0900
280-13571-14	3406-MW11D	Water	03/15/2011 1044	03/16/2011 0900
280-13571-15	3406-MW12	Water	03/15/2011 0812	03/16/2011 0900
280-13571-16	3406-MW12D	Water	03/15/2011 0741	03/16/2011 0900
280-13571-17TB	TRIP BLANK	Water	03/15/2011 0000	03/16/2011 0900

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-01FB**

Lab Sample ID: 280-13571-1FB

Client Matrix: Water

Date Sampled: 03/15/2011 1153

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6669.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1221			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1221				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.7	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	2.8	J	0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-01FB**

Lab Sample ID: 280-13571-1FB

Client Matrix: Water

Date Sampled: 03/15/2011 1153

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6669.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1221			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1221				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	104		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-13571-2

Client Matrix: Water

Date Sampled: 03/15/2011 0925

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6671.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1307			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1307				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-13571-2

Client Matrix: Water

Date Sampled: 03/15/2011 0925

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6671.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1307			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1307				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-13571-3

Client Matrix: Water

Date Sampled: 03/15/2011 0945

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6674.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1410			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1410				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.6	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	0.37	J	0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-13571-3

Client Matrix: Water

Date Sampled: 03/15/2011 0945

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6674.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1410			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1410				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-13571-4

Client Matrix: Water

Date Sampled: 03/15/2011 1116

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6675.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1431			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1431				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-13571-4

Client Matrix: Water

Date Sampled: 03/15/2011 1116

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6675.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1431			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1431				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	110		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-13571-5

Client Matrix: Water

Date Sampled: 03/15/2011 0843

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6676.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1453			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.3	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-13571-5

Client Matrix: Water

Date Sampled: 03/15/2011 0843

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6676.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1453			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-13571-6

Client Matrix: Water

Date Sampled: 03/15/2011 0909

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6677.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1514			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1514				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-13571-6

Client Matrix: Water

Date Sampled: 03/15/2011 0909

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6677.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1514			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1514				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-13571-7

Client Matrix: Water

Date Sampled: 03/15/2011 0813

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6678.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1535			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1535				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.4	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-13571-7

Client Matrix: Water

Date Sampled: 03/15/2011 0813

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6678.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1535			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1535				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130	X	70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	117		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-13571-8

Client Matrix: Water

Date Sampled: 03/15/2011 1001

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6679.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1556			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1556				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.2	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-13571-8

Client Matrix: Water

Date Sampled: 03/15/2011 1001

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6679.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1556			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1556				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	141	X	70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	106		78 - 120
Dibromofluoromethane (Surr)	126	X	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-13571-9

Client Matrix: Water

Date Sampled: 03/15/2011 1143

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6680.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1617			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-13571-9

Client Matrix: Water

Date Sampled: 03/15/2011 1143

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6680.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1617			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1617				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	134	X	70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	123	X	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-13571-10

Client Matrix: Water

Date Sampled: 03/15/2011 0845

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6681.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1638			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1638				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-13571-10

Client Matrix: Water

Date Sampled: 03/15/2011 0845

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6681.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1638			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1638				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	133	X	70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	119		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-13571-11

Client Matrix: Water

Date Sampled: 03/15/2011 1046

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6682.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1659			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	2.3	J	0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-13571-11

Client Matrix: Water

Date Sampled: 03/15/2011 1046

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6682.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1659			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	137	X	70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	120		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-13571-12

Client Matrix: Water

Date Sampled: 03/15/2011 1111

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6683.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1720			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1720				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-13571-12

Client Matrix: Water

Date Sampled: 03/15/2011 1111

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6683.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1720			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1720				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	135	X	70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	122	X	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-13571-13

Client Matrix: Water

Date Sampled: 03/15/2011 1014

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6684.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1741			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1741				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	0.54	J	0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-13571-13

Client Matrix: Water

Date Sampled: 03/15/2011 1014

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6684.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1741			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1741				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	132	X	70 - 127
Toluene-d8 (Surr)	92		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120
Dibromofluoromethane (Surr)	118		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-13571-14

Client Matrix: Water

Date Sampled: 03/15/2011 1044

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6685.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1802			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1802				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-13571-14

Client Matrix: Water

Date Sampled: 03/15/2011 1044

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6685.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1802			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1802				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	137	X	70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	121	X	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-13571-15

Client Matrix: Water

Date Sampled: 03/15/2011 0812

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6686.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1823			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1823				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.7	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-13571-15

Client Matrix: Water

Date Sampled: 03/15/2011 0812

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6686.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1823			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1823				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	150	X	70 - 127
Toluene-d8 (Surr)	107		80 - 125
4-Bromofluorobenzene (Surr)	109		78 - 120
Dibromofluoromethane (Surr)	132	X	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-13571-16

Client Matrix: Water

Date Sampled: 03/15/2011 0741

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6689.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1927			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1927				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-13571-16

Client Matrix: Water

Date Sampled: 03/15/2011 0741

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6689.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1927			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1927				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	135	X	70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	118		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13571-17TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6690.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1948			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1948				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.8	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	0.68	J	0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13571-17TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P6690.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1948			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1948				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	133	X	70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	118		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-01FB**

Lab Sample ID: 280-13571-1FB

Client Matrix: Water

Date Sampled: 03/15/2011 1153

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1407			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	ND		0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	286SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0746			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.31	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.039	J	0.020	5.5
Zinc	ND		2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-13571-2

Client Matrix: Water

Date Sampled: 03/15/2011 0925

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1410			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	57	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.4	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	1.7	J	1.3	50
Vanadium	1.4	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	287SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0749			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.076	J	0.040	1.0
Copper	5.4	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.035	J	0.020	5.5
Zinc	6.1	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-13571-3

Client Matrix: Water

Date Sampled: 03/15/2011 0945

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1430			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	130		0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	288SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0751			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.083	J	0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.21	J	0.040	1.0
Copper	0.96	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	7.6	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-13571-4

Client Matrix: Water

Date Sampled: 03/15/2011 1116

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1433			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	18	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	13		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	9.3	J	1.1	25
Silver	1.0	J	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	289AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0754			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.088	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-13571-5

Client Matrix: Water

Date Sampled: 03/15/2011 0843

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1435			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	61	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	1.6	J	1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	298SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0819			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.070	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.022	J	0.020	5.5
Zinc	7.6	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-13571-6

Client Matrix: Water

Date Sampled: 03/15/2011 0909

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1437			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	23	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	6.4	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	2.9	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	299SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0822			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	0.32	J	0.21	10
Cadmium	0.062	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	5.1	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-13571-7

Client Matrix: Water

Date Sampled: 03/15/2011 0813

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1440			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	4.3	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	1.7	J	1.3	50
Vanadium	6.2	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	300SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0825			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.068	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-13571-8

Client Matrix: Water

Date Sampled: 03/15/2011 1001

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1442			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	38	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.4	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	301SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0827			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.072	J	0.040	1.0
Copper	1.5	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	9.3	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-13571-9

Client Matrix: Water

Date Sampled: 03/15/2011 1143

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1444			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	6.2	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	0.87	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	5.4	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	302SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0830			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.073	J	0.040	1.0
Copper	2.4	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	7.1	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-13571-10

Client Matrix: Water

Date Sampled: 03/15/2011 0845

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1447			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	110		0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.5	J	0.66	10
Cobalt	1.5	J	1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	1.9	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	303SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0833			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.077	J	0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.020	J	0.020	5.5
Zinc	2.1	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-13571-11

Client Matrix: Water

Date Sampled: 03/15/2011 1046

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1459			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	13	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	3.0	J	1.3	50
Vanadium	9.6	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	307AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0844			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.29	J	0.040	1.0
Copper	3.7	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.025	J	0.020	5.5
Zinc	28		2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-13571-12

Client Matrix: Water

Date Sampled: 03/15/2011 1111

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-59721	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A3032811.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2011 1454			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	7.5	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	3.0	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	1.7	J	1.3	50
Vanadium	3.3	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	310SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0852			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.11	J	0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.11	J	0.040	1.0
Copper	2.2	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.025	J	0.020	5.5

Analysis Method:	6020A	Analysis Batch:	280-60762	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-60530	Lab File ID:	243AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	04/05/2011 0531			Final Weight/Volume:	50 mL
Prep Date:	04/04/2011 1500				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Zinc	14		2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-13571-13

Client Matrix: Water

Date Sampled: 03/15/2011 1014

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1503			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	64	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	2.1	J	1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	2.0	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	311SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0855			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.16	J	0.040	1.0
Copper	0.56	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	8.7	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-13571-14

Client Matrix: Water

Date Sampled: 03/15/2011 1044

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1506			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	24	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	5.8	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	9.4	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	312SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0858			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.045	J	0.040	1.0
Copper	3.8	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	4.4	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-13571-15

Client Matrix: Water

Date Sampled: 03/15/2011 0812

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1512			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	20	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.5	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	4.1	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	313SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0901			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.045	J	0.040	1.0
Copper	1.0	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	2.6	J	2.0	10

Client: Waste Management

Job Number: 280-13571-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-13571-16

Client Matrix: Water

Date Sampled: 03/15/2011 0741

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-58847	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1514			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	8.9	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.9	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	3.5	J	1.1	25
Silver	1.0	J	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-57885	Lab File ID:	314SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0904			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.050	J	0.040	1.0
Copper	1.5	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	4.5	J	2.0	10

Field Service / Mobile Lab

Client Sample ID: **3406-01FB**

Lab Sample ID: 280-13571-1FB

Client Matrix: Water

Date Sampled: 03/15/2011 1153

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.47		SU	1.0	Field Sampling	280-58583	03/15/2011 1153
Field Conductivity	2		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1153
Field Temperature	10.9		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1153
Field Turbidity	0.0		NTU	1.0	Field Sampling	280-58583	03/15/2011 1153
Field Dissolved Oxygen	6.1		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1153
Field EH/ORP	49.6		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1153

Field Service / Mobile Lab

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-13571-2

Client Matrix: Water

Date Sampled: 03/15/2011 0925

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	823.93		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0925
Depth to water	43.23		ft	1.0	Field Sampling	280-58583	03/15/2011 0925
Groundwater Elevation	780.68		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0925
Field pH	6.14		SU	1.0	Field Sampling	280-58583	03/15/2011 0925
Field Conductivity	59		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0925
Field Temperature	11.3		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0925
Field Turbidity	0.8		NTU	1.0	Field Sampling	280-58583	03/15/2011 0925
Field Dissolved Oxygen	4.3		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0925
Field EH/ORP	193.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0925

Field Service / Mobile Lab

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-13571-3

Client Matrix: Water

Date Sampled: 03/15/2011 0945

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	778.04		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0945
Depth to water	28.68		ft	1.0	Field Sampling	280-58583	03/15/2011 0945
Groundwater Elevation	749.36		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0945
Field pH	5.01		SU	1.0	Field Sampling	280-58583	03/15/2011 0945
Field Conductivity	125		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0945
Field Temperature	14.3		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0945
Field Turbidity	0.4		NTU	1.0	Field Sampling	280-58583	03/15/2011 0945
Field Dissolved Oxygen	1.3		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0945
Field EH/ORP	159.6		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0945

Field Service / Mobile Lab

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-13571-4

Client Matrix: Water

Date Sampled: 03/15/2011 1116

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	770.08		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1116
Depth to water	25.03		ft	1.0	Field Sampling	280-58583	03/15/2011 1116
Groundwater Elevation	745.05		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1116
Field pH	5.69		SU	1.0	Field Sampling	280-58583	03/15/2011 1116
Field Conductivity	117		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1116
Field Temperature	13.5		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1116
Field Turbidity	0.7		NTU	1.0	Field Sampling	280-58583	03/15/2011 1116
Field Dissolved Oxygen	1.8		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1116
Field EH/ORP	179.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1116

Field Service / Mobile Lab

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-13571-5

Client Matrix: Water

Date Sampled: 03/15/2011 0843

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	756.92		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0843
Depth to water	13.03		ft	1.0	Field Sampling	280-58583	03/15/2011 0843
Groundwater Elevation	743.89		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0843
Field pH	5.36		SU	1.0	Field Sampling	280-58583	03/15/2011 0843
Field Conductivity	89		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0843
Field Temperature	13.2		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0843
Field Turbidity	5.9		NTU	1.0	Field Sampling	280-58583	03/15/2011 0843
Field Dissolved Oxygen	0.9		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0843
Field EH/ORP	110.6		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0843

Field Service / Mobile Lab

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-13571-6

Client Matrix: Water

Date Sampled: 03/15/2011 0909

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	757.33		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0909
Depth to water	12.98		ft	1.0	Field Sampling	280-58583	03/15/2011 0909
Groundwater Elevation	744.35		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0909
Field pH	6.44		SU	1.0	Field Sampling	280-58583	03/15/2011 0909
Field Conductivity	95		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0909
Field Temperature	13.1		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0909
Field Turbidity	16.8		NTU	1.0	Field Sampling	280-58583	03/15/2011 0909
Field Dissolved Oxygen	1.4		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0909
Field EH/ORP	21.2		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0909

Field Service / Mobile Lab

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-13571-7

Client Matrix: Water

Date Sampled: 03/15/2011 0813

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	743.17		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0813
Depth to water	4.88		ft	1.0	Field Sampling	280-58583	03/15/2011 0813
Groundwater Elevation	738.29		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0813
Field pH	5.81		SU	1.0	Field Sampling	280-58583	03/15/2011 0813
Field Conductivity	287		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0813
Field Temperature	10.5		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0813
Field Turbidity	0.6		NTU	1.0	Field Sampling	280-58583	03/15/2011 0813
Field Dissolved Oxygen	0.4		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0813
Field EH/ORP	207.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0813

Field Service / Mobile Lab

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-13571-8

Client Matrix: Water

Date Sampled: 03/15/2011 1001

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	778.04		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1001
Depth to water	22.65		ft	1.0	Field Sampling	280-58583	03/15/2011 1001
Groundwater Elevation	755.39		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1001
Field pH	5.60		SU	1.0	Field Sampling	280-58583	03/15/2011 1001
Field Conductivity	30		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1001
Field Temperature	10.6		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1001
Field Turbidity	0.5		NTU	1.0	Field Sampling	280-58583	03/15/2011 1001
Field Dissolved Oxygen	1.6		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1001
Field EH/ORP	243.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1001

Field Service / Mobile Lab

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-13571-9

Client Matrix: Water

Date Sampled: 03/15/2011 1143

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	771.57		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1143
Depth to water	25.40		ft	1.0	Field Sampling	280-58583	03/15/2011 1143
Groundwater Elevation	746.17		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1143
Field pH	5.80		SU	1.0	Field Sampling	280-58583	03/15/2011 1143
Field Conductivity	151		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1143
Field Temperature	13.8		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1143
Field Turbidity	5.9		NTU	1.0	Field Sampling	280-58583	03/15/2011 1143
Field Dissolved Oxygen	2.5		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1143
Field EH/ORP	29.4		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1143

Field Service / Mobile Lab

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-13571-10

Client Matrix: Water

Date Sampled: 03/15/2011 0845

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	748.95		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0845
Depth to water	5.21		ft	1.0	Field Sampling	280-58583	03/15/2011 0845
Groundwater Elevation	743.74		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0845
Field pH	5.56		SU	1.0	Field Sampling	280-58583	03/15/2011 0845
Field Conductivity	120		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0845
Field Temperature	8.9		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0845
Field Turbidity	5.3		NTU	1.0	Field Sampling	280-58583	03/15/2011 0845
Field Dissolved Oxygen	1.4		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0845
Field EH/ORP	252.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0845

Field Service / Mobile Lab

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-13571-11

Client Matrix: Water

Date Sampled: 03/15/2011 1046

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	764.95		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1046
Depth to water	26.60		ft	1.0	Field Sampling	280-58583	03/15/2011 1046
Groundwater Elevation	738.35		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1046
Field pH	5.95		SU	1.0	Field Sampling	280-58583	03/15/2011 1046
Field Conductivity	246		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1046
Field Temperature	13.3		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1046
Field Turbidity	0.8		NTU	1.0	Field Sampling	280-58583	03/15/2011 1046
Field Dissolved Oxygen	1.7		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1046
Field EH/ORP	136.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1046

Field Service / Mobile Lab

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-13571-12

Client Matrix: Water

Date Sampled: 03/15/2011 1111

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	777.20		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1111
Depth to water	32.06		ft	1.0	Field Sampling	280-58583	03/15/2011 1111
Groundwater Elevation	745.14		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1111
Field pH	5.73		SU	1.0	Field Sampling	280-58583	03/15/2011 1111
Field Conductivity	115		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1111
Field Temperature	14.2		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1111
Field Turbidity	4.7		NTU	1.0	Field Sampling	280-58583	03/15/2011 1111
Field Dissolved Oxygen	3.5		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1111
Field EH/ORP	70.9		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1111

Field Service / Mobile Lab

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-13571-13

Client Matrix: Water

Date Sampled: 03/15/2011 1014

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	776.80		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1014
Depth to water	28.38		ft	1.0	Field Sampling	280-58583	03/15/2011 1014
Groundwater Elevation	748.42		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1014
Field pH	5.42		SU	1.0	Field Sampling	280-58583	03/15/2011 1014
Field Conductivity	165		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1014
Field Temperature	14.1		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1014
Field Turbidity	4.4		NTU	1.0	Field Sampling	280-58583	03/15/2011 1014
Field Dissolved Oxygen	1.2		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1014
Field EH/ORP	140.3		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1014

Field Service / Mobile Lab

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-13571-14

Client Matrix: Water

Date Sampled: 03/15/2011 1044

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	776.36		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1044
Depth to water	28.89		ft	1.0	Field Sampling	280-58583	03/15/2011 1044
Groundwater Elevation	747.47		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 1044
Field pH	6.06		SU	1.0	Field Sampling	280-58583	03/15/2011 1044
Field Conductivity	75		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 1044
Field Temperature	13.3		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 1044
Field Turbidity	15.8		NTU	1.0	Field Sampling	280-58583	03/15/2011 1044
Field Dissolved Oxygen	4.1		mg/L	1.0	Field Sampling	280-58583	03/15/2011 1044
Field EH/ORP	92.8		millivolts	1.0	Field Sampling	280-58583	03/15/2011 1044

Field Service / Mobile Lab

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-13571-15

Client Matrix: Water

Date Sampled: 03/15/2011 0812

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	751.48		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0812
Depth to water	6.57		ft	1.0	Field Sampling	280-58583	03/15/2011 0812
Groundwater Elevation	744.91		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0812
Field pH	5.98		SU	1.0	Field Sampling	280-58583	03/15/2011 0812
Field Conductivity	145		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0812
Field Temperature	12.6		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0812
Field Turbidity	9.1		NTU	1.0	Field Sampling	280-58583	03/15/2011 0812
Field Dissolved Oxygen	1.0		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0812
Field EH/ORP	42.0		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0812

Field Service / Mobile Lab

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-13571-16

Client Matrix: Water

Date Sampled: 03/15/2011 0741

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	751.48		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0741
Depth to water	5.90		ft	1.0	Field Sampling	280-58583	03/15/2011 0741
Groundwater Elevation	745.58		ft/msl	1.0	Field Sampling	280-58583	03/15/2011 0741
Field pH	6.52		SU	1.0	Field Sampling	280-58583	03/15/2011 0741
Field Conductivity	226		umhos/cm	1.0	Field Sampling	280-58583	03/15/2011 0741
Field Temperature	12.4		Degrees C	1.0	Field Sampling	280-58583	03/15/2011 0741
Field Turbidity	13.0		NTU	1.0	Field Sampling	280-58583	03/15/2011 0741
Field Dissolved Oxygen	0.9		mg/L	1.0	Field Sampling	280-58583	03/15/2011 0741
Field EH/ORP	63.6		millivolts	1.0	Field Sampling	280-58583	03/15/2011 0741

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-13571-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Waste Management

Job Number: 280-13571-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-59685					
LCS 280-59685/5	Lab Control Sample	T	Water	8260B	
MB 280-59685/6	Method Blank	T	Water	8260B	
280-13571-1FB	3406-01FB	T	Water	8260B	
280-13571-2	3406-MW01	T	Water	8260B	
280-13571-2MS	Matrix Spike	T	Water	8260B	
280-13571-2MSD	Matrix Spike Duplicate	T	Water	8260B	
280-13571-3	3406-MW02	T	Water	8260B	
280-13571-4	3406-MW03	T	Water	8260B	
280-13571-5	3406-MW04	T	Water	8260B	
280-13571-6	3406-MW04D	T	Water	8260B	
280-13571-7	3406-MW05	T	Water	8260B	
280-13571-8	3406-MW06	T	Water	8260B	
280-13571-9	3406-MW07	T	Water	8260B	
280-13571-10	3406-MW08	T	Water	8260B	
280-13571-11	3406-MW09R	T	Water	8260B	
280-13571-12	3406-MW10	T	Water	8260B	
280-13571-13	3406-MW11	T	Water	8260B	
280-13571-14	3406-MW11D	T	Water	8260B	
280-13571-15	3406-MW12	T	Water	8260B	
280-13571-15MS	Matrix Spike	T	Water	8260B	
280-13571-15MSD	Matrix Spike Duplicate	T	Water	8260B	
280-13571-16	3406-MW12D	T	Water	8260B	
280-13571-17TB	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13571-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-57882					
LCS 280-57882/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57882/1-A	Method Blank	R	Water	3005A	
280-13571-1FB	3406-01FB	R	Water	3005A	
280-13571-2	3406-MW01	R	Water	3005A	
280-13571-2MS	Matrix Spike	R	Water	3005A	
280-13571-2MSD	Matrix Spike Duplicate	R	Water	3005A	
280-13571-3	3406-MW02	R	Water	3005A	
280-13571-4	3406-MW03	R	Water	3005A	
280-13571-5	3406-MW04	R	Water	3005A	
280-13571-6	3406-MW04D	R	Water	3005A	
280-13571-7	3406-MW05	R	Water	3005A	
280-13571-8	3406-MW06	R	Water	3005A	
280-13571-9	3406-MW07	R	Water	3005A	
280-13571-10	3406-MW08	R	Water	3005A	
280-13571-11	3406-MW09R	R	Water	3005A	
280-13571-12	3406-MW10	R	Water	3005A	
280-13571-13	3406-MW11	R	Water	3005A	
280-13571-14	3406-MW11D	R	Water	3005A	
280-13571-14MS	Matrix Spike	R	Water	3005A	
280-13571-14MSD	Matrix Spike Duplicate	R	Water	3005A	
280-13571-15	3406-MW12	R	Water	3005A	
280-13571-16	3406-MW12D	R	Water	3005A	

Client: Waste Management

Job Number: 280-13571-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-57885					
LCS 280-57885/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57885/1-A	Method Blank	R	Water	3005A	
280-13571-1FB	3406-01FB	R	Water	3005A	
280-13571-2	3406-MW01	R	Water	3005A	
280-13571-3	3406-MW02	R	Water	3005A	
280-13571-4	3406-MW03	R	Water	3005A	
280-13571-4MS	Matrix Spike	R	Water	3005A	
280-13571-4MSD	Matrix Spike Duplicate	R	Water	3005A	
280-13571-5	3406-MW04	R	Water	3005A	
280-13571-6	3406-MW04D	R	Water	3005A	
280-13571-7	3406-MW05	R	Water	3005A	
280-13571-8	3406-MW06	R	Water	3005A	
280-13571-9	3406-MW07	R	Water	3005A	
280-13571-10	3406-MW08	R	Water	3005A	
280-13571-11	3406-MW09R	R	Water	3005A	
280-13571-11MS	Matrix Spike	R	Water	3005A	
280-13571-11MSD	Matrix Spike Duplicate	R	Water	3005A	
280-13571-12	3406-MW10	R	Water	3005A	
280-13571-13	3406-MW11	R	Water	3005A	
280-13571-14	3406-MW11D	R	Water	3005A	
280-13571-15	3406-MW12	R	Water	3005A	
280-13571-16	3406-MW12D	R	Water	3005A	
Analysis Batch:280-58847					
LCS 280-57882/2-A	Lab Control Sample	R	Water	6010C	280-57882
MB 280-57882/1-A	Method Blank	R	Water	6010C	280-57882
280-13571-1FB	3406-01FB	R	Water	6010C	280-57882
280-13571-2	3406-MW01	R	Water	6010C	280-57882
280-13571-2MS	Matrix Spike	R	Water	6010C	280-57882
280-13571-2MSD	Matrix Spike Duplicate	R	Water	6010C	280-57882
280-13571-3	3406-MW02	R	Water	6010C	280-57882
280-13571-4	3406-MW03	R	Water	6010C	280-57882
280-13571-5	3406-MW04	R	Water	6010C	280-57882
280-13571-6	3406-MW04D	R	Water	6010C	280-57882
280-13571-7	3406-MW05	R	Water	6010C	280-57882
280-13571-8	3406-MW06	R	Water	6010C	280-57882
280-13571-9	3406-MW07	R	Water	6010C	280-57882
280-13571-10	3406-MW08	R	Water	6010C	280-57882
280-13571-11	3406-MW09R	R	Water	6010C	280-57882
280-13571-13	3406-MW11	R	Water	6010C	280-57882
280-13571-14	3406-MW11D	R	Water	6010C	280-57882
280-13571-14MS	Matrix Spike	R	Water	6010C	280-57882
280-13571-14MSD	Matrix Spike Duplicate	R	Water	6010C	280-57882
280-13571-15	3406-MW12	R	Water	6010C	280-57882
280-13571-16	3406-MW12D	R	Water	6010C	280-57882

Client: Waste Management

Job Number: 280-13571-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-58926					
LCS 280-57885/2-A	Lab Control Sample	R	Water	6020A	280-57885
MB 280-57885/1-A	Method Blank	R	Water	6020A	280-57885
280-13571-1FB	3406-01FB	R	Water	6020A	280-57885
280-13571-2	3406-MW01	R	Water	6020A	280-57885
280-13571-3	3406-MW02	R	Water	6020A	280-57885
280-13571-4	3406-MW03	R	Water	6020A	280-57885
280-13571-4MS	Matrix Spike	R	Water	6020A	280-57885
280-13571-4MSD	Matrix Spike Duplicate	R	Water	6020A	280-57885
280-13571-5	3406-MW04	R	Water	6020A	280-57885
280-13571-6	3406-MW04D	R	Water	6020A	280-57885
280-13571-7	3406-MW05	R	Water	6020A	280-57885
280-13571-8	3406-MW06	R	Water	6020A	280-57885
280-13571-9	3406-MW07	R	Water	6020A	280-57885
280-13571-10	3406-MW08	R	Water	6020A	280-57885
280-13571-11	3406-MW09R	R	Water	6020A	280-57885
280-13571-11MS	Matrix Spike	R	Water	6020A	280-57885
280-13571-11MSD	Matrix Spike Duplicate	R	Water	6020A	280-57885
280-13571-12	3406-MW10	R	Water	6020A	280-57885
280-13571-13	3406-MW11	R	Water	6020A	280-57885
280-13571-14	3406-MW11D	R	Water	6020A	280-57885
280-13571-15	3406-MW12	R	Water	6020A	280-57885
280-13571-16	3406-MW12D	R	Water	6020A	280-57885
Analysis Batch:280-59721					
280-13571-12	3406-MW10	R	Water	6010C	280-57882
Prep Batch: 280-60530					
LCS 280-60530/2-A	Lab Control Sample	R	Water	3005A	
MB 280-60530/1-A	Method Blank	R	Water	3005A	
280-13571-12	3406-MW10	R	Water	3005A	
280-13571-12MS	Matrix Spike	R	Water	3005A	
280-13571-12MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:280-60762					
LCS 280-60530/2-A	Lab Control Sample	R	Water	6020A	280-60530
MB 280-60530/1-A	Method Blank	R	Water	6020A	280-60530
280-13571-12	3406-MW10	R	Water	6020A	280-60530
280-13571-12MS	Matrix Spike	R	Water	6020A	280-60530
280-13571-12MSD	Matrix Spike Duplicate	R	Water	6020A	280-60530

Report Basis

R = Total Recoverable

Client: Waste Management

Job Number: 280-13571-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Field Service / Mobile Lab					
Analysis Batch:280-58583					
280-13571-1FB	3406-01FB	T	Water	Field Sampling	
280-13571-2	3406-MW01	T	Water	Field Sampling	
280-13571-3	3406-MW02	T	Water	Field Sampling	
280-13571-4	3406-MW03	T	Water	Field Sampling	
280-13571-5	3406-MW04	T	Water	Field Sampling	
280-13571-6	3406-MW04D	T	Water	Field Sampling	
280-13571-7	3406-MW05	T	Water	Field Sampling	
280-13571-8	3406-MW06	T	Water	Field Sampling	
280-13571-9	3406-MW07	T	Water	Field Sampling	
280-13571-10	3406-MW08	T	Water	Field Sampling	
280-13571-11	3406-MW09R	T	Water	Field Sampling	
280-13571-12	3406-MW10	T	Water	Field Sampling	
280-13571-13	3406-MW11	T	Water	Field Sampling	
280-13571-14	3406-MW11D	T	Water	Field Sampling	
280-13571-15	3406-MW12	T	Water	Field Sampling	
280-13571-16	3406-MW12D	T	Water	Field Sampling	

Report Basis
T = Total

Client: Waste Management

Job Number: 280-13571-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
280-13571-1	3406-01FB	100	104	97	106
280-13571-2	3406-MW01	107	97	93	107
280-13571-3	3406-MW02	117	97	95	111
280-13571-4	3406-MW03	117	96	96	110
280-13571-5	3406-MW04	122	97	97	113
280-13571-6	3406-MW04D	122	96	96	112
280-13571-7	3406-MW05	130X	93	98	117
280-13571-8	3406-MW06	141X	102	106	126X
280-13571-9	3406-MW07	134X	98	97	123X
280-13571-10	3406-MW08	133X	96	96	119
280-13571-11	3406-MW09R	137X	96	97	120
280-13571-12	3406-MW10	135X	96	103	122X
280-13571-13	3406-MW11	132X	92	95	118
280-13571-14	3406-MW11D	137X	95	97	121X
280-13571-15	3406-MW12	150X	107	109	132X
280-13571-16	3406-MW12D	135X	98	103	118
280-13571-17	TRIP BLANK	133X	97	101	118
MB 280-59685/6		107	94	90	105
LCS 280-59685/5		104	99	93	108
280-13571-2 MS	3406-MW01 MS	118	101	96	116
280-13571-15 MS	3406-MW12 MS	136X	94	91	120
280-13571-2 MSD	3406-MW01 MSD	116	100	92	112
280-13571-15 MSD	3406-MW12 MSD	131X	95	92	119

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120
DBFM = Dibromofluoromethane (Surr)	77-120

Client: Waste Management

Job Number: 280-13571-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1151	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1151				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.95	J	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100

Client: Waste Management

Job Number: 280-13571-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1151	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1151				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Toluene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 127
Toluene-d8 (Surr)	94	80 - 125
4-Bromofluorobenzene (Surr)	90	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Lab Control Sample - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-59685/5	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6667.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1130	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1130				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.28	106	77 - 120	
Bromodichloromethane	5.00	5.42	108	78 - 120	
Carbon tetrachloride	5.00	5.99	120	80 - 120	
Chlorobenzene	5.00	5.05	101	78 - 120	
Chloroform	5.00	5.45	109	78 - 120	
1,1-Dichloroethane	5.00	5.24	105	77 - 120	
trans-1,2-Dichloroethene	5.00	5.18	104	80 - 120	
1,1-Dichloroethene	5.00	5.70	114	68 - 133	
1,2-Dichloropropane	5.00	4.80	96	76 - 120	
Ethylbenzene	5.00	4.95	99	78 - 120	
Methylene Chloride	5.00	5.12	102	60 - 134	
1,3-Dichlorobenzene	5.00	4.98	100	75 - 120	
Tetrachloroethene	5.00	5.35	107	77 - 120	
1,1,1-Trichloroethane	5.00	5.59	112	78 - 120	
Trichloroethene	5.00	5.16	103	78 - 122	
Toluene	5.00	5.22	104	73 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	93	78 - 120
Dibromofluoromethane (Surr)	108	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-2	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6672.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1328			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1328				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-2	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6673.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1349			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1349				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	118	113	77 - 120	4	20		
Bromodichloromethane	122	122	78 - 120	1	20	F	F
Carbon tetrachloride	138	132	80 - 120	4	21	F	F
Chlorobenzene	109	108	78 - 120	1	20		
Chloroform	124	120	78 - 120	4	20	F	
1,1-Dichloroethane	121	118	77 - 120	2	21	F	
trans-1,2-Dichloroethene	116	108	80 - 120	7	24		
1,1-Dichloroethene	123	123	68 - 133	0	20		
1,2-Dichloropropane	107	104	76 - 120	4	20		
Ethylbenzene	107	106	78 - 120	2	26		
Methylene Chloride	127	116	60 - 134	9	20		
1,3-Dichlorobenzene	109	106	75 - 120	3	20		
Tetrachloroethene	113	110	77 - 120	3	20		
1,1,1-Trichloroethane	125	122	78 - 120	2	20	F	F
Trichloroethene	111	109	78 - 122	2	20		
Toluene	117	111	73 - 120	5	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	116	70 - 127
Toluene-d8 (Surr)	101	100	80 - 125
4-Bromofluorobenzene (Surr)	96	92	78 - 120
Dibromofluoromethane (Surr)	116	112	77 - 120

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-15	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6687.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1844			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1844				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-15	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6688.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/26/2011 1905			Final Weight/Volume:	20 mL
Prep Date:	03/26/2011 1905				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	113	113	77 - 120	0	20		
Bromodichloromethane	132	131	78 - 120	0	20	F	F
Carbon tetrachloride	129	129	80 - 120	0	21	F	F
Chlorobenzene	102	103	78 - 120	1	20		
Chloroform	130	129	78 - 120	1	20	F	F
1,1-Dichloroethane	122	123	77 - 120	1	21	F	F
trans-1,2-Dichloroethene	108	104	80 - 120	4	24		
1,1-Dichloroethene	114	111	68 - 133	3	20		
1,2-Dichloropropane	106	111	76 - 120	4	20		
Ethylbenzene	94	97	78 - 120	3	26		
Methylene Chloride	123	123	60 - 134	0	20		
1,3-Dichlorobenzene	96	98	75 - 120	3	20		
Tetrachloroethene	95	99	77 - 120	4	20		
1,1,1-Trichloroethane	116	123	78 - 120	6	20		F
Trichloroethene	98	100	78 - 122	2	20		
Toluene	111	113	73 - 120	2	20		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	136	X	131	X	70 - 127
Toluene-d8 (Surr)	94		95		80 - 125
4-Bromofluorobenzene (Surr)	91		92		78 - 120
Dibromofluoromethane (Surr)	120		119		77 - 120

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-2	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/26/2011 1328		
Prep Date:	03/26/2011 1328		
Leach Date:	N/A		

MSD Lab Sample ID:	280-13571-2
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/26/2011 1349
Prep Date:	03/26/2011 1349
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	5.91		5.65	
Bromodichloromethane	ND	5.00	5.00	6.12	F	6.08	F
Carbon tetrachloride	ND	5.00	5.00	6.88	F	6.60	F
Chlorobenzene	ND	5.00	5.00	5.47		5.39	
Chloroform	ND	5.00	5.00	6.22	F	6.00	
1,1-Dichloroethane	ND	5.00	5.00	6.03	F	5.90	
trans-1,2-Dichloroethene	ND	5.00	5.00	5.80		5.41	
1,1-Dichloroethene	ND	5.00	5.00	6.15		6.17	
1,2-Dichloropropane	ND	5.00	5.00	5.37		5.18	
Ethylbenzene	ND	5.00	5.00	5.37		5.28	
Methylene Chloride	ND	5.00	5.00	6.35		5.81	
1,3-Dichlorobenzene	ND	5.00	5.00	5.44		5.30	
Tetrachloroethene	ND	5.00	5.00	5.65		5.48	
1,1,1-Trichloroethane	ND	5.00	5.00	6.23	F	6.12	F
Trichloroethene	ND	5.00	5.00	5.54		5.44	
Toluene	ND	5.00	5.00	5.84		5.56	

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-15	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	03/26/2011 1844		
Prep Date:	03/26/2011 1844		
Leach Date:	N/A		

MSD Lab Sample ID:	280-13571-15
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	03/26/2011 1905
Prep Date:	03/26/2011 1905
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	5.66		5.67	
Bromodichloromethane	ND	5.00	5.00	6.58	F	6.55	F
Carbon tetrachloride	ND	5.00	5.00	6.44	F	6.44	F
Chlorobenzene	ND	5.00	5.00	5.12		5.16	
Chloroform	ND	5.00	5.00	6.52	F	6.45	F
1,1-Dichloroethane	ND	5.00	5.00	6.09	F	6.15	F
trans-1,2-Dichloroethene	ND	5.00	5.00	5.40		5.19	
1,1-Dichloroethene	ND	5.00	5.00	5.70		5.53	
1,2-Dichloropropane	ND	5.00	5.00	5.32		5.55	
Ethylbenzene	ND	5.00	5.00	4.68		4.83	
Methylene Chloride	ND	5.00	5.00	6.13		6.13	
1,3-Dichlorobenzene	ND	5.00	5.00	4.78		4.92	
Tetrachloroethene	ND	5.00	5.00	4.75		4.93	
1,1,1-Trichloroethane	ND	5.00	5.00	5.79		6.17	F
Trichloroethene	ND	5.00	5.00	4.91		5.00	
Toluene	ND	5.00	5.00	5.53		5.63	

Client: Waste Management

Job Number: 280-13571-1

Method Blank - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-57882/1-A	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1403	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	ND		0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

Lab Control Sample - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-57882/2-A	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1405	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2070	104	90 - 112	
Beryllium	50.0	49.2	98	89 - 113	
Chromium	200	201	100	90 - 113	
Cobalt	500	494	99	89 - 111	
Lead	500	512	102	89 - 110	
Nickel	500	496	99	89 - 111	
Vanadium	500	517	103	90 - 111	
Silver	50.0	53.3	107	86 - 115	

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-2	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1415			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-2	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1417			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	103	102	85 - 120	1	25		
Beryllium	97	97	79 - 121	1	25		
Chromium	100	99	73 - 135	0	25		
Cobalt	98	97	82 - 119	0	25		
Lead	101	101	89 - 121	0	25		
Nickel	98	98	84 - 120	0	25		
Vanadium	102	102	85 - 120	0	25		
Silver	105	106	75 - 141	0	25		

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-14	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1508			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-14	Analysis Batch:	280-58847	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57882	Lab File ID:	25A1032211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/22/2011 1510			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	104	103	85 - 120	1	25		
Beryllium	98	97	79 - 121	1	25		
Chromium	100	99	73 - 135	1	25		
Cobalt	98	98	82 - 119	1	25		
Lead	102	102	89 - 121	1	25		
Nickel	99	98	84 - 120	1	25		
Vanadium	102	102	85 - 120	0	25		
Silver	106	105	75 - 141	0	25		

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-2	Units:	ug/L	MSD Lab Sample ID:	280-13571-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2011 1415			Analysis Date:	03/22/2011 1417
Prep Date:	03/21/2011 1400			Prep Date:	03/21/2011 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Barium	57	J	2000	2000	2110	2100
Beryllium	ND		50.0	50.0	48.7	48.3
Chromium	1.4	J	200	200	201	200
Cobalt	ND		500	500	488	486
Lead	ND		500	500	506	506
Nickel	1.7	J	500	500	492	490
Vanadium	1.4	J	500	500	512	510
Silver	ND		50.0	50.0	52.7	52.8

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57882

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-14	Units:	ug/L	MSD Lab Sample ID:	280-13571-14
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2011 1508			Analysis Date:	03/22/2011 1510
Prep Date:	03/21/2011 1400			Prep Date:	03/21/2011 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Barium	24	J	2000	2000	2110	2090
Beryllium	ND		50.0	50.0	49.2	48.7
Chromium	5.8	J	200	200	206	205
Cobalt	ND		500	500	492	489
Lead	ND		500	500	511	508
Nickel	ND		500	500	495	492
Vanadium	9.4	J	500	500	521	518
Silver	ND		50.0	50.0	52.8	52.6

Client: Waste Management

Job Number: 280-13571-1

Method Blank - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-57885/1-A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	284_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0740	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Lab Control Sample - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-57885/2-A	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	285_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0743	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	42.3	106	85 - 115	
Arsenic	40.0	42.5	106	85 - 117	
Cadmium	40.0	42.6	107	85 - 115	
Copper	40.0	42.0	105	85 - 119	
Selenium	40.0	43.0	108	77 - 122	
Thallium	40.0	43.0	107	85 - 118	
Zinc	40.0	43.8	109	83 - 122	

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-4	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	292_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0802			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-4	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	293_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0805			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	108	108	85 - 115	0	20		
Arsenic	106	105	85 - 115	1	20		
Cadmium	109	109	85 - 115	0	20		
Copper	104	104	85 - 119	1	20		
Selenium	111	105	77 - 122	6	20		
Thallium	105	104	85 - 118	1	20		
Zinc	111	111	83 - 122	1	20		

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-11	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	308_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0847			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-11	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57885	Lab File ID:	309_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/23/2011 0850			Final Weight/Volume:	50 mL
Prep Date:	03/21/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	109	108	85 - 115	1	20		
Arsenic	107	109	85 - 115	2	20		
Cadmium	106	106	85 - 115	0	20		
Copper	99	101	85 - 119	2	20		
Selenium	111	111	77 - 122	0	20		
Thallium	101	103	85 - 118	2	20		
Zinc	45	47	83 - 122	1	20	F	F

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-4	Units:	ug/L	MSD Lab Sample ID:	280-13571-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/23/2011 0802			Analysis Date:	03/23/2011 0805
Prep Date:	03/21/2011 1400			Prep Date:	03/21/2011 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	ND		40.0	40.0	43.4		43.3	
Arsenic	ND		40.0	40.0	42.6		42.1	
Cadmium	0.088	J	40.0	40.0	43.5		43.5	
Copper	ND		40.0	40.0	41.7		41.5	
Selenium	ND		40.0	40.0	44.6		42.2	
Thallium	ND		40.0	40.0	41.9		41.5	
Zinc	ND		40.0	40.0	44.6		44.4	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57885

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-11	Units:	ug/L	MSD Lab Sample ID:	280-13571-11
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/23/2011 0847			Analysis Date:	03/23/2011 0850
Prep Date:	03/21/2011 1400			Prep Date:	03/21/2011 1400
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	ND		40.0	40.0	43.5		43.1	
Arsenic	ND		40.0	40.0	43.0		43.8	
Cadmium	0.29	J	40.0	40.0	42.9		42.8	
Copper	3.7	J	40.0	40.0	43.3		44.2	
Selenium	ND		40.0	40.0	44.3		44.4	
Thallium	0.025	J	40.0	40.0	40.4		41.3	
Zinc	28		40.0	40.0	45.8	F	46.5	F

Client: Waste Management

Job Number: 280-13571-1

Method Blank - Batch: 280-60530

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-60530/1-A	Analysis Batch:	280-60762	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-60530	Lab File ID:	241_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/05/2011 0526	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/04/2011 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Zinc	ND		2.0	10

Lab Control Sample - Batch: 280-60530

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-60530/2-A	Analysis Batch:	280-60762	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-60530	Lab File ID:	242_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/05/2011 0529	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	04/04/2011 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Zinc	40.0	42.7	107	83 - 122	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-60530

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-12	Analysis Batch:	280-60762	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-60530	Lab File ID:	246_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/05/2011 0540			Final Weight/Volume:	50 mL
Prep Date:	04/04/2011 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-13571-12	Analysis Batch:	280-60762	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-60530	Lab File ID:	247_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/05/2011 0542			Final Weight/Volume:	50 mL
Prep Date:	04/04/2011 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Zinc	103	104	83 - 122	0	20		

Client: Waste Management

Job Number: 280-13571-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-60530

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13571-12	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	04/05/2011 0540		
Prep Date:	04/04/2011 1500		
Leach Date:	N/A		

MSD Lab Sample ID:	280-13571-12
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	04/05/2011 0542
Prep Date:	04/04/2011 1500
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Zinc	14	40.0	40.0	55.0	55.2

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: **280-13571-1** **Client ID:** **3406-01FB**

Sample Date/Time: 03/15/2011 11:53 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-1		280-59685		03/26/2011 12:21	1	TAL DEN	TDJ
A:8260B	280-13571-C-1		280-59685		03/26/2011 12:21	1	TAL DEN	TDJ
P:3005A	280-13571-A-1-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-1-A		280-58847	280-57882	03/22/2011 14:07	1	TAL DEN	JKH
P:3005A	280-13571-A-1-D		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-1-D		280-58926	280-57885	03/23/2011 07:46	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-1		280-58583		03/15/2011 11:53	1	TAL DEN	FS

Lab ID: **280-13571-2** **Client ID:** **3406-MW01**

Sample Date/Time: 03/15/2011 09:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-2		280-59685		03/26/2011 13:07	1	TAL DEN	TDJ
A:8260B	280-13571-D-2		280-59685		03/26/2011 13:07	1	TAL DEN	TDJ
P:3005A	280-13571-A-2-B		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-2-B		280-58847	280-57882	03/22/2011 14:10	1	TAL DEN	JKH
P:3005A	280-13571-A-2-E		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-2-E		280-58926	280-57885	03/23/2011 07:49	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-2		280-58583		03/15/2011 09:25	1	TAL DEN	FS

Lab ID: **280-13571-2 MS** **Client ID:** **3406-MW01**

Sample Date/Time: 03/15/2011 09:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-2 MS		280-59685		03/26/2011 13:28	1	TAL DEN	TDJ
A:8260B	280-13571-B-2 MS		280-59685		03/26/2011 13:28	1	TAL DEN	TDJ
P:3005A	280-13571-A-2-C MS		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-2-C MS		280-58847	280-57882	03/22/2011 14:15	1	TAL DEN	JKH

Lab ID: **280-13571-2 MSD** **Client ID:** **3406-MW01**

Sample Date/Time: 03/15/2011 09:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-2 MSD		280-59685		03/26/2011 13:49	1	TAL DEN	TDJ
A:8260B	280-13571-B-2 MSD		280-59685		03/26/2011 13:49	1	TAL DEN	TDJ
P:3005A	280-13571-A-2-D MSD		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-2-D MSD		280-58847	280-57882	03/22/2011 14:17	1	TAL DEN	JKH

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: 280-13571-3 **Client ID:** 3406-MW02

Sample Date/Time: 03/15/2011 09:45 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-3		280-59685		03/26/2011 14:10	1	TAL DEN	TDJ
A:8260B	280-13571-D-3		280-59685		03/26/2011 14:10	1	TAL DEN	TDJ
P:3005A	280-13571-A-3-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-3-A		280-58847	280-57882	03/22/2011 14:30	1	TAL DEN	JKH
P:3005A	280-13571-A-3-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-3-B		280-58926	280-57885	03/23/2011 07:51	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-3		280-58583		03/15/2011 09:45	1	TAL DEN	FS

Lab ID: 280-13571-4 **Client ID:** 3406-MW03

Sample Date/Time: 03/15/2011 11:16 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-4		280-59685		03/26/2011 14:31	1	TAL DEN	TDJ
A:8260B	280-13571-D-4		280-59685		03/26/2011 14:31	1	TAL DEN	TDJ
P:3005A	280-13571-A-4-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-4-A		280-58847	280-57882	03/22/2011 14:33	1	TAL DEN	JKH
P:3005A	280-13571-A-4-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-4-B		280-58926	280-57885	03/23/2011 07:54	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-4		280-58583		03/15/2011 11:16	1	TAL DEN	FS

Lab ID: 280-13571-4 MS **Client ID:** 3406-MW03

Sample Date/Time: 03/15/2011 11:16 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-4-C MS		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-4-C MS		280-58926	280-57885	03/23/2011 08:02	1	TAL DEN	TEL

Lab ID: 280-13571-4 MSD **Client ID:** 3406-MW03

Sample Date/Time: 03/15/2011 11:16 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-4-D MSD		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-4-D MSD		280-58926	280-57885	03/23/2011 08:05	1	TAL DEN	TEL

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: 280-13571-5 **Client ID:** 3406-MW04

Sample Date/Time: 03/15/2011 08:43 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-5		280-59685		03/26/2011 14:53	1	TAL DEN	TDJ
A:8260B	280-13571-B-5		280-59685		03/26/2011 14:53	1	TAL DEN	TDJ
P:3005A	280-13571-A-5-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-5-A		280-58847	280-57882	03/22/2011 14:35	1	TAL DEN	JKH
P:3005A	280-13571-A-5-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-5-B		280-58926	280-57885	03/23/2011 08:19	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-5		280-58583		03/15/2011 08:43	1	TAL DEN	FS

Lab ID: 280-13571-6 **Client ID:** 3406-MW04D

Sample Date/Time: 03/15/2011 09:09 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-6		280-59685		03/26/2011 15:14	1	TAL DEN	TDJ
A:8260B	280-13571-D-6		280-59685		03/26/2011 15:14	1	TAL DEN	TDJ
P:3005A	280-13571-A-6-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-6-A		280-58847	280-57882	03/22/2011 14:37	1	TAL DEN	JKH
P:3005A	280-13571-A-6-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-6-B		280-58926	280-57885	03/23/2011 08:22	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-6		280-58583		03/15/2011 09:09	1	TAL DEN	FS

Lab ID: 280-13571-7 **Client ID:** 3406-MW05

Sample Date/Time: 03/15/2011 08:13 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-7		280-59685		03/26/2011 15:35	1	TAL DEN	TDJ
A:8260B	280-13571-C-7		280-59685		03/26/2011 15:35	1	TAL DEN	TDJ
P:3005A	280-13571-A-7-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-7-A		280-58847	280-57882	03/22/2011 14:40	1	TAL DEN	JKH
P:3005A	280-13571-A-7-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-7-B		280-58926	280-57885	03/23/2011 08:25	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-7		280-58583		03/15/2011 08:13	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: 280-13571-8 **Client ID:** 3406-MW06

Sample Date/Time: 03/15/2011 10:01 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-8		280-59685		03/26/2011 15:56	1	TAL DEN	TDJ
A:8260B	280-13571-D-8		280-59685		03/26/2011 15:56	1	TAL DEN	TDJ
P:3005A	280-13571-A-8-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-8-A		280-58847	280-57882	03/22/2011 14:42	1	TAL DEN	JKH
P:3005A	280-13571-A-8-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-8-B		280-58926	280-57885	03/23/2011 08:27	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-8		280-58583		03/15/2011 10:01	1	TAL DEN	FS

Lab ID: 280-13571-9 **Client ID:** 3406-MW07

Sample Date/Time: 03/15/2011 11:43 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-9		280-59685		03/26/2011 16:17	1	TAL DEN	TDJ
A:8260B	280-13571-D-9		280-59685		03/26/2011 16:17	1	TAL DEN	TDJ
P:3005A	280-13571-A-9-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-9-A		280-58847	280-57882	03/22/2011 14:44	1	TAL DEN	JKH
P:3005A	280-13571-A-9-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-9-B		280-58926	280-57885	03/23/2011 08:30	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-9		280-58583		03/15/2011 11:43	1	TAL DEN	FS

Lab ID: 280-13571-10 **Client ID:** 3406-MW08

Sample Date/Time: 03/15/2011 08:45 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-10		280-59685		03/26/2011 16:38	1	TAL DEN	TDJ
A:8260B	280-13571-B-10		280-59685		03/26/2011 16:38	1	TAL DEN	TDJ
P:3005A	280-13571-A-10-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-10-A		280-58847	280-57882	03/22/2011 14:47	1	TAL DEN	JKH
P:3005A	280-13571-A-10-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-10-B		280-58926	280-57885	03/23/2011 08:33	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-10		280-58583		03/15/2011 08:45	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: **280-13571-11** **Client ID:** **3406-MW09R**

Sample Date/Time: 03/15/2011 10:46 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-11		280-59685		03/26/2011 16:59	1	TAL DEN	TDJ
A:8260B	280-13571-C-11		280-59685		03/26/2011 16:59	1	TAL DEN	TDJ
P:3005A	280-13571-A-11-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-11-A		280-58847	280-57882	03/22/2011 14:59	1	TAL DEN	JKH
P:3005A	280-13571-A-11-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-11-B		280-58926	280-57885	03/23/2011 08:44	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-11		280-58583		03/15/2011 10:46	1	TAL DEN	FS

Lab ID: **280-13571-11 MS** **Client ID:** **3406-MW09R**

Sample Date/Time: 03/15/2011 10:46 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-11-C MS		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-11-C MS		280-58926	280-57885	03/23/2011 08:47	1	TAL DEN	TEL

Lab ID: **280-13571-11 MSD** **Client ID:** **3406-MW09R**

Sample Date/Time: 03/15/2011 10:46 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-11-D MSD		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-11-D MSD		280-58926	280-57885	03/23/2011 08:50	1	TAL DEN	TEL

Lab ID: **280-13571-12** **Client ID:** **3406-MW10**

Sample Date/Time: 03/15/2011 11:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-12		280-59685		03/26/2011 17:20	1	TAL DEN	TDJ
A:8260B	280-13571-D-12		280-59685		03/26/2011 17:20	1	TAL DEN	TDJ
P:3005A	280-13571-A-12-A		280-59721	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-12-A		280-59721	280-57882	03/28/2011 14:54	1	TAL DEN	JKH
P:3005A	280-13571-A-12-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-12-B		280-58926	280-57885	03/23/2011 08:52	1	TAL DEN	TEL
P:3005A	280-13571-A-12-D		280-60762	280-60530	04/04/2011 15:00	1	TAL DEN	JM
A:6020A	280-13571-A-12-D		280-60762	280-60530	04/05/2011 05:31	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-12		280-58583		03/15/2011 11:11	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: **280-13571-12 MS** **Client ID:** **3406-MW10**

Sample Date/Time: 03/15/2011 11:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-12-E MS		280-60762	280-60530	04/04/2011 15:00	1	TAL DEN	JM
A:6020A	280-13571-A-12-E MS		280-60762	280-60530	04/05/2011 05:40	1	TAL DEN	TEL

Lab ID: **280-13571-12 MSD** **Client ID:** **3406-MW10**

Sample Date/Time: 03/15/2011 11:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-12-F MSD		280-60762	280-60530	04/04/2011 15:00	1	TAL DEN	JM
A:6020A	280-13571-A-12-F MSD		280-60762	280-60530	04/05/2011 05:42	1	TAL DEN	TEL

Lab ID: **280-13571-13** **Client ID:** **3406-MW11**

Sample Date/Time: 03/15/2011 10:14 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-13		280-59685		03/26/2011 17:41	1	TAL DEN	TDJ
A:8260B	280-13571-C-13		280-59685		03/26/2011 17:41	1	TAL DEN	TDJ
P:3005A	280-13571-A-13-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-13-A		280-58847	280-57882	03/22/2011 15:03	1	TAL DEN	JKH
P:3005A	280-13571-A-13-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-13-B		280-58926	280-57885	03/23/2011 08:55	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-13		280-58583		03/15/2011 10:14	1	TAL DEN	FS

Lab ID: **280-13571-14** **Client ID:** **3406-MW11D**

Sample Date/Time: 03/15/2011 10:44 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-14		280-59685		03/26/2011 18:02	1	TAL DEN	TDJ
A:8260B	280-13571-D-14		280-59685		03/26/2011 18:02	1	TAL DEN	TDJ
P:3005A	280-13571-A-14-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-14-A		280-58847	280-57882	03/22/2011 15:06	1	TAL DEN	JKH
P:3005A	280-13571-A-14-D		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-14-D		280-58926	280-57885	03/23/2011 08:58	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-14		280-58583		03/15/2011 10:44	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: 280-13571-14 MS **Client ID:** 3406-MW11D

Sample Date/Time: 03/15/2011 10:44 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-14-B MS		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-14-B MS		280-58847	280-57882	03/22/2011 15:08	1	TAL DEN	JKH

Lab ID: 280-13571-14 MSD **Client ID:** 3406-MW11D

Sample Date/Time: 03/15/2011 10:44 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13571-A-14-C MSD		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-14-C MSD		280-58847	280-57882	03/22/2011 15:10	1	TAL DEN	JKH

Lab ID: 280-13571-15 **Client ID:** 3406-MW12

Sample Date/Time: 03/15/2011 08:12 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-D-15		280-59685		03/26/2011 18:23	1	TAL DEN	TDJ
A:8260B	280-13571-D-15		280-59685		03/26/2011 18:23	1	TAL DEN	TDJ
P:3005A	280-13571-A-15-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-15-A		280-58847	280-57882	03/22/2011 15:12	1	TAL DEN	JKH
P:3005A	280-13571-A-15-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-15-B		280-58926	280-57885	03/23/2011 09:01	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-15		280-58583		03/15/2011 08:12	1	TAL DEN	FS

Lab ID: 280-13571-15 MS **Client ID:** 3406-MW12

Sample Date/Time: 03/15/2011 08:12 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ

Lab ID: 280-13571-15 MSD **Client ID:** 3406-MW12

Sample Date/Time: 03/15/2011 08:12 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab ID: **280-13571-16** **Client ID:** **3406-MW12D**

Sample Date/Time: 03/15/2011 07:41 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-16		280-59685		03/26/2011 19:27	1	TAL DEN	TDJ
A:8260B	280-13571-B-16		280-59685		03/26/2011 19:27	1	TAL DEN	TDJ
P:3005A	280-13571-A-16-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13571-A-16-A		280-58847	280-57882	03/22/2011 15:14	1	TAL DEN	JKH
P:3005A	280-13571-A-16-B		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13571-A-16-B		280-58926	280-57885	03/23/2011 09:04	1	TAL DEN	TEL
A:Field Sampling	280-13571-A-16		280-58583		03/15/2011 07:41	1	TAL DEN	FS

Lab ID: **280-13571-17** **Client ID:** **TRIP BLANK**

Sample Date/Time: 03/15/2011 00:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-17		280-59685		03/26/2011 19:48	1	TAL DEN	TDJ
A:8260B	280-13571-B-17		280-59685		03/26/2011 19:48	1	TAL DEN	TDJ

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
A:8260B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
P:3005A	MB 280-57882/1-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	MB 280-57882/1-A		280-58847	280-57882	03/22/2011 14:03	1	TAL DEN	JKH
P:3005A	MB 280-57885/1-A		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	MB 280-57885/1-A		280-58926	280-57885	03/23/2011 07:40	1	TAL DEN	TEL
P:3005A	MB 280-60530/1-A		280-60762	280-60530	04/04/2011 15:00	1	TAL DEN	JM
A:6020A	MB 280-60530/1-A		280-60762	280-60530	04/05/2011 05:26	1	TAL DEN	TEL

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
A:8260B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
P:3005A	LCS 280-57882/2-A		280-58847	280-57882	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	LCS 280-57882/2-A		280-58847	280-57882	03/22/2011 14:05	1	TAL DEN	JKH
P:3005A	LCS 280-57885/2-A		280-58926	280-57885	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	LCS 280-57885/2-A		280-58926	280-57885	03/23/2011 07:43	1	TAL DEN	TEL
P:3005A	LCS 280-60530/2-A		280-60762	280-60530	04/04/2011 15:00	1	TAL DEN	JM
A:6020A	LCS 280-60530/2-A		280-60762	280-60530	04/05/2011 05:29	1	TAL DEN	TEL

Client: Waste Management

Job Number: 280-13571-1

Laboratory Chronicle

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 1.6 (X) 2.3 SC 3/16

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
A Wm	AL LACSAMANA	3-15-11	137518
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 2

City	State	Zip Code	Site Contact	Lab Contact

Project Name and Location (State): 134 Piedmont

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 28003156 (SA GW Monitoring)

Analysis (Attach list if more space is needed): Metals (Tot), VOA

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Metals (Tot)	VOA
01FB	3-15	1153		X						1	3				1	3
MW01	3-15	0925		X						1	3				1	3
MW02	3-15	0945		X						1	3				1	3
MW03	3-15	1116		X						1	3				1	3
MW04	3-15	0843		X						1	3				1	3
MW04D	3-15	0909		X						1	3				1	3
MW05	3-15	0813		X						1	3				1	3
MW06	3-15	1001		X						1	3				1	3
MW07	3-15	1143		X						1	3				1	3
MW08	3-15	0845		X						1	3				1	3
MW09R	3-15	1046		X						1	3				1	3
MW10	3-15	1111		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	3-15-11	1606	1. Received By	3/16/11	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

Chain of Custody Record

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
Wm	AL LALSAMANA	3-15-11	137520
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 2 of 2

City	State	Zip Code	Site Contact	Lab Contact

Project Name and Location (State): 134 | PIEDMONT

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 28003156 SA 6W

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): METALS (4+)	VOA
MW11	3-15	1014		X						1	3				1	3
MW11D	3-15	1044		X						1	3				1	3
MW12	3-15	0812		X						1	3				1	3
MW12D	3-15	0941		X						1	3				1	3
TRIP	3-15	—		X							✓					✓

Special Instructions/ Conditions of Receipt

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

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ 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	3-15-11	1600	1. Received By	3/16/11	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

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: 0 1 F B (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:

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
0 3 1 5 1 1	—	—	—	—	—

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)
1153	NA	1st 7.47	1st 2	10.9	0.0	6.1	496	
		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 _____
0 3 1 5 1 1	7.47	2	10.9	0.0	6.1	496	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: cloudy 40°F Precipitation: Y or (N)

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

FIELD BLANK COMPLETED USING D.I. WATER PROVIDED BY TEST AMERICA

SAMPLE TIME: 1153

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

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:

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
031511	0905	0020	09	18	19

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)
823.93 (ft/msl)	43.25 (ft)	780.68 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
49.00 (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 gpm		pH (std)		Conductance (SC/EC) (µmhos/cm @ 25 °C)		Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0912	.09	1st	6.11	1st	71		10.6	17	4.1	185	
0915	.09	2nd	6.15	2nd	63		11.2	13	4.3	190	
0918	.09	3rd	6.13	3rd	61		11.4	10	4.3	196	
0921	.09	4th	6.15	4th	60		11.4	11	4.3	195	
0924	.09		6.14		59		11.3	08	4.3	193	43.6
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 _____
031511	6.14	59	11.3	08	4.3	193	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W/0-5 Outlook: CLOUDY, 45°F Precipitation: Y or (N)

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

CALC: 49.00 − 43.25 = 5.75 × 0.163 = 0.94 GAL.
FLOW: 166 × 4 = 664 ÷ 60 = 11.07 ML/GAL = 0.09 gpm.
VOL: 20.00 ÷ 11.07 = 1.81 GAL.
SAMPLE TIME: 0925

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
03/15/11	BEN RAMNEAWAN	Ben Ramneawan	PRO-TECH

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

TAL-8029WM (0108)

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:

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 15 11	09:27	1:18	11	15	1.3

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-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)
77804 (ft/msl)	28.68 (ft)	749.36 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
3550 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:38	0.08 1st	5.04 1st	1.26 1st	14.3	0.2	1.4	154.1	29.0
09:40	0.08 2nd	5.03 2nd	1.25 2nd	14.4	0.1	1.4	155.3	29.0
09:42	0.08 3rd	5.02 3rd	1.25 3rd	14.3	0.1	1.3	158.0	29.0
09:44	0.08 4th	5.01 4th	1.25 4th	14.3	0.4	1.3	159.6	28.9
:								
:								
:								
:								
:								
:								
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 (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
03 15 11	5.01	1.25	14.3	0.4	1.3	159.6	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: cloudy 40°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 35.50 - 28.68 = 6.82 X 0.163 = 1.12 gallon

FLOW: 182 X 4 = 728 ÷ 60 = 12.13 ∴ 0.082 gpm

ACTUAL: 18 ÷ 12.13 = 1.48 gallon

SAMPLE TIME: 0945

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW03 (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:

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
031511	1053	0023	21	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 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): 77008 (ft/msl)

Depth to Water (DTW) (from TOC): 2503 (ft)

Groundwater Elevation (site datum, from TOC): 74505 (ft/msl)

Total Well Depth (from TOC): 3800 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1100	08 1st	578 1st	118	136	12	19	132	
1103	08 2nd	573 2nd	118	137	12	19	169	
1106	08 3rd	571 3rd	117	136	11	18	171	
1109	08 4th	570 4th	118	137	09	19	177	
1112	08	570	118	136	07	19	178	
1115	08	569	117	135	07	18	179	268
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
031511	569	117	135	07	18	179	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 50°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 38.00 − 25.03 = 12.97 X 0.163 = 2.11 GAL.
FLOW: 177 X 4 = 708 ÷ 60 = 11.80 MIN/GAL = 0.08 gpm.
VOL: 23.00 ÷ 11.80 = 1.95 GAL.
SAMPLE TIME: 1116

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
03/15/11	BEN RAMJEAWAN	Ben Ramjeawan	PRO-TECH

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW4 (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:

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
031511	0822	21	23	29	13

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

Sampling Device: G

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)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)	Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
7569.2 (ft/msl)	13.03 (ft)	743.89 (ft/msl)	27.00 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0834	0.12 1st	5.41 1st	90	13.3	62	0.9	104.3	13.5
0836	0.12 2nd	5.41 2nd	90	13.3	57	0.9	105.2	13.5
0838	0.12 3rd	5.39 3rd	90	13.3	64	1.0	107.5	13.5
0840	0.12 4th	5.37 4th	89	13.3	60	0.9	109.1	13.5
0842	0.12	5.36	89	13.2	59	0.9	110.6	13.5
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
031511	5.36	89	13.2	59	0.9	110.6	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: Cloudy 40°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 27.00 - 13.03 = 13.97 x 0.163 = 2.28 gallon

FLOW: 108 x 4 = 432 ÷ 60 = 7.2 ∴ 0.12 gpm

ACTUAL: 21 ÷ 7.2 = 2.92 gallon

SAMPLE TIME: 0843

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW4D (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:

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
031511	0852	17	80	15	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-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 75733 (ft/msl)

Depth to Water (DTW) (from TOC): 1298 (ft)

Groundwater Elevation (site datum, from TOC): 74435 (ft/msl)

Total Well Depth (from TOC): 6200 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0902	0.085 1st	636 1st	94	131	154	14	142	136
0904	0.085 2nd	641 2nd	94	131	159	14	177	137
0906	0.085 3rd	642 3rd	94	131	163	14	190	137
0908	0.085 4th	644 4th	95	131	168	14	212	137
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
031511	644	95	131	168	14	212	

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: _____ Color: LT. TAN Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: cloudy 40°F Precipitation: Y or N

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

FIELD COMMENTS

CALC: 62.00 - 12.98 = 49.02 X 0.163 = 7.99 gallon

FLOW: 176 x 4 = 704 ÷ 60 = 11.73 @ 0.085 gpm

ACTUAL: ~~0909~~ 17 ÷ 11.73 = 1.45 gpm

SAMPLE TIME: 0909

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
3/15/11	DAN ARMOUR		PRO-TECH
/ /			

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW05 (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:

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
031511	0750	0023	26	21	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: 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)
743.17 (ft/msl)	4.88 (ft)	738.29 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
20.50 (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 (gpm)	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0800	.09 1st	6.06 1st	285	10.4	08	05	200	
0803	.09 2nd	5.96 2nd	285	10.8	09	05	207	
0806	.09 3rd	5.93 3rd	286	10.6	07	05	208	
0809	.09 4th	5.93 4th	287	10.6	06	05	210	
0812	.09	5.91	287	10.5	06	04	207	53
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
031511	591	287	105	06	04	207	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 48°F Precipitation: Y or (N)

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

FIELD COMMENTS

CAVE: 20.50 − 4.88 = 15.62 × 0.163 = 2.55 GAL.
FLOW: 16 × 4 = 64 ÷ 60 = 10.73 MIN/GAL = 0.09 gpm.
VOL: 23.00 ÷ 10.73 = 2.14 GAL.
SAMPLE TIME: 0813

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
03/15/11	BEN RAMSEAWAN	Ben Ramseawan	PRO-TECH

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW06 (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:

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
031511	0940	0021	21	19	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 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): 77804 (ft/msl)

Depth to Water (DTW) (from TOC): 2265 (ft)

Groundwater Elevation (site datum, from TOC): 75539 (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/Unit gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0948	.08 1st	535 1st	27	105	09	17	222	
0951	.08 2nd	560 2nd	27	106	07	17	243	
0954	.08 3rd	563 3rd	29	107	08	16	237	
0957	.08 4th	562 4th	29	108	08	16	239	
1000	.08	560	30	106	05	16	243	2360
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 _____
031511	560	30	106	05	16	243	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY 45°F Precipitation: Y or (N)

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

CALC: 35.50 − 22.65 = 12.85 X 0.163 = 2.09 GAL.
FLOW: 170 X 4 = 680 ÷ 60 = 11.33 MIN/GAL = 0.08 gpm.
VOL: 21.00 ÷ 11.33 = 1.85 GAL.
SAMPLE TIME: 1001

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
03/15/11	BEN RAMNEAWAN	Ben Ramneawan	PRO-TECH

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

TAL-8029WM (0108)

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:

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
031511	1126	17	10	14	14

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-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 7157 (ft/msl)

Depth to Water (DTW) (from TOC): 2540 (ft)

Groundwater Elevation (site datum, from TOC): 7461 7 (ft/msl)

Total Well Depth (from TOC): 3130 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1136	0.081 1st	584 1st	156	139	44	2.4	282	256
1138	0.081 2nd	582 2nd	153	138	61	2.5	284	256
1140	0.081 3rd	581 3rd	152	138	59	2.5	286	255
1142	0.081 4th	580 4th	151	138	59	2.5	294	255
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 ____
031511	580	151	138	59	2.5	294	

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: ____ Color: NONE Other: ____

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

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

FIELD COMMENTS

CALC: 31.30 - 25.40 = 5.90 X 0.163 = 0.96 gallon

FLOW: 186 x 4 = 744 ÷ 60 = 12.4 ∴ 0.081 gpm

ACTUAL: 17 ÷ 12.4 = 1.37 gallon

SAMPLE TIME: 1143

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW8 (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:

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
031511	0825	0020	22	21	07

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: (D) 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): 7489.5 (ft/msl)

Depth to Water (DTW) (from TOC): 5.21 (ft)

Groundwater Elevation (site datum, from TOC): 743.74 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0835	.10 1st	5.40 1st	120	9.0	79	1.5	194	
0838	.10 2nd	5.50 2nd	120	9.1	63	1.5	244	
0841	.10 3rd	5.54 3rd	120	9.0	60	1.5	248	
0844	.10 4th	5.56 4th	120	8.9	53	1.4	252	5.9
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 (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
031511	5.56	120	8.9	53	1.4	252	

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: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY 48°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 18.80 - 5.21 = 13.59 x 0.163 = 2.22 GAL.
FLOW: 143 x 4 = 5.72 ÷ 60 = 9.53 MIN/GAL = 0.10 gpm.
VOL: 20.00 ÷ 9.53 = 2.10 GAL.
SAMPLE TIME: 0845

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
03/15/11	BEN RAMLEGAWAN	Ben Ramlegawan	PRO-TECH

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

TAL-8029WM (0108)

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:

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
031511	1023	0023	27	21	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): 7649.5 (ft/msl)

Depth to Water (DTW) (from TOC): 26.60 (ft)

Groundwater Elevation (site datum, from TOC): 738.35 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1033	.09 1st	5.89 1st	248	12.9	0.9	1.8	151	
1036	.09 2nd	5.93 2nd	248	12.9	1.1	1.8	142	
1039	.09 3rd	5.94 3rd	247	13.0	1.0	1.8	141	
1042	.09 4th	5.94 4th	247	13.1	0.7	1.7	138	
1045	.09	5.95	246	13.3	0.8	1.7	136	27.5
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 ____
031511	5.95	246	13.3	0.8	1.7	136	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 45°F Precipitation: Y or N

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

CALC: 42.95 - 26.60 = 16.35 x 0.163 = 2.67 GAL.
FLOW: 166 x 4 = 664 ÷ 60 = 11.067 MIN/GAL = 0.09 gpm.
VOL: 23.00 ÷ 11.067 = 2.08 GAL.
SAMPLE TIME: 1046

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
03/15/11	BEN RAMJEAWAN	Ben Ramjeawan	PRO-TECH

DISTRIBUTION: WHITE/ORIGINAL - Field Data Sheet with Sample COC - Returned to Client, PINK - Field Copy

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW10 (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:

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
031511	1055	16	10	12	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-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 77720 (ft/msl)

Depth to Water (DTW) (from TOC): 3206 (ft)

Groundwater Elevation (site datum, from TOC): 74514 (ft/msl)

Total Well Depth (from TOC): 3800 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st	1104	0.076	5.74	115	14.1	46	3.6	651	3.22
2nd	1106	0.076	5.78	117	14.1	52	3.5	662	3.22
3rd	1108	0.076	5.75	115	14.2	42	3.6	692	3.22
4th	1110	0.076	5.73	115	14.2	47	3.5	709	3.22
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 ____
031511	5.73	115	14.2	47	3.5	709	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: cloudy 40°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 38.00 - 32.06 = 5.94 x 0.163 = 0.97 gallon

FLOW: 198 x 4 = 792 ÷ 60 = 13.2 ∴ 0.076 gpm

ACTUAL: 16 ÷ 13.2 = 1.21 gallon

SAMPLE TIME: 1111

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

DISTRIBUTION: WHITE/ORIGINAL - Stay with the Sample; YELLOW - Returned to Client; PINK - Field Copy

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: MW11 (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:

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
031511	0957	17	11	15	14

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Volx 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-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 77680 (ft/msl)

Depth to Water (DTW) (from TOC): 2838 (ft)

Groundwater Elevation (site datum, from TOC): 7482 (ft/msl)

Total Well Depth (from TOC): 3500 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1007	0.87 1st	5.43 1st	1165	14.2	80	1.3	1386	28.5
1009	0.87 2nd	5.42 2nd	1165	14.1	61	1.3	1393	28.5
1011	0.87 3rd	5.42 3rd	1165	14.1	43	1.2	1400	28.5
1013	0.87 4th	5.42 4th	1165	14.1	44	1.2	1403	28.5
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 ____
031511	542	165	141	44	12	1403	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: cloudy 40°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 35.00 - 28.38 = 6.62 x 0.163 = 1.08 gallon

FLOW: 172 x 4 = 688 ÷ 60 = 11.47 ∴ 0.087 gpm

ACTUAL: 17 ÷ 11.47 = 1.48 gallon

SAMPLE TIME: 1014

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
___/___/___			

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

TAL-8029WM (0108)

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:

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
031511	1023	21	105	20	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-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)
77636 (ft/msl)	2889 (ft)	74747 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
9350 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1034	0.94 1st	6.08 1st	75	13.4	164	4.0	881	309
1037	0.94 2nd	6.07 2nd	75	13.4	161	4.1	896	310
1040	0.94 3rd	6.10 3rd	75	13.4	153	4.1	910	310
1043	0.94 4th	6.06 4th	75	13.3	158	4.1	928	310
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 ____
031511	6.06	75	13.3	158	4.1	928	

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: Vry slt cloudy Odor: ____ Color: Vry lt tan Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: cloudy 40°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 93.50 - 28.89 = 64.61 x 0.163 = 10.53 gallon

FLOW: 160 x 4 = 640 ÷ 60 = 10.67 ∴ 0.094 gpm

ACTUAL: 21 ÷ 10.67 = 1.97 gallon

SAMPLE TIME: 1044

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

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:

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
031511	0750	22	19	17	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 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-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)
75148 (ft/msl)	657 (ft)	74491 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
1800 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0805	0.078 1st	598 1st	145	12.6	90	1.0	429	67
0807	0.078 2nd	599 2nd	144	12.6	88	1.0	425	67
0809	0.078 3rd	599 3rd	144	12.6	93	0.9	424	67
0811	0.078 4th	598 4th	145	12.6	91	1.0	420	67
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
031511	598	145	12.6	91	1.0	420	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: cloudy 40's Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 18.00 - 6.57 = 11.43 x 0.163 = 1.86 gallon

FLOW: 193 x 4 = 772 ÷ 60 = 12.87 ∴ 0.078 gpm

ACTUAL: 22 ÷ 12.87 = 1.71 gallon

SAMPLE TIME: 0812

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH

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

TAL-8029WM (0108)

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:

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
031511	0720	1:21	61	17	03

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-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 75148 (ft/msl)

Depth to Water (DTW) (from TOC): 590 (ft)

Groundwater Elevation (site datum, from TOC): 74558 (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 gpm	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0734	0.08 1st	6.52 1st	229	12.5	141	0.9	667	61
0736	0.08 2nd	6.50 2nd	227	12.5	129	0.9	654	61
0738	0.08 3rd	6.50 3rd	226	12.5	134	0.9	641	61
0740	0.08 4th	6.52 4th	226	12.4	130	0.9	636	61
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
031511	6.52	226	12.4	130	0.9	636	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 0-5 Outlook: cloudy 40°F Precipitation: Y or (N)

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

CALC: 43.30 - 5.90 = 37.40 x 0.163 = 6.10 gallon

FLOW: 181 x 4 = 724 ÷ 60 = 12.067 ∴ 0.083 gpm

ACTUAL: 21 ÷ 12.067 = 1.74 gallon

SAMPLE TIME: 0741

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-13571-1

Login Number: 13571

List Source: TestAmerica Denver

List Number: 1

Creator: Philipp, Nicholas A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 280-13547-1

Job Description: 134|Piedmont Landfill

For:
Waste Management
Southern Area
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339

Attention: Mr. Al Lacsamana

Approved for release.
Danielle M Harrington
Project Manager I
4/5/2011 10:57 AM

Designee for
Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
04/05/2011

cc: Mr. Van Burbach

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
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CASE NARRATIVE

Client: Waste Management

Project: 134|Piedmont Landfill

Report Number: 280-13547-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Sample Receiving

The samples were received on 03/16/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.9C.

Please note, the laboratory was unable to verify the pH of the preserved volume at the time of receipt due to the sample foaming excessively. Client was notified 3/16/2011.

Holding Times

The holding times were within established control limits.

Trip Blanks

Acetone, a common laboratory contaminant, was detected in the Trip Blank sample at a level below the requested reporting limits. As the associated sample amounts are ten times greater than the Trip Blank concentration, corrective action is deemed unnecessary.

Method Blanks

Acetone Method 8260B, Ammonia Method 350.1, Total and Bicarbonate Alkalinity Method 2320B, and Total Barium Method 6010C 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)

All the Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

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

Laboratory generated MS/MSD analysis data have been provided. The MS/MSD for method 410.4 exhibited spike recoveries outside the QC limits for Chemical Oxygen Demand. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

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

Organics

Sample 3406-T01 was analyzed at dilutions during Method 8260B analysis due to high analyte concentrations. The reporting limits have been adjusted accordingly.

Surrogate 1,2-Dichloroethane-d4 and Dibromofluoromethane for method 8260B was recovered above the QC limits in sample Trip Blank. This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations above the reporting limit

for constituents associated with this surrogate, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

The MS Refrigerator, which holds the water samples for GC/MS Volatiles, went outside of temperature control for a total of 4 hours and 50 minutes on 3/16/11. The temperature reached 6.8 degrees Celsius and the upper limit is 5.9 degrees Celsius. The refrigerator is currently in temperature control. The samples were within historical limits.

Metals

Sample 3406-T01 was analyzed at dilutions during Method 6020 analysis due to matrix interference. The reporting limits have been adjusted accordingly.

General Chemistry

Sample 3406-T01 was analyzed at a dilution for Sulfate due to matrix interference. The reporting limit has been adjusted accordingly.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13547-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13547-1	**3406-T01**					
Acetone		830	B	500	ug/L	8260B
Benzene		7.8	J	15	ug/L	8260B
2-Butanone (MEK)		430	J	500	ug/L	8260B
1,4-Dichlorobenzene		8.6	J	15	ug/L	8260B
Ethylbenzene		22	J	25	ug/L	8260B
4-Methyl-2-pentanone (MIBK)		9.4	J	500	ug/L	8260B
Toluene		3.2	J	25	ug/L	8260B
Xylenes, Total		27		20	ug/L	8260B
Field pH		7.52			SU	Field Sampling
Field Conductivity		11780			umhos/cm	Field Sampling
Field Temperature		8.6			Degrees C	Field Sampling
Field Turbidity		73.1			NTU	Field Sampling
Field Dissolved Oxygen		3.9			mg/L	Field Sampling
Field EH/ORP		-4.2			millivolts	Field Sampling
Chloride		1200		15	mg/L	300.0
Sulfate		18	J	25	mg/L	300.0
Ammonia		810	B	4.0	mg/L	350.1
Phosphorus, Total		12		1.0	mg/L	365.1
Chemical Oxygen Demand		990		500	mg/L	410.4
Nitrate as N		0.059	J	0.50	mg/L	Nitrate by calc
Total Alkalinity		3700	B	10	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		3700	B	10	mg/L	SM 2320B
Total Dissolved Solids		3800		40	mg/L	SM 2540C
Total Suspended Solids		20		4.0	mg/L	SM 2540D
Total Organic Carbon - Average		230		5.0	mg/L	SM 5310B
Biochemical Oxygen Demand		85		50	mg/L	SM5210B
Total Recoverable						
Barium		300	B	100	ug/L	6010C
Chromium		73		10	ug/L	6010C
Cobalt		40		10	ug/L	6010C
Calcium		51000		200	ug/L	6010C
Copper		80		15	ug/L	6010C
Nickel		250		50	ug/L	6010C
Iron		5500		100	ug/L	6010C
Zinc		69		20	ug/L	6010C
Vanadium		46		25	ug/L	6010C
Magnesium		50000		200	ug/L	6010C
Manganese		1100		10	ug/L	6010C
Selenium		12	J	15	ug/L	6010C
Potassium		360000		3000	ug/L	6010C
Sodium		1000000		50000	ug/L	6010C
Antimony		19		4.0	ug/L	6020A
Arsenic		48		10	ug/L	6020A
Beryllium		0.21	J	2.0	ug/L	6020A
Cadmium		0.42	J	2.0	ug/L	6020A
Thallium		0.078	J	2.0	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13547-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13547-2TB	**TRIP BLANK**					
Acetone		3.2	J B	100	ug/L	8260B

METHOD SUMMARY

Client: Waste Management

Job Number: 280-13547-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Anions, Ion Chromatography	TAL DEN	MCAWW 300.0	
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Phosphorus, Total	TAL DEN	EPA 365.1	
Phosphorus, Total	TAL DEN		MCAWW 365.2/365.3/365
COD	TAL DEN	MCAWW 410.4	
Nitrogen, Nitrate-Nitrite	TAL DEN	SM Nitrate by calc	
Alkalinity	TAL DEN	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
Solids, Total Suspended (TSS)	TAL DEN	SM SM 2540D	
Organic Carbon, Total (TOC)	TAL DEN	SM SM 5310B	
BOD, 5 Day	TAL DEN	SM SM5210B	
Field Sampling	TAL DEN	EPA Field Sampling	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Waste Management

Job Number: 280-13547-1

Method	Analyst	Analyst ID
SW846 8260B	Jackson, Todd D	TDJ
SW846 6010C	Bowen, Heidi E	HEB
SW846 6020A	Lill, Thomas E	TEL
SW846 7470A	Stoltz, Katie	KS
EPA Field Sampling	Field, Sampler	FS
MCAWW 300.0	Phan, Thu L	TLP
MCAWW 350.1	Stosak, Lara E	LES
EPA 365.1	Gilbert, Bryan M	BMG
MCAWW 410.4	Scott, Samantha J	SJS
SM Nitrate by calc	Sullivan, Roxanne	RS
SM SM 2320B	Scott, Samantha J	SJS
SM SM 2540C	Domnick, Brandon J	BJD
SM SM 2540D	Gheorghe, Philip A	PAG
SM SM 5310B	Yates, George E	GEY
SM SM5210B	Taylor, Juli M	JMT

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-13547-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-13547-1	3406-T01	Water	03/15/2011 1211	03/16/2011 0900
280-13547-2TB	TRIP BLANK	Water	03/15/2011 0000	03/16/2011 0900

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1

Client Matrix: Water

Date Sampled: 03/15/2011 1211

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59685	Instrument ID:	MSV_P
Preparation:	5030B		Lab File ID:	P6670.D
Dilution:	1.0		Initial Weight/Volume:	4 mL
Date Analyzed:	03/26/2011 1243		Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1243			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	830	B	9.5	500
Acrylonitrile	ND		7.0	1000
Benzene	7.8	J	0.80	15
Bromochloromethane	ND		0.50	15
Bromodichloromethane	ND		0.85	15
Bromoform	ND		0.95	15
Bromomethane	ND		1.0	50
2-Butanone (MEK)	430	J	10	500
Carbon disulfide	ND		2.2	500
Carbon tetrachloride	ND		0.95	28
Chlorobenzene	ND		0.85	15
Dibromochloromethane	ND		0.85	15
Chloroethane	ND		2.0	50
Chloroform	ND		0.80	25
Chloromethane	ND		1.5	28
1,2-Dibromo-3-Chloropropane	ND		2.4	65
Dibromomethane	ND		0.85	50
1,2-Dichlorobenzene	ND		0.75	50
1,4-Dichlorobenzene	8.6	J	0.80	15
trans-1,4-Dichloro-2-butene	ND		4.0	500
1,1-Dichloroethane	ND		1.1	25
1,2-Dichloroethane	ND		0.65	15
cis-1,2-Dichloroethene	ND		0.75	25
trans-1,2-Dichloroethene	ND		0.75	25
1,1-Dichloroethene	ND		1.2	25
1,2-Dichloropropane	ND		0.90	15
cis-1,3-Dichloropropene	ND		0.80	28
trans-1,3-Dichloropropene	ND		0.95	28
Ethylbenzene	22	J	0.80	25
2-Hexanone	ND		8.5	250
Iodomethane	ND		1.2	50
Methylene Chloride	ND		1.6	28
4-Methyl-2-pentanone (MIBK)	9.4	J	4.9	500
Styrene	ND		0.85	50
1,1,1,2-Tetrachloroethane	ND		1.0	25
1,1,2,2-Tetrachloroethane	ND		1.0	15
Tetrachloroethene	ND		1.0	15
Toluene	3.2	J	0.85	25
1,1,1-Trichloroethane	ND		0.80	25
1,1,2-Trichloroethane	ND		1.4	25
Trichloroethene	ND		0.80	15
Trichlorofluoromethane	ND		1.4	25
1,2,3-Trichloropropane	ND		1.6	40
Vinyl acetate	ND		4.7	250
Vinyl chloride	ND		0.50	28
Xylenes, Total	27		0.95	20

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1

Client Matrix: Water

Date Sampled: 03/15/2011 1211

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59685	Instrument ID:	MSV_P
Preparation:	5030B		Lab File ID:	P6670.D
Dilution:	1.0		Initial Weight/Volume:	4 mL
Date Analyzed:	03/26/2011 1243		Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1243			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.90	15

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13547-2TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59685	Instrument ID:	MSV_P
Preparation:	5030B		Lab File ID:	P6692.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 2030		Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 2030			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.2	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	3.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	3.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
2-Butanone (MEK)	ND		2.0	100
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	5.5
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
Chloromethane	ND		0.30	5.5
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	10
1,4-Dichlorobenzene	ND		0.16	3.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	3.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	3.0
cis-1,3-Dichloropropene	ND		0.16	5.5
trans-1,3-Dichloropropene	ND		0.19	5.5
Ethylbenzene	ND		0.16	5.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	5.5
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	10
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	3.0
Toluene	ND		0.17	5.0
1,1,1-Trichloroethane	ND		0.16	5.0
1,1,2-Trichloroethane	ND		0.27	5.0
Trichloroethene	ND		0.16	3.0
Trichlorofluoromethane	ND		0.29	5.0
1,2,3-Trichloropropane	ND		0.33	8.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	5.5
Xylenes, Total	ND		0.19	4.0

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13547-2TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59685	Instrument ID:	MSV_P
Preparation:	5030B		Lab File ID:	P6692.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 2030		Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 2030			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	136	X	70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	99		78 - 120
Dibromofluoromethane (Surr)	122	X	77 - 120

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1

Client Matrix: Water

Date Sampled: 03/15/2011 1211

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Method:	6010C	Analysis Batch: 280-58882		Instrument ID:	MT_026
Preparation:	3005A	Prep Batch: 280-57880		Lab File ID:	26b032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 1946			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	300	B	0.58	100
Chromium	73		0.66	10
Cobalt	40		1.2	10
Calcium	51000		34	200
Copper	80		1.4	15
Nickel	250		1.3	50
Iron	5500		22	100
Zinc	69		4.5	20
Vanadium	46		1.1	25
Magnesium	50000		11	200
Manganese	1100		0.25	10
Selenium	12	J	4.9	15
Silver	ND		0.93	10
Potassium	360000		240	3000

Method:	6010C	Analysis Batch: 280-59078		Instrument ID:	MT_026
Preparation:	3005A	Prep Batch: 280-57880		Lab File ID:	26a032311.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 1759			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Lead	ND		2.6	10

Method:	6010C	Analysis Batch: 280-59302		Instrument ID:	MT_026
Preparation:	3005A	Prep Batch: 280-57880		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	03/24/2011 1433			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Sodium	1000000		920	50000

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-58926		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-57879		Lab File ID:	247SMPL.D
Dilution:	2.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0558			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	19		0.14	4.0

Client: Waste Management

Job Number: 280-13547-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1

Client Matrix: Water

Date Sampled: 03/15/2011 1211

Date Received: 03/16/2011 0900

6020A Metals (ICP/MS)-Total Recoverable

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	48		0.42	10
Beryllium	0.21	J	0.16	2.0
Cadmium	0.42	J	0.080	2.0
Thallium	0.078	J	0.040	2.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 280-58195	Instrument ID:	MT_033
Preparation:	7470A	Prep Batch: 280-58040	Lab File ID:	110317AC.txt
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	03/17/2011 2119		Final Weight/Volume:	10 mL
Date Prepared:	03/17/2011 1150			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.027	0.20

General Chemistry

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1 Date Sampled: 03/15/2011 1211
Client Matrix: Water Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	1200		mg/L	13	15	50	300.0
Analysis Batch: 280-58764	Date Analyzed: 03/21/2011 1500						
Sulfate	18	J	mg/L	1.2	25	5.0	300.0
Analysis Batch: 280-58764	Date Analyzed: 03/21/2011 1444						
Ammonia	810	B	mg/L	2.2	4.0	100	350.1
Analysis Batch: 280-58814	Date Analyzed: 03/22/2011 1643						
Phosphorus, Total	12		mg/L	0.10	1.0	20	365.1
Analysis Batch: 280-58724	Date Analyzed: 03/22/2011 1111						
Prep Batch: 280-58470	Date Prepared: 03/21/2011 0909						
Chemical Oxygen Demand	990		mg/L	41	500	10	410.4
Analysis Batch: 280-58117	Date Analyzed: 03/17/2011 1348						
Nitrate as N	0.059	J	mg/L	0.019	0.50	1.0	Nitrate by calc
Analysis Batch: 280-59321	Date Analyzed: 03/25/2011 0852						
Total Alkalinity	3700	B	mg/L	2.1	10	1.0	SM 2320B
Analysis Batch: 280-58357	Date Analyzed: 03/18/2011 1654						
Bicarbonate Alkalinity as CaCO3	3700	B	mg/L	2.1	10	1.0	SM 2320B
Analysis Batch: 280-58357	Date Analyzed: 03/18/2011 1654						
Carbonate Alkalinity as CaCO3	ND		mg/L	2.1	10	1.0	SM 2320B
Analysis Batch: 280-58357	Date Analyzed: 03/18/2011 1654						
Total Dissolved Solids	3800		mg/L	19	40	1.0	SM 2540C
Analysis Batch: 280-58462	Date Analyzed: 03/21/2011 0832						
Total Suspended Solids	20		mg/L	1.1	4.0	1.0	SM 2540D
Analysis Batch: 280-57850	Date Analyzed: 03/16/2011 1221						
Total Organic Carbon - Average	230		mg/L	0.78	5.0	5.0	SM 5310B
Analysis Batch: 280-58415	Date Analyzed: 03/18/2011 1838						
Biochemical Oxygen Demand	85		mg/L	5.9	50	10	SM5210B
Analysis Batch: 280-57782	Date Analyzed: 03/16/2011 1227						

Field Service / Mobile Lab

Client Sample ID: **3406-T01**

Lab Sample ID: 280-13547-1

Client Matrix: Water

Date Sampled: 03/15/2011 1211

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.52		SU	1.0	Field Sampling	280-58577	03/15/2011 1211
Field Conductivity	11780		umhos/cm	1.0	Field Sampling	280-58577	03/15/2011 1211
Field Temperature	8.6		Degrees C	1.0	Field Sampling	280-58577	03/15/2011 1211
Field Turbidity	73.1		NTU	1.0	Field Sampling	280-58577	03/15/2011 1211
Field Dissolved Oxygen	3.9		mg/L	1.0	Field Sampling	280-58577	03/15/2011 1211
Field EH/ORP	-4.2		millivolts	1.0	Field Sampling	280-58577	03/15/2011 1211

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-13547-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Waste Management

Job Number: 280-13547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-59685					
LCS 280-59685/5	Lab Control Sample	T	Water	8260B	
MB 280-59685/6	Method Blank	T	Water	8260B	
280-13547-1	3406-T01	T	Water	8260B	
280-13547-2TB	TRIP BLANK	T	Water	8260B	
280-13571-B-2 MS	Matrix Spike	T	Water	8260B	
280-13571-B-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-13571-C-15 MS	Matrix Spike	T	Water	8260B	
280-13571-C-15 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-57879					
LCS 280-57879/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57879/1-A	Method Blank	R	Water	3005A	
280-13547-1	3406-T01	R	Water	3005A	
280-13554-C-1-B MS	Matrix Spike	R	Water	3005A	
280-13554-C-1-C MSD	Matrix Spike Duplicate	R	Water	3005A	
Prep Batch: 280-57880					
LCS 280-57880/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57880/1-A	Method Blank	R	Water	3005A	
280-13547-1	3406-T01	R	Water	3005A	
280-13552-C-1-B MS	Matrix Spike	R	Water	3005A	
280-13552-C-1-C MSD	Matrix Spike Duplicate	R	Water	3005A	
Prep Batch: 280-58040					
LCS 280-58040/2-A	Lab Control Sample	T	Water	7470A	
MB 280-58040/1-A	Method Blank	T	Water	7470A	
280-13547-1	3406-T01	T	Water	7470A	
280-13558-A-3-C MS	Matrix Spike	T	Water	7470A	
280-13558-A-3-D MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:280-58195					
LCS 280-58040/2-A	Lab Control Sample	T	Water	7470A	280-58040
MB 280-58040/1-A	Method Blank	T	Water	7470A	280-58040
280-13547-1	3406-T01	T	Water	7470A	280-58040
280-13558-A-3-C MS	Matrix Spike	T	Water	7470A	280-58040
280-13558-A-3-D MSD	Matrix Spike Duplicate	T	Water	7470A	280-58040
Analysis Batch:280-58882					
LCS 280-57880/2-A	Lab Control Sample	R	Water	6010C	280-57880
MB 280-57880/1-A	Method Blank	R	Water	6010C	280-57880
280-13547-1	3406-T01	R	Water	6010C	280-57880
280-13552-C-1-B MS	Matrix Spike	R	Water	6010C	280-57880
280-13552-C-1-C MSD	Matrix Spike Duplicate	R	Water	6010C	280-57880
Analysis Batch:280-58926					
LCS 280-57879/2-A	Lab Control Sample	R	Water	6020A	280-57879
MB 280-57879/1-A	Method Blank	R	Water	6020A	280-57879
280-13547-1	3406-T01	R	Water	6020A	280-57879
280-13554-C-1-B MS	Matrix Spike	R	Water	6020A	280-57879
280-13554-C-1-C MSD	Matrix Spike Duplicate	R	Water	6020A	280-57879

Client: Waste Management

Job Number: 280-13547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-59078					
LCS 280-57880/2-A	Lab Control Sample	R	Water	6010C	280-57880
MB 280-57880/1-A	Method Blank	R	Water	6010C	280-57880
280-13547-1	3406-T01	R	Water	6010C	280-57880
280-13552-C-1-B MS	Matrix Spike	R	Water	6010C	280-57880
280-13552-C-1-C MSD	Matrix Spike Duplicate	R	Water	6010C	280-57880
Analysis Batch:280-59302					
LCS 280-57880/2-A	Lab Control Sample	R	Water	6010C	280-57880
MB 280-57880/1-A	Method Blank	R	Water	6010C	280-57880
280-13547-1	3406-T01	R	Water	6010C	280-57880
280-13552-C-1-B MS	Matrix Spike	R	Water	6010C	280-57880
280-13552-C-1-C MSD	Matrix Spike Duplicate	R	Water	6010C	280-57880

Report Basis

R = Total Recoverable

T = Total

Field Service / Mobile Lab					
Analysis Batch:280-58577					
280-13547-1	3406-T01	T	Water	Field Sampling	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-57782					
LCS 280-57782/4	Lab Control Sample	T	Water	SM5210B	
LCSD 280-57782/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-57782/6	Method Blank	T	Water	SM5210B	
280-13547-1	3406-T01	T	Water	SM5210B	
280-13547-1DU	Duplicate	T	Water	SM5210B	
Analysis Batch:280-57850					
LCS 280-57850/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 280-57850/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 280-57850/1	Method Blank	T	Water	SM 2540D	
280-13393-A-2 DU	Duplicate	T	Water	SM 2540D	
280-13547-1	3406-T01	T	Water	SM 2540D	
Analysis Batch:280-58117					
LCS 280-58117/3	Lab Control Sample	T	Water	410.4	
LCSD 280-58117/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-58117/5	Method Blank	T	Water	410.4	
280-13547-1	3406-T01	T	Water	410.4	
280-13630-A-7 MS	Matrix Spike	T	Water	410.4	
280-13630-A-7 MSD	Matrix Spike Duplicate	T	Water	410.4	
Analysis Batch:280-58357					
LCS 280-58357/1	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-58357/2	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-58357/3	Method Blank	T	Water	SM 2320B	
280-13547-1	3406-T01	T	Water	SM 2320B	
280-13547-1DU	Duplicate	T	Water	SM 2320B	
Analysis Batch:280-58415					
LCS 280-58415/3	Lab Control Sample	T	Water	SM 5310B	
LCSD 280-58415/4	Lab Control Sample Duplicate	T	Water	SM 5310B	
MB 280-58415/5	Method Blank	T	Water	SM 5310B	
280-13506-A-2 MS	Matrix Spike	T	Water	SM 5310B	
280-13506-A-2 MSD	Matrix Spike Duplicate	T	Water	SM 5310B	
280-13547-1	3406-T01	T	Water	SM 5310B	
Analysis Batch:280-58462					
LCS 280-58462/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-58462/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-58462/1	Method Blank	T	Water	SM 2540C	
280-13545-A-5 DU	Duplicate	T	Water	SM 2540C	
280-13547-1	3406-T01	T	Water	SM 2540C	

Client: Waste Management

Job Number: 280-13547-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 280-58470					
LCS 280-58470/1-A	Lab Control Sample	T	Water	365.2/365.3/365	
LCSD 280-58470/2-A	Lab Control Sample Duplicate	T	Water	365.2/365.3/365	
MB 280-58470/3-A	Method Blank	T	Water	365.2/365.3/365	
280-13547-1	3406-T01	T	Water	365.2/365.3/365	
280-13577-B-1-B MS	Matrix Spike	T	Water	365.2/365.3/365	
280-13577-B-1-C MSD	Matrix Spike Duplicate	T	Water	365.2/365.3/365	
Analysis Batch:280-58724					
LCS 280-58470/1-A	Lab Control Sample	T	Water	365.1	280-58470
LCSD 280-58470/2-A	Lab Control Sample Duplicate	T	Water	365.1	280-58470
MB 280-58470/3-A	Method Blank	T	Water	365.1	280-58470
280-13547-1	3406-T01	T	Water	365.1	280-58470
280-13577-B-1-B MS	Matrix Spike	T	Water	365.1	280-58470
280-13577-B-1-C MSD	Matrix Spike Duplicate	T	Water	365.1	280-58470
Analysis Batch:280-58764					
LCS 280-58764/4	Lab Control Sample	T	Water	300.0	
LCSD 280-58764/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-58764/6	Method Blank	T	Water	300.0	
280-13545-A-6 DU	Duplicate	T	Water	300.0	
280-13545-A-6 MS	Matrix Spike	T	Water	300.0	
280-13545-A-6 MSD	Matrix Spike Duplicate	T	Water	300.0	
280-13547-1	3406-T01	T	Water	300.0	
Analysis Batch:280-58814					
LCS 280-58814/131	Lab Control Sample	T	Water	350.1	
LCSD 280-58814/132	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-58814/124	Method Blank	T	Water	350.1	
280-13547-1	3406-T01	T	Water	350.1	
280-13547-1MS	Matrix Spike	T	Water	350.1	
280-13547-1MSD	Matrix Spike Duplicate	T	Water	350.1	
Analysis Batch:280-59321					
MB 280-59321/1	Method Blank	T	Water	Nitrate by calc	
280-13547-1	3406-T01	T	Water	Nitrate by calc	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13547-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
280-13547-1	3406-T01	110	95	93	108
280-13547-2	TRIP BLANK	136X	99	99	122X
MB 280-59685/6		107	94	90	105
LCS 280-59685/5		104	99	93	108
280-13571-B-2 MS		118	101	96	116
280-13571-C-15 MS		136X	94	91	120
280-13571-B-2 MSD		116	100	92	112
280-13571-C-15 MSD		131X	95	92	119

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120
DBFM = Dibromofluoromethane (Surr)	77-120

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1151			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1151				

Analyte	Result	Qual	MDL	RL
Acetone	1.95	J	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	3.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	3.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
2-Butanone (MEK)	ND		2.0	100
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	5.5
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
Chloromethane	ND		0.30	5.5
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	10
1,4-Dichlorobenzene	ND		0.16	3.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	3.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	3.0
cis-1,3-Dichloropropene	ND		0.16	5.5
trans-1,3-Dichloropropene	ND		0.19	5.5
Ethylbenzene	ND		0.16	5.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	5.5
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	10
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	3.0
Toluene	ND		0.17	5.0
1,1,1-Trichloroethane	ND		0.16	5.0
1,1,2-Trichloroethane	ND		0.27	5.0
Trichloroethene	ND		0.16	3.0
Trichlorofluoromethane	ND		0.29	5.0
1,2,3-Trichloropropane	ND		0.33	8.0

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1151			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1151				

Analyte	Result	Qual	MDL	RL
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	5.5
Xylenes, Total	ND		0.19	4.0
1,2-Dibromoethane	ND		0.18	3.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 127
Toluene-d8 (Surr)	94	80 - 125
4-Bromofluorobenzene (Surr)	90	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Waste Management

Job Number: 280-13547-1

Lab Control Sample - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 280-59685/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/26/2011 1130
Date Prepared: 03/26/2011 1130

Analysis Batch: 280-59685
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV_P
Lab File ID: P6667.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.28	106	77 - 120	
Bromodichloromethane	5.00	5.42	108	78 - 120	
Carbon tetrachloride	5.00	5.99	120	80 - 120	
Chlorobenzene	5.00	5.05	101	78 - 120	
Chloroform	5.00	5.45	109	78 - 120	
1,3-Dichlorobenzene	5.00	4.98	100	75 - 120	
1,1-Dichloroethane	5.00	5.24	105	77 - 120	
trans-1,2-Dichloroethene	5.00	5.18	104	80 - 120	
1,1-Dichloroethene	5.00	5.70	114	68 - 133	
1,2-Dichloropropane	5.00	4.80	96	76 - 120	
Ethylbenzene	5.00	4.95	99	78 - 120	J
Methylene Chloride	5.00	5.12	102	60 - 134	J
Tetrachloroethene	5.00	5.35	107	77 - 120	
Toluene	5.00	5.22	104	73 - 120	
1,1,1-Trichloroethane	5.00	5.59	112	78 - 120	
Trichloroethene	5.00	5.16	103	78 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	93	78 - 120
Dibromofluoromethane (Surr)	108	77 - 120

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-B-2 MS	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6672.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1328			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1328				

MSD Lab Sample ID:	280-13571-B-2 MSD	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6673.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1349			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1349				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	118	113	77 - 120	4	20		
Bromodichloromethane	122	122	78 - 120	1	20	F	F
Carbon tetrachloride	138	132	80 - 120	4	21	F	F
Chlorobenzene	109	108	78 - 120	1	20		
Chloroform	124	120	78 - 120	4	20	F	
1,3-Dichlorobenzene	109	106	75 - 120	3	20		
1,1-Dichloroethane	121	118	77 - 120	2	21	F	
trans-1,2-Dichloroethene	116	108	80 - 120	7	24		
1,1-Dichloroethene	123	123	68 - 133	0	20		
1,2-Dichloropropane	107	104	76 - 120	4	20		
Ethylbenzene	107	106	78 - 120	2	26		
Methylene Chloride	127	116	60 - 134	9	20		
Tetrachloroethene	113	110	77 - 120	3	20		
Toluene	117	111	73 - 120	5	20		
1,1,1-Trichloroethane	125	122	78 - 120	2	20	F	F
Trichloroethene	111	109	78 - 122	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	116	70 - 127
Toluene-d8 (Surr)	101	100	80 - 125
4-Bromofluorobenzene (Surr)	96	92	78 - 120
Dibromofluoromethane (Surr)	116	112	77 - 120

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-C-15 MS	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6687.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1844			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1844				

MSD Lab Sample ID:	280-13571-C-15 MSD	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6688.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1905			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1905				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	113	113	77 - 120	0	20		
Bromodichloromethane	132	131	78 - 120	0	20	F	F
Carbon tetrachloride	129	129	80 - 120	0	21	F	F
Chlorobenzene	102	103	78 - 120	1	20		
Chloroform	130	129	78 - 120	1	20	F	F
1,3-Dichlorobenzene	96	98	75 - 120	3	20		
1,1-Dichloroethane	122	123	77 - 120	1	21	F	F
trans-1,2-Dichloroethene	108	104	80 - 120	4	24		
1,1-Dichloroethene	114	111	68 - 133	3	20		
1,2-Dichloropropane	106	111	76 - 120	4	20		
Ethylbenzene	94	97	78 - 120	3	26	J	J
Methylene Chloride	123	123	60 - 134	0	20		
Tetrachloroethene	95	99	77 - 120	4	20		
Toluene	111	113	73 - 120	2	20		
1,1,1-Trichloroethane	116	123	78 - 120	6	20		F
Trichloroethene	98	100	78 - 122	2	20		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	136	X	131	X	70 - 127
Toluene-d8 (Surr)	94		95		80 - 125
4-Bromofluorobenzene (Surr)	91		92		78 - 120
Dibromofluoromethane (Surr)	120		119		77 - 120

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-B-2 MS	Units: ug/L	MSD Lab Sample ID:	280-13571-B-2 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/26/2011 1328		Date Analyzed:	03/26/2011 1349
Date Prepared:	03/26/2011 1328		Date Prepared:	03/26/2011 1349

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	5.91		5.65	
Bromodichloromethane	ND	5.00	5.00	6.12	F	6.08	F
Carbon tetrachloride	ND	5.00	5.00	6.88	F	6.60	F
Chlorobenzene	ND	5.00	5.00	5.47		5.39	
Chloroform	ND	5.00	5.00	6.22	F	6.00	
1,3-Dichlorobenzene	ND	5.00	5.00	5.44		5.30	
1,1-Dichloroethane	ND	5.00	5.00	6.03	F	5.90	
trans-1,2-Dichloroethene	ND	5.00	5.00	5.80		5.41	
1,1-Dichloroethene	ND	5.00	5.00	6.15		6.17	
1,2-Dichloropropane	ND	5.00	5.00	5.37		5.18	
Ethylbenzene	ND	5.00	5.00	5.37		5.28	
Methylene Chloride	ND	5.00	5.00	6.35		5.81	
Tetrachloroethene	ND	5.00	5.00	5.65		5.48	
Toluene	ND	5.00	5.00	5.84		5.56	
1,1,1-Trichloroethane	ND	5.00	5.00	6.23	F	6.12	F
Trichloroethene	ND	5.00	5.00	5.54		5.44	

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-C-15 MS	Units: ug/L	MSD Lab Sample ID:	280-13571-C-15 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/26/2011 1844		Date Analyzed:	03/26/2011 1905
Date Prepared:	03/26/2011 1844		Date Prepared:	03/26/2011 1905

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	5.66		5.67	
Bromodichloromethane	ND	5.00	5.00	6.58	F	6.55	F
Carbon tetrachloride	ND	5.00	5.00	6.44	F	6.44	F
Chlorobenzene	ND	5.00	5.00	5.12		5.16	
Chloroform	ND	5.00	5.00	6.52	F	6.45	F
1,3-Dichlorobenzene	ND	5.00	5.00	4.78		4.92	
1,1-Dichloroethane	ND	5.00	5.00	6.09	F	6.15	F
trans-1,2-Dichloroethene	ND	5.00	5.00	5.40		5.19	
1,1-Dichloroethene	ND	5.00	5.00	5.70		5.53	
1,2-Dichloropropane	ND	5.00	5.00	5.32		5.55	
Ethylbenzene	ND	5.00	5.00	4.68	J	4.83	J
Methylene Chloride	ND	5.00	5.00	6.13		6.13	
Tetrachloroethene	ND	5.00	5.00	4.75		4.93	
Toluene	ND	5.00	5.00	5.53		5.63	
1,1,1-Trichloroethane	ND	5.00	5.00	5.79		6.17	F
Trichloroethene	ND	5.00	5.00	4.91		5.00	

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-57880/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1941
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-58882
Prep Batch: 280-57880
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26b032211.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	1.42	J	0.58	100
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Calcium	ND		34	200
Copper	ND		1.4	15
Nickel	ND		1.3	50
Iron	ND		22	100
Zinc	ND		4.5	20
Vanadium	ND		1.1	25
Magnesium	ND		11	200
Manganese	ND		0.25	10
Selenium	ND		4.9	15
Silver	ND		0.93	10
Potassium	ND		240	3000

Method Blank - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-57880/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 1755
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-59078
Prep Batch: 280-57880
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26a032311.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Lead	ND		2.6	10

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-57880/1-A	Analysis Batch:	280-59302	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	03/24/2011 1428			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Result	Qual	MDL	RL
Sodium	ND		92	5000

Client: Waste Management

Job Number: 280-13547-1

Lab Control Sample - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57880/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1943
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-58882
Prep Batch: 280-57880
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26b032211.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2110	105	90 - 112	
Chromium	200	200	100	90 - 113	
Cobalt	500	496	99	89 - 111	
Calcium	50000	48400	97	90 - 111	
Copper	250	254	102	86 - 112	
Nickel	500	499	100	89 - 111	
Iron	1000	914	91	89 - 115	
Zinc	500	512	102	85 - 111	
Vanadium	500	504	101	90 - 111	
Magnesium	50000	50900	102	90 - 113	
Manganese	500	500	100	90 - 110	
Selenium	2000	2190	110	85 - 112	
Silver	50.0	52.3	105	86 - 115	
Potassium	50000	56000	112	89 - 114	

Lab Control Sample - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57880/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 1757
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-59078
Prep Batch: 280-57880
Units: ug/L

Instrument ID: MT_026
Lab File ID: 26a032311.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	500	501	100	89 - 110	

Lab Control Sample - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57880/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/24/2011 1431
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-59302
Prep Batch: 280-57880
Units: ug/L

Instrument ID: MT_026
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Client: Waste Management

Job Number: 280-13547-1

Lab Control Sample - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-57880/2-A	Analysis Batch:	280-59302	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	03/24/2011 1431			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	50000	51200	102	90 - 115	

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13552-C-1-B MS	Analysis Batch:	280-58882	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	26b032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 1953			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

MSD Lab Sample ID:	280-13552-C-1-C MSD	Analysis Batch:	280-58882	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	26b032211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 1955			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	105	105	85 - 120	0	25		
Chromium	100	101	73 - 135	1	25		
Cobalt	99	100	82 - 119	1	25		
Calcium	96	97	48 - 153	1	25		
Copper	102	103	82 - 129	1	25		
Nickel	100	101	84 - 120	1	25		
Iron	90	91	52 - 155	1	25		
Zinc	101	102	60 - 137	1	25		
Vanadium	101	101	85 - 120	1	25		
Magnesium	101	102	62 - 146	1	25		
Manganese	99	100	79 - 121	1	25		
Selenium	108	110	71 - 140	2	25		
Silver	104	104	75 - 141	0	25		
Potassium	110	111	76 - 132	1	25		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13552-C-1-B MS	Analysis Batch:	280-59078	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	26a032311.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 1807			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

MSD Lab Sample ID:	280-13552-C-1-C MSD	Analysis Batch:	280-59078	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	26a032311.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 1809			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	99	100	89 - 121	0	25		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13552-C-1-B MS	Analysis Batch:	280-59302	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/24/2011 1440			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

MSD Lab Sample ID:	280-13552-C-1-C MSD	Analysis Batch:	280-59302	Instrument ID:	MT_026
Client Matrix:	Water	Prep Batch:	280-57880	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/24/2011 1442			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	101	103	70 - 203	1	40		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 280-13552-C-1-B MS
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1953
Date Prepared: 03/21/2011 1400

MSD Lab Sample ID: 280-13552-C-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1955
Date Prepared: 03/21/2011 1400

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Barium	36	J	2000	2000	2130	2140
Chromium	1.2	J	200	200	201	203
Cobalt	ND		500	500	495	501
Calcium	6500		50000	50000	54400	54800
Copper	ND		250	250	255	257
Nickel	ND		500	500	498	503
Iron	56	J	1000	1000	957	962
Zinc	12	J	500	500	516	521
Vanadium	ND		500	500	503	507
Magnesium	3700		50000	50000	54300	54700
Manganese	56		500	500	551	555
Selenium	ND		2000	2000	2160	2200
Silver	ND		50.0	50.0	52.0	52.1
Potassium	1900	J	50000	50000	56900	57400

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 280-13552-C-1-B MS
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 1807
Date Prepared: 03/21/2011 1400

MSD Lab Sample ID: 280-13552-C-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 1809
Date Prepared: 03/21/2011 1400

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Lead	ND	500	500	496	498

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57880

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13552-C-1-B MS	Units: ug/L	MSD Lab Sample ID:	280-13552-C-1-C MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/24/2011 1440		Date Analyzed:	03/24/2011 1442
Date Prepared:	03/21/2011 1400		Date Prepared:	03/21/2011 1400

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sodium	3400	J	50000	50000	54100	54800

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-57879

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-57879/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 0552
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-58926
Prep Batch: 280-57879
Units: ug/L

Instrument ID: MT_024
Lab File ID: 245_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.070	2.0
Arsenic	ND		0.21	5.0
Beryllium	ND		0.080	1.0
Cadmium	ND		0.040	1.0
Thallium	ND		0.020	1.0

Lab Control Sample - Batch: 280-57879

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57879/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 0555
Date Prepared: 03/21/2011 1400

Analysis Batch: 280-58926
Prep Batch: 280-57879
Units: ug/L

Instrument ID: MT_024
Lab File ID: 246_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	42.5	106	85 - 115	
Arsenic	40.0	42.7	107	85 - 117	
Beryllium	40.0	42.7	107	80 - 125	
Cadmium	40.0	42.0	105	85 - 115	
Thallium	40.0	43.2	108	85 - 118	

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57879

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13554-C-1-B MS	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57879	Lab File ID:	251_MS.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0609			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

MSD Lab Sample ID:	280-13554-C-1-C MSD	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57879	Lab File ID:	252_MSD.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0612			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 1400				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	108	109	85 - 115	1	20		
Arsenic	110	107	85 - 115	3	20		
Beryllium	107	108	80 - 125	0	20		
Cadmium	110	108	85 - 115	2	20		
Thallium	112	108	85 - 118	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57879

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13554-C-1-B MS	Units: ug/L		MSD Lab Sample ID:	280-13554-C-1-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/23/2011 0609			Date Analyzed:	03/23/2011 0612
Date Prepared:	03/21/2011 1400			Date Prepared:	03/21/2011 1400

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Antimony	ND		40.0	40.0	43.3	43.6
Arsenic	ND		40.0	40.0	44.1	42.9
Beryllium	0.094	J	40.0	40.0	43.1	43.2
Cadmium	ND		40.0	40.0	43.9	43.2
Thallium	ND		40.0	40.0	44.6	43.2

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58040

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 280-58040/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 2114
Date Prepared: 03/17/2011 1150

Analysis Batch: 280-58195
Prep Batch: 280-58040
Units: ug/L

Instrument ID: MT_033
Lab File ID: 110317AC.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.027	0.20

Lab Control Sample - Batch: 280-58040

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 280-58040/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 2116
Date Prepared: 03/17/2011 1150

Analysis Batch: 280-58195
Prep Batch: 280-58040
Units: ug/L

Instrument ID: MT_033
Lab File ID: 110317AC.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.87	97	88 - 111	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58040

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 280-13558-A-3-C MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 2132
Date Prepared: 03/17/2011 1150

Analysis Batch: 280-58195
Prep Batch: 280-58040

Instrument ID: MT_033
Lab File ID: 110317AC.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 280-13558-A-3-D MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 2135
Date Prepared: 03/17/2011 1150

Analysis Batch: 280-58195
Prep Batch: 280-58040

Instrument ID: MT_033
Lab File ID: 110317AC.txt
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	99	97	88 - 111	2	10		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58040

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-13558-A-3-C MS	Units: ug/L	MSD Lab Sample ID:	280-13558-A-3-D MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/17/2011 2132		Date Analyzed:	03/17/2011 2135
Date Prepared:	03/17/2011 1150		Date Prepared:	03/17/2011 1150

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	5.00	5.00	4.94	4.85

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58764

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 280-58764/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 1019
Date Prepared: N/A

Analysis Batch: 280-58764
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC7
Lab File ID: 115.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Chloride	ND		0.25	0.30
Sulfate	ND		0.23	5.0

Method Reporting Limit Check - Batch: 280-58764

Method: 300.0
Preparation: N/A

Lab Sample ID: MRL 280-58764/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0931
Date Prepared: N/A

Analysis Batch: 280-58764
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC7
Lab File ID: 112.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	1.00	0.977	98	50 - 150	J
Sulfate	1.00	0.939	94	50 - 150	J

Client: Waste Management

Job Number: 280-13547-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58764

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-58764/4	Analysis Batch:	280-58764	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1.0 mL
Date Analyzed:	03/21/2011 0947			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

LCSD Lab Sample ID:	LCSD 280-58764/5	Analysis Batch:	280-58764	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1.0 mL
Date Analyzed:	03/21/2011 1003			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	97	94	90 - 110	3	10		
Sulfate	95	91	90 - 110	4	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58764

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-58764/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-58764/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/21/2011 0947			Date Analyzed:	03/21/2011 1003
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	25.0	25.0	24.2	23.4
Sulfate	25.0	25.0	23.7	22.8

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58764

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-13545-A-6 MS	Analysis Batch:	280-58764	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	136.TXT
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	03/21/2011 1717			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	280-13545-A-6 MSD	Analysis Batch:	280-58764	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	137.TXT
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	03/21/2011 1732			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	107	106	80 - 120	1	20		
Sulfate	106	104	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58764

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-13545-A-6 MS	Units: mg/L		MSD Lab Sample ID:	280-13545-A-6 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/21/2011 1717			Date Analyzed:	03/21/2011 1732
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	14	25.0	25.0	40.3	40.0
Sulfate	14	25.0	25.0	40.0	39.7

Client: Waste Management

Job Number: 280-13547-1

Duplicate - Batch: 280-58764

Method: 300.0
Preparation: N/A

Lab Sample ID: 280-13545-A-6 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 1701
Date Prepared: N/A

Analysis Batch: 280-58764
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_IC7
Lab File ID: 135.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	14	14.1	4	15	
Sulfate	14	14.4	6	15	

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58814

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 280-58814/124
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1544
Date Prepared: N/A

Analysis Batch: 280-58814
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0322NXN.RST
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Ammonia	0.0229	J	0.022	0.040

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58814

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 280-58814/131
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1555
Date Prepared: N/A

Analysis Batch: 280-58814
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0322NXN.RST
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 280-58814/132
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1556
Date Prepared: N/A

Analysis Batch: 280-58814
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0322NXN.RST
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	103	90 - 110	1	10		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58814

Method: 350.1
Preparation: N/A

LCS Lab Sample ID: LCS 280-58814/131
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1555
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-58814/132
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1556
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.07	5.13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58814

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 280-13547-1
Client Matrix: Water
Dilution: 100
Date Analyzed: 03/22/2011 1644
Date Prepared: N/A

Analysis Batch: 280-58814
Prep Batch: N/A

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0322NXN.RST
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 280-13547-1
Client Matrix: Water
Dilution: 100
Date Analyzed: 03/22/2011 1646
Date Prepared: N/A

Analysis Batch: 280-58814
Prep Batch: N/A

Instrument ID: WC_Alp 2
Lab File ID: C:\FLOW_4\0322NXN.RST
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	97	94	90 - 110	1	20		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58814

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-13547-1	Units: mg/L	MSD Lab Sample ID:	280-13547-1
Client Matrix:	Water		Client Matrix:	Water
Dilution:	100		Dilution:	100
Date Analyzed:	03/22/2011 1644		Date Analyzed:	03/22/2011 1646
Date Prepared:	N/A		Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ammonia	810	400	400	1200	1190

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58470

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID: MB 280-58470/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analysis Batch: 280-58724
Prep Batch: 280-58470
Units: mg/L

Instrument ID: WC_Konelab
Lab File ID: 032211TPHOS4.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phosphorus, Total	ND		0.0050	0.050

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58470

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 280-58470/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analysis Batch: 280-58724
Prep Batch: 280-58470
Units: mg/L

Instrument ID: WC_Konelab
Lab File ID: 032211TPHOS4.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 280-58470/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analysis Batch: 280-58724
Prep Batch: 280-58470
Units: mg/L

Instrument ID: WC_Konelab
Lab File ID: 032211TPHOS4.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phosphorus, Total	104	104	90 - 110	0	10		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58470

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 280-58470/1-A
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

LCSD Lab Sample ID: LCSD 280-58470/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phosphorus, Total	0.500	0.500	0.519	0.519

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58470

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID: 280-13577-B-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analysis Batch: 280-58724
Prep Batch: 280-58470

Instrument ID: WC_Konelab
Lab File ID: 032211TPHOS4.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-13577-B-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 1111
Date Prepared: 03/21/2011 0909

Analysis Batch: 280-58724
Prep Batch: 280-58470

Instrument ID: WC_Konelab
Lab File ID: 032211TPHOS4.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phosphorus, Total	87	91	71 - 128	3	22		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58470

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID:	280-13577-B-1-B MS	Units: mg/L	MSD Lab Sample ID:	280-13577-B-1-C MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/22/2011 1111		Date Analyzed:	03/22/2011 1111
Date Prepared:	03/21/2011 0909		Date Prepared:	03/21/2011 0909

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phosphorus, Total	0.073	0.500	0.500	0.509	0.526

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58117

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 280-58117/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analysis Batch: 280-58117
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_HACH SPEC
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		4.1	50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58117

Method: 410.4
Preparation: N/A

LCS Lab Sample ID: LCS 280-58117/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analysis Batch: 280-58117
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_HACH SPEC
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 280-58117/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analysis Batch: 280-58117
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_HACH SPEC
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	108	109	90 - 110	1	11		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58117

Method: 410.4
Preparation: N/A

LCS Lab Sample ID: LCS 280-58117/3
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-58117/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	108	109

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58117

Method: 410.4
Preparation: N/A

MS Lab Sample ID: 280-13630-A-7 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analysis Batch: 280-58117
Prep Batch: N/A

Instrument ID: WC_HACH SPEC
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 280-13630-A-7 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2011 1348
Date Prepared: N/A

Analysis Batch: 280-58117
Prep Batch: N/A

Instrument ID: WC_HACH SPEC
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	79	79	90 - 110	0	11	F	F

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58117

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-13630-A-7 MS	Units: mg/L	MSD Lab Sample ID:	280-13630-A-7 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/17/2011 1348		Date Analyzed:	03/17/2011 1348
Date Prepared:	N/A		Date Prepared:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chemical Oxygen Demand	28	J	50.0	50.0	67.7	F	67.7	F

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-59321

Method: Nitrate by calc
Preparation: N/A

Lab Sample ID: MB 280-59321/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/25/2011 0852
Date Prepared: N/A

Analysis Batch: 280-59321
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.019	0.50

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58357

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 280-58357/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

Analysis Batch: 280-58357
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Total Alkalinity	2.50	J	1.1	5.0
Bicarbonate Alkalinity as CaCO3	2.50	J	1.1	5.0
Carbonate Alkalinity as CaCO3	ND		1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58357

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID: LCS 280-58357/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

Analysis Batch: 280-58357
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 280-58357/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

Analysis Batch: 280-58357
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Alkalinity	100	98	90 - 110	3	10		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58357

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID: LCS 280-58357/1
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-58357/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Alkalinity	200	200	200	195

Duplicate - Batch: 280-58357

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 280-13547-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1654
Date Prepared: N/A

Analysis Batch: 280-58357
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Alkalinity	3700	3760	1	10	

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58462

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 280-58462/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

Analysis Batch: 280-58462
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58462

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 280-58462/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

Analysis Batch: 280-58462
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 280-58462/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

Analysis Batch: 280-58462
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	92	89	86 - 110	3	20		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58462

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 280-58462/2
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-58462/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	461	447

Duplicate - Batch: 280-58462

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 280-13545-A-5 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 0832
Date Prepared: N/A

Analysis Batch: 280-58462
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	390	389	0.3	10	

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-57850

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 280-57850/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

Analysis Batch: 280-57850
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	ND		1.1	4.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-57850

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 280-57850/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

Analysis Batch: 280-57850
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 280-57850/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

Analysis Batch: 280-57850
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 250 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	87	90	86 - 114	3	20		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-57850

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 280-57850/2
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-57850/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	87.0	90.0

Duplicate - Batch: 280-57850

Method: SM 2540D
Preparation: N/A

Lab Sample ID: 280-13393-A-2 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 1221
Date Prepared: N/A

Analysis Batch: 280-57850
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Total Suspended Solids	2.0	J	2.40	18	10	J

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-58415

Method: SM 5310B
Preparation: N/A

Lab Sample ID: MB 280-58415/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1717
Date Prepared: N/A

Analysis Batch: 280-58415
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_SHI3
Lab File ID: 031811.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Average	ND		0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-58415

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID: LCS 280-58415/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1648
Date Prepared: N/A

Analysis Batch: 280-58415
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_SHI3
Lab File ID: 031811.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 280-58415/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1703
Date Prepared: N/A

Analysis Batch: 280-58415
Prep Batch: N/A
Units: mg/L

Instrument ID: WC_SHI3
Lab File ID: 031811.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Average	104	102	88 - 112	1	15		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-58415

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID: LCS 280-58415/3
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1648
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-58415/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/18/2011 1703
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Average	25.0	25.0	25.9	25.6

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58415

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID: 280-13506-A-2 MS
Analysis Batch: 280-58415
Instrument ID: WC_SHI3
Client Matrix: Water
Prep Batch: N/A
Lab File ID: 031811.txt
Dilution: 1.0
Initial Weight/Volume: 50 mL
Date Analyzed: 03/18/2011 1747
Final Weight/Volume: 50 mL
Date Prepared: N/A

MSD Lab Sample ID: 280-13506-A-2 MSD
Analysis Batch: 280-58415
Instrument ID: WC_SHI3
Client Matrix: Water
Prep Batch: N/A
Lab File ID: 031811.txt
Dilution: 1.0
Initial Weight/Volume: 50 mL
Date Analyzed: 03/18/2011 1801
Final Weight/Volume: 50 mL
Date Prepared: N/A

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Average	99	99	88 - 112	0	15		

Client: Waste Management

Job Number: 280-13547-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-58415

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID:	280-13506-A-2 MS	Units: mg/L	MSD Lab Sample ID:	280-13506-A-2 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/18/2011 1747		Date Analyzed:	03/18/2011 1801
Date Prepared:	N/A		Date Prepared:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Average	0.95	J	25.0	25.0	25.7	25.7

Client: Waste Management

Job Number: 280-13547-1

Method Blank - Batch: 280-57782

Method: SM5210B
Preparation: N/A

Lab Sample ID: MB 280-57782/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 0945
Date Prepared: N/A

Analysis Batch: 280-57782
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 300 mL

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-57782

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID: LCS 280-57782/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 0945
Date Prepared: N/A

Analysis Batch: 280-57782
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 300 mL

LCSD Lab Sample ID: LCSD 280-57782/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 0945
Date Prepared: N/A

Analysis Batch: 280-57782
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 300 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	99	99	85 - 115	1	20		

Client: Waste Management

Job Number: 280-13547-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-57782

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID: LCS 280-57782/4
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 0945
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 280-57782/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2011 0945
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	197	196

Duplicate - Batch: 280-57782

Method: SM5210B
Preparation: N/A

Lab Sample ID: 280-13547-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 03/16/2011 1227
Date Prepared: N/A

Analysis Batch: 280-57782
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 300 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Biochemical Oxygen Demand	85	83.6	1	20	

Client: Waste Management

Job Number: 280-13547-1

Laboratory Chronicle

Lab ID: **280-13547-1** **Client ID:** **3406-T01**

Sample Date/Time: 03/15/2011 12:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13547-K-1		280-59685		03/26/2011 12:43	1	TAL DEN	TDJ
A:8260B	280-13547-K-1		280-59685		03/26/2011 12:43	1	TAL DEN	TDJ
P:3005A	280-13547-F-1-B		280-58882	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13547-F-1-B		280-58882	280-57880	03/22/2011 19:46	1	TAL DEN	HEB
P:3005A	280-13547-F-1-B		280-59078	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13547-F-1-B		280-59078	280-57880	03/23/2011 17:59	1	TAL DEN	HEB
P:3005A	280-13547-F-1-B ^10		280-59302	280-57880	03/21/2011 14:00	10	TAL DEN	JM
A:6010C	280-13547-F-1-B ^10		280-59302	280-57880	03/24/2011 14:33	10	TAL DEN	HEB
P:3005A	280-13547-F-1-A		280-58926	280-57879	03/21/2011 14:00	2	TAL DEN	JM
A:6020A	280-13547-F-1-A		280-58926	280-57879	03/23/2011 05:58	2	TAL DEN	TEL
P:7470A	280-13547-F-1-C		280-58195	280-58040	03/17/2011 11:50	1	TAL DEN	KS
A:7470A	280-13547-F-1-C		280-58195	280-58040	03/17/2011 21:19	1	TAL DEN	KS
A:300.0	280-13547-A-1		280-58764		03/21/2011 14:44	5	TAL DEN	TLP
A:300.0	280-13547-A-1		280-58764		03/21/2011 15:00	50	TAL DEN	TLP
A:350.1	280-13547-D-1		280-58814		03/22/2011 16:43	100	TAL DEN	LES
P:365.2/365.3/365	280-13547-D-1-A		280-58724	280-58470	03/21/2011 09:09	20	TAL DEN	BMG
A:365.1	280-13547-D-1-A		280-58724	280-58470	03/22/2011 11:11	20	TAL DEN	BMG
A:410.4	280-13547-D-1		280-58117		03/17/2011 13:48	10	TAL DEN	SJS
A:Nitrate by calc	280-13547-A-1		280-59321		03/25/2011 08:52	1	TAL DEN	RS
A:SM 2320B	280-13547-C-1		280-58357		03/18/2011 16:54	1	TAL DEN	SJS
A:SM 2540C	280-13547-A-1		280-58462		03/21/2011 08:32	1	TAL DEN	BJD
A:SM 2540D	280-13547-C-1		280-57850		03/16/2011 12:21	1	TAL DEN	PAG
A:SM 5310B	280-13547-G-1		280-58415		03/18/2011 18:38	5	TAL DEN	GEY
A:SM5210B	280-13547-B-1		280-57782		03/16/2011 12:27	10	TAL DEN	JMT
A:Field Sampling	280-13547-A-1		280-58577		03/15/2011 12:11	1	TAL DEN	FS

Lab ID: **280-13547-1 MS** **Client ID:** **3406-T01**

Sample Date/Time: 03/15/2011 12:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-13547-D-1 MS		280-58814		03/22/2011 16:44	100	TAL DEN	LES

Lab ID: **280-13547-1 MSD** **Client ID:** **3406-T01**

Sample Date/Time: 03/15/2011 12:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-13547-D-1 MSD		280-58814		03/22/2011 16:46	100	TAL DEN	LES

Client: Waste Management

Job Number: 280-13547-1

Laboratory Chronicle

Lab ID: **280-13547-1 DU** **Client ID:** **3406-T01**

Sample Date/Time: 03/15/2011 12:11 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	280-13547-C-1 DU		280-58357		03/18/2011 16:54	1	TAL DEN	SJS
A:SM5210B	280-13547-B-1 DU		280-57782		03/16/2011 12:27	10	TAL DEN	JMT

Lab ID: **280-13547-2** **Client ID:** **TRIP BLANK**

Sample Date/Time: 03/15/2011 00:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13547-A-2		280-59685		03/26/2011 20:30	1	TAL DEN	TDJ
A:8260B	280-13547-A-2		280-59685		03/26/2011 20:30	1	TAL DEN	TDJ

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
A:8260B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
P:3005A	MB 280-57880/1-A		280-58882	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	MB 280-57880/1-A		280-58882	280-57880	03/22/2011 19:41	1	TAL DEN	HEB
P:3005A	MB 280-57880/1-A		280-59078	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	MB 280-57880/1-A		280-59078	280-57880	03/23/2011 17:55	1	TAL DEN	HEB
P:3005A	MB 280-57880/1-A		280-59302	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	MB 280-57880/1-A		280-59302	280-57880	03/24/2011 14:28	1	TAL DEN	HEB
P:3005A	MB 280-57879/1-A		280-58926	280-57879	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	MB 280-57879/1-A		280-58926	280-57879	03/23/2011 05:52	1	TAL DEN	TEL
P:7470A	MB 280-58040/1-A		280-58195	280-58040	03/17/2011 11:50	1	TAL DEN	KS
A:7470A	MB 280-58040/1-A		280-58195	280-58040	03/17/2011 21:14	1	TAL DEN	KS
A:300.0	MB 280-58764/6		280-58764		03/21/2011 10:19	1	TAL DEN	TLP
A:350.1	MB 280-58814/124		280-58814		03/22/2011 15:44	1	TAL DEN	LES
P:365.2/365.3/365	MB 280-58470/3-A		280-58724	280-58470	03/21/2011 09:09	1	TAL DEN	BMG
A:365.1	MB 280-58470/3-A		280-58724	280-58470	03/22/2011 11:11	1	TAL DEN	BMG
A:410.4	MB 280-58117/5		280-58117		03/17/2011 13:48	1	TAL DEN	SJS
A:Nitrate by calc	MB 280-59321/1		280-59321		03/25/2011 08:52	1	TAL DEN	RS
A:SM 2320B	MB 280-58357/3		280-58357		03/18/2011 16:54	1	TAL DEN	SJS
A:SM 2540C	MB 280-58462/1		280-58462		03/21/2011 08:32	1	TAL DEN	BJD
A:SM 2540D	MB 280-57850/1		280-57850		03/16/2011 12:21	1	TAL DEN	PAG
A:SM 5310B	MB 280-58415/5		280-58415		03/18/2011 17:17	1	TAL DEN	GEY
A:SM5210B	MB 280-57782/6		280-57782		03/16/2011 09:45	1	TAL DEN	JMT

Client: Waste Management

Job Number: 280-13547-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
A:8260B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
P:3005A	LCS 280-57880/2-A		280-58882	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	LCS 280-57880/2-A		280-58882	280-57880	03/22/2011 19:43	1	TAL DEN	HEB
P:3005A	LCS 280-57880/2-A		280-59078	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	LCS 280-57880/2-A		280-59078	280-57880	03/23/2011 17:57	1	TAL DEN	HEB
P:3005A	LCS 280-57880/2-A		280-59302	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	LCS 280-57880/2-A		280-59302	280-57880	03/24/2011 14:31	1	TAL DEN	HEB
P:3005A	LCS 280-57879/2-A		280-58926	280-57879	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	LCS 280-57879/2-A		280-58926	280-57879	03/23/2011 05:55	1	TAL DEN	TEL
P:7470A	LCS 280-58040/2-A		280-58195	280-58040	03/17/2011 11:50	1	TAL DEN	KS
A:7470A	LCS 280-58040/2-A		280-58195	280-58040	03/17/2011 21:16	1	TAL DEN	KS
A:300.0	LCS 280-58764/4		280-58764		03/21/2011 09:47	1	TAL DEN	TLP
A:350.1	LCS 280-58814/131		280-58814		03/22/2011 15:55	1	TAL DEN	LES
P:365.2/365.3/365	LCS 280-58470/1-A		280-58724	280-58470	03/21/2011 09:09	1	TAL DEN	BMG
A:365.1	LCS 280-58470/1-A		280-58724	280-58470	03/22/2011 11:11	1	TAL DEN	BMG
A:410.4	LCS 280-58117/3		280-58117		03/17/2011 13:48	1	TAL DEN	SJS
A:SM 2320B	LCS 280-58357/1		280-58357		03/18/2011 16:54	1	TAL DEN	SJS
A:SM 2540C	LCS 280-58462/2		280-58462		03/21/2011 08:32	1	TAL DEN	BJD
A:SM 2540D	LCS 280-57850/2		280-57850		03/16/2011 12:21	1	TAL DEN	PAG
A:SM 5310B	LCS 280-58415/3		280-58415		03/18/2011 16:48	1	TAL DEN	GEY
A:SM5210B	LCS 280-57782/4		280-57782		03/16/2011 09:45	1	TAL DEN	JMT

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	LCSD 280-58764/5		280-58764		03/21/2011 10:03	1	TAL DEN	TLP
A:350.1	LCSD 280-58814/132		280-58814		03/22/2011 15:56	1	TAL DEN	LES
P:365.2/365.3/365	LCSD 280-58470/2-A		280-58724	280-58470	03/21/2011 09:09	1	TAL DEN	BMG
A:365.1	LCSD 280-58470/2-A		280-58724	280-58470	03/22/2011 11:11	1	TAL DEN	BMG
A:410.4	LCSD 280-58117/4		280-58117		03/17/2011 13:48	1	TAL DEN	SJS
A:SM 2320B	LCSD 280-58357/2		280-58357		03/18/2011 16:54	1	TAL DEN	SJS
A:SM 2540C	LCSD 280-58462/3		280-58462		03/21/2011 08:32	1	TAL DEN	BJD
A:SM 2540D	LCSD 280-57850/3		280-57850		03/16/2011 12:21	1	TAL DEN	PAG
A:SM 5310B	LCSD 280-58415/4		280-58415		03/18/2011 17:03	1	TAL DEN	GEY
A:SM5210B	LCSD 280-57782/5		280-57782		03/16/2011 09:45	1	TAL DEN	JMT

Client: Waste Management

Job Number: 280-13547-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	MRL 280-58764/3		280-58764		03/21/2011 09:31	1	TAL DEN	TLP

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 03/15/2011 09:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-2 MS		280-59685		03/26/2011 13:28	1	TAL DEN	TDJ
A:8260B	280-13571-B-2 MS		280-59685		03/26/2011 13:28	1	TAL DEN	TDJ
P:5030B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ
P:3005A	280-13552-C-1-B MS		280-58882	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-B MS		280-58882	280-57880	03/22/2011 19:53	1	TAL DEN	HEB
P:3005A	280-13552-C-1-B MS		280-59078	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-B MS		280-59078	280-57880	03/23/2011 18:07	1	TAL DEN	HEB
P:3005A	280-13552-C-1-B MS		280-59302	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-B MS		280-59302	280-57880	03/24/2011 14:40	1	TAL DEN	HEB
P:3005A	280-13554-C-1-B MS		280-58926	280-57879	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13554-C-1-B MS		280-58926	280-57879	03/23/2011 06:09	1	TAL DEN	TEL
P:7470A	280-13558-A-3-C MS		280-58195	280-58040	03/17/2011 11:50	1	TAL DEN	KS
A:7470A	280-13558-A-3-C MS		280-58195	280-58040	03/17/2011 21:32	1	TAL DEN	KS
A:300.0	280-13545-A-6 MS		280-58764		03/21/2011 17:17	1	TAL DEN	TLP
P:365.2/365.3/365	280-13577-B-1-B MS		280-58724	280-58470	03/21/2011 09:09	1	TAL DEN	BMG
A:365.1	280-13577-B-1-B MS		280-58724	280-58470	03/22/2011 11:11	1	TAL DEN	BMG
A:410.4	280-13630-A-7 MS		280-58117		03/17/2011 13:48	1	TAL DEN	SJS
A:SM 5310B	280-13506-A-2 MS		280-58415		03/18/2011 17:47	1	TAL DEN	GEY

Client: Waste Management

Job Number: 280-13547-1

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 03/15/2011 09:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-B-2 MSD		280-59685		03/26/2011 13:49	1	TAL DEN	TDJ
A:8260B	280-13571-B-2 MSD		280-59685		03/26/2011 13:49	1	TAL DEN	TDJ
P:5030B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ
P:3005A	280-13552-C-1-C MSD		280-58882	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-C MSD		280-58882	280-57880	03/22/2011 19:55	1	TAL DEN	HEB
P:3005A	280-13552-C-1-C MSD		280-59078	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-C MSD		280-59078	280-57880	03/23/2011 18:09	1	TAL DEN	HEB
P:3005A	280-13552-C-1-C MSD		280-59302	280-57880	03/21/2011 14:00	1	TAL DEN	JM
A:6010C	280-13552-C-1-C MSD		280-59302	280-57880	03/24/2011 14:42	1	TAL DEN	HEB
P:3005A	280-13554-C-1-C MSD		280-58926	280-57879	03/21/2011 14:00	1	TAL DEN	JM
A:6020A	280-13554-C-1-C MSD		280-58926	280-57879	03/23/2011 06:12	1	TAL DEN	TEL
P:7470A	280-13558-A-3-D MSD		280-58195	280-58040	03/17/2011 11:50	1	TAL DEN	KS
A:7470A	280-13558-A-3-D MSD		280-58195	280-58040	03/17/2011 21:35	1	TAL DEN	KS
A:300.0	280-13545-A-6 MSD		280-58764		03/21/2011 17:32	1	TAL DEN	TLP
P:365.2/365.3/365	280-13577-B-1-C MSD		280-58724	280-58470	03/21/2011 09:09	1	TAL DEN	BMG
A:365.1	280-13577-B-1-C MSD		280-58724	280-58470	03/22/2011 11:11	1	TAL DEN	BMG
A:410.4	280-13630-A-7 MSD		280-58117		03/17/2011 13:48	1	TAL DEN	SJS
A:SM 5310B	280-13506-A-2 MSD		280-58415		03/18/2011 18:01	1	TAL DEN	GEY

Lab ID: **DU** **Client ID:** **N/A**

Sample Date/Time: 03/15/2011 12:20 Received Date/Time: 03/16/2011 10:07

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-13545-A-6 DU		280-58764		03/21/2011 17:01	1	TAL DEN	TLP
A:SM 2540C	280-13545-A-5 DU		280-58462		03/21/2011 08:32	1	TAL DEN	BJD
A:SM 2540D	280-13393-A-2 DU		280-57850		03/16/2011 12:21	1	TAL DEN	PAG

Lab References:

TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 1.9 IA! 3/16

Drinking Water? Yes ☐ No ☐

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
Wm	AL LACSAMANA	3-15-11	137523
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 1 of 1
City / State / Zip Code	**Site Contact**	**Lab Contact** Betty Sarg	
Project Name and Location (State) 1311 Redmont	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. 280031156 (SA Leachate)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Metals (Diss)	Cl/SO4	Alk	Alks	TDS	NO3 (353.2)	COD	BOD	TSS	VOA	TOC	T. Phos
TD1	3-15	1211		X			3	4	1	3			1	1	1	✓	1	✓	1	1	1	3	1	1
TRIP	3-15	–		X						✓												✓		

Special Instructions/ Conditions of Receipt

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

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ 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	3-15-11	1600	1. Received By	3/16/11	0800
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

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: T01 (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:

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 15 11					

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

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:

X-Other: Sample Port on leachate System

WELL DATA

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

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

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)
1st	1211	NA	752	11780	86	731	39	-42	
2nd									
3rd									
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 _____
03 15 11	752	11780	86	731	39	-042	

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: SLT. CLOUDY Odor: _____ Color: LT. BROWN Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: E 5-10 Outlook: cloudy 40°F Precipitation: Y or (N)

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

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
3/15/11	DAN ARMOUR	[signature]	PRO-TECH
/ /			

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

TAL-8029WM (0108)

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-13547-1

Login Number: 13547

List Source: TestAmerica Denver

List Number: 1

Creator: Harrington, Nicholas

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	False	Unable to pH preserved volumes due to excessive foaming
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

ANALYTICAL REPORT

Job Number: 280-13578-1

Job Description: 134|Piedmont Landfill

For:
Waste Management
Southern Area
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339

Attention: Mr. Al Lacsamana

Approved for release.
Betsy A Sara
Project Manager II
3/30/2011 11:28 AM

Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
03/30/2011

cc: Mr. Van Burbach

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE

Client: Waste Management

Project: 134|Piedmont Landfill

Report Number: 280-13578-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Sample Receiving

The samples were received on 03/16/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.9C.

Please note, sample S05 was labeled as S01. Client was notified 3/16/2011.

Holding Times

The holding times were within established control limits.

Trip Blanks

Acetone, a common laboratory contaminant, was detected in the Trip Blank sample at a level below the requested reporting limit but was not detected in any of the associated field samples. No corrective action was performed, as there is no impact on data usability.

Method Blanks

Acetone Method 8260B and Total Thallium Method 6020A 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)

All the Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

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

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

Organics

Surrogate Dibromofluoromethane and 1,2-Dichloroethane-d4 for method 8260B was recovered above the QC limits in sample Trip Blank. This is an indicator that data may be biased high. As the sample does not contain any detectable concentrations for constituents associated with this surrogate, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

The MS Refrigerator, which holds the water samples for GC/MS Volatiles, went outside of temperature control for a total of 4 hours and 50 minutes on 3/16/11. The temperature reached 6.8 degrees Celsius and the upper limit is 5.9 degrees Celsius. The refrigerator is currently in temperature control. The samples were within historical limits.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13578-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13578-1	**3406-S02**					
cis-1,2-Dichloroethene		0.19	J	5.0	ug/L	8260B
Field pH		6.51			SU	Field Sampling
Field Conductivity		76			umhos/cm	Field Sampling
Field Temperature		8.6			Degrees C	Field Sampling
Field Turbidity		4.1			NTU	Field Sampling
Field Dissolved Oxygen		7.9			mg/L	Field Sampling
Field EH/ORP		10.0			millivolts	Field Sampling
Total Recoverable						
Barium		37	J	100	ug/L	6010C
Chromium		1.8	J	10	ug/L	6010C
Cobalt		1.6	J	10	ug/L	6010C
Vanadium		3.4	J	25	ug/L	6010C
Antimony		0.090	J	6.0	ug/L	6020A
Copper		2.5	J	10	ug/L	6020A
Thallium		0.057	J B	5.5	ug/L	6020A
Zinc		4.6	J	10	ug/L	6020A
280-13578-2	**3406-S03**					
Field pH		6.70			SU	Field Sampling
Field Conductivity		79			umhos/cm	Field Sampling
Field Temperature		8.9			Degrees C	Field Sampling
Field Turbidity		2.0			NTU	Field Sampling
Field Dissolved Oxygen		8.1			mg/L	Field Sampling
Field EH/ORP		45.0			millivolts	Field Sampling
Total Recoverable						
Barium		34	J	100	ug/L	6010C
Chromium		0.71	J	10	ug/L	6010C
Antimony		0.12	J	6.0	ug/L	6020A
Copper		1.2	J	10	ug/L	6020A
Thallium		0.038	J B	5.5	ug/L	6020A
Zinc		4.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-13578-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-13578-3	**3406-S04**					
Field pH		6.64			SU	Field Sampling
Field Conductivity		59			umhos/cm	Field Sampling
Field Temperature		8.6			Degrees C	Field Sampling
Field Turbidity		3.3			NTU	Field Sampling
Field Dissolved Oxygen		8.3			mg/L	Field Sampling
Field EH/ORP		21.0			millivolts	Field Sampling
Total Recoverable						
Barium		31	J	100	ug/L	6010C
Chromium		1.1	J	10	ug/L	6010C
Vanadium		2.7	J	25	ug/L	6010C
Copper		1.3	J	10	ug/L	6020A
Thallium		0.021	J B	5.5	ug/L	6020A
Zinc		3.9	J	10	ug/L	6020A
280-13578-4	**3406-S05**					
Field pH		6.54			SU	Field Sampling
Field Conductivity		62			umhos/cm	Field Sampling
Field Temperature		8.4			Degrees C	Field Sampling
Field Turbidity		3.0			NTU	Field Sampling
Field Dissolved Oxygen		8.6			mg/L	Field Sampling
Field EH/ORP		25.0			millivolts	Field Sampling
Total Recoverable						
Barium		34	J	100	ug/L	6010C
Chromium		1.3	J	10	ug/L	6010C
Vanadium		3.7	J	25	ug/L	6010C
Copper		1.6	J	10	ug/L	6020A
Zinc		2.9	J	10	ug/L	6020A
280-13578-5TB	**TRIP BLANK**					
Acetone		3.9	J B	100	ug/L	8260B

METHOD SUMMARY

Client: Waste Management

Job Number: 280-13578-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals	TAL DEN		SW846 3005A
Field Sampling	TAL DEN	EPA Field Sampling	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Waste Management

Job Number: 280-13578-1

Method	Analyst	Analyst ID
SW846 8260B	Jackson, Todd D	TDJ
SW846 8260B	Waterland, Hayley E	HEW
SW846 6010C	Trudell, Lynn-Anne	LT
SW846 6020A	Lill, Thomas E	TEL
EPA Field Sampling	Field, Sampler	FS

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-13578-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-13578-1	3406-S02	Water	03/15/2011 1200	03/16/2011 0900
280-13578-2	3406-S03	Water	03/15/2011 1140	03/16/2011 0900
280-13578-3	3406-S04	Water	03/15/2011 1210	03/16/2011 0900
280-13578-4	3406-S05	Water	03/15/2011 1225	03/16/2011 0900
280-13578-5TB	TRIP BLANK	Water	03/15/2011 0000	03/16/2011 0900

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-13578-1

Client Matrix: Water

Date Sampled: 03/15/2011 1200

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2496.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2145		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2145			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	0.19	J	0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-13578-1

Client Matrix: Water

Date Sampled: 03/15/2011 1200

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2496.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2145		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2145			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	95		77 - 120

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-13578-2

Client Matrix: Water

Date Sampled: 03/15/2011 1140

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2499.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2242		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2242			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-13578-2

Client Matrix: Water

Date Sampled: 03/15/2011 1140

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2499.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2242		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2242			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	91		77 - 120

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-13578-3

Client Matrix: Water

Date Sampled: 03/15/2011 1210

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2500.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2302		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2302			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-13578-3

Client Matrix: Water

Date Sampled: 03/15/2011 1210

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2500.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2302		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2302			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-13578-4

Client Matrix: Water

Date Sampled: 03/15/2011 1225

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2501.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2321		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2321			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-13578-4

Client Matrix: Water

Date Sampled: 03/15/2011 1225

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59590	Instrument ID:	MSV_G2
Preparation:	5030B		Lab File ID:	G2_2501.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2321		Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2321			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	89		77 - 120

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13578-5TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 03/26/2011 2009

Date Prepared: 03/26/2011 2009

Analysis Batch: 280-59685

Instrument ID: MSV_P

Lab File ID: P6691.D

Initial Weight/Volume: 20 mL

Final Weight/Volume: 20 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.9	J B	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-13578-5TB

Client Matrix: Water

Date Sampled: 03/15/2011 0000

Date Received: 03/16/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-59685	Instrument ID:	MSV_P
Preparation:	5030B		Lab File ID:	P6691.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 2009		Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 2009			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	136	X	70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	121	X	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-13578-1

Client Matrix: Water

Date Sampled: 03/15/2011 1200

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Method:	6010C	Analysis Batch: 280-58703		Instrument ID:	MT_025
Preparation:	3005A	Prep Batch: 280-57983		Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0003			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.8	J	0.66	10
Cobalt	1.6	J	1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	3.4	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-58926		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-57982		Lab File ID:	233AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0519			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.090	J	0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	2.5	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.057	J B	0.020	5.5
Zinc	4.6	J	2.0	10

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-13578-2

Client Matrix: Water

Date Sampled: 03/15/2011 1140

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Method:	6010C	Analysis Batch: 280-58703		Instrument ID:	MT_025
Preparation:	3005A	Prep Batch: 280-57983		Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0005			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	34	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	0.71	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-58926		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-57982		Lab File ID:	238SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0533			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.12	J	0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	1.2	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.038	J B	0.020	5.5
Zinc	4.1	J	2.0	10

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-13578-3

Client Matrix: Water

Date Sampled: 03/15/2011 1210

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Method:	6010C	Analysis Batch: 280-58703		Instrument ID:	MT_025
Preparation:	3005A	Prep Batch: 280-57983		Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0007			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	31	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.1	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	2.7	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-58926		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-57982		Lab File ID:	239SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0536			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	1.3	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.021	J B	0.020	5.5
Zinc	3.9	J	2.0	10

Client: Waste Management

Job Number: 280-13578-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-13578-4

Client Matrix: Water

Date Sampled: 03/15/2011 1225

Date Received: 03/16/2011 0900

6010C Metals (ICP)-Total Recoverable

Method:	6010C	Analysis Batch: 280-58703		Instrument ID:	MT_025
Preparation:	3005A	Prep Batch: 280-57983		Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0010			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	34	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.3	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	3.7	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Method:	6020A	Analysis Batch: 280-58926		Instrument ID:	MT_024
Preparation:	3005A	Prep Batch: 280-57982		Lab File ID:	240SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0538			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	1.6	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	2.9	J	2.0	10

Field Service / Mobile Lab

Client Sample ID: **3406-S02**

Lab Sample ID: 280-13578-1

Client Matrix: Water

Date Sampled: 03/15/2011 1200

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.51		SU	1.0	Field Sampling	280-58595	03/15/2011 1200
Field Conductivity	76		umhos/cm	1.0	Field Sampling	280-58595	03/15/2011 1200
Field Temperature	8.6		Degrees C	1.0	Field Sampling	280-58595	03/15/2011 1200
Field Turbidity	4.1		NTU	1.0	Field Sampling	280-58595	03/15/2011 1200
Field Dissolved Oxygen	7.9		mg/L	1.0	Field Sampling	280-58595	03/15/2011 1200
Field EH/ORP	10.0		millivolts	1.0	Field Sampling	280-58595	03/15/2011 1200

Field Service / Mobile Lab

Client Sample ID: **3406-S03**

Lab Sample ID: 280-13578-2

Client Matrix: Water

Date Sampled: 03/15/2011 1140

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.70		SU	1.0	Field Sampling	280-58595	03/15/2011 1140
Field Conductivity	79		umhos/cm	1.0	Field Sampling	280-58595	03/15/2011 1140
Field Temperature	8.9		Degrees C	1.0	Field Sampling	280-58595	03/15/2011 1140
Field Turbidity	2.0		NTU	1.0	Field Sampling	280-58595	03/15/2011 1140
Field Dissolved Oxygen	8.1		mg/L	1.0	Field Sampling	280-58595	03/15/2011 1140
Field EH/ORP	45.0		millivolts	1.0	Field Sampling	280-58595	03/15/2011 1140

Field Service / Mobile Lab

Client Sample ID: **3406-S04**

Lab Sample ID: 280-13578-3

Client Matrix: Water

Date Sampled: 03/15/2011 1210

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.64		SU	1.0	Field Sampling	280-58595	03/15/2011 1210
Field Conductivity	59		umhos/cm	1.0	Field Sampling	280-58595	03/15/2011 1210
Field Temperature	8.6		Degrees C	1.0	Field Sampling	280-58595	03/15/2011 1210
Field Turbidity	3.3		NTU	1.0	Field Sampling	280-58595	03/15/2011 1210
Field Dissolved Oxygen	8.3		mg/L	1.0	Field Sampling	280-58595	03/15/2011 1210
Field EH/ORP	21.0		millivolts	1.0	Field Sampling	280-58595	03/15/2011 1210

Field Service / Mobile Lab

Client Sample ID: **3406-S05**

Lab Sample ID: 280-13578-4

Client Matrix: Water

Date Sampled: 03/15/2011 1225

Date Received: 03/16/2011 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.54		SU	1.0	Field Sampling	280-58595	03/15/2011 1225
Field Conductivity	62		umhos/cm	1.0	Field Sampling	280-58595	03/15/2011 1225
Field Temperature	8.4		Degrees C	1.0	Field Sampling	280-58595	03/15/2011 1225
Field Turbidity	3.0		NTU	1.0	Field Sampling	280-58595	03/15/2011 1225
Field Dissolved Oxygen	8.6		mg/L	1.0	Field Sampling	280-58595	03/15/2011 1225
Field EH/ORP	25.0		millivolts	1.0	Field Sampling	280-58595	03/15/2011 1225

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-13578-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Waste Management

Job Number: 280-13578-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-59590					
LCS 280-59590/5	Lab Control Sample	T	Water	8260B	
MB 280-59590/6	Method Blank	T	Water	8260B	
280-13578-1	3406-S02	T	Water	8260B	
280-13578-1MS	Matrix Spike	T	Water	8260B	
280-13578-1MSD	Matrix Spike Duplicate	T	Water	8260B	
280-13578-2	3406-S03	T	Water	8260B	
280-13578-3	3406-S04	T	Water	8260B	
280-13578-4	3406-S05	T	Water	8260B	
Analysis Batch:280-59685					
LCS 280-59685/5	Lab Control Sample	T	Water	8260B	
MB 280-59685/6	Method Blank	T	Water	8260B	
280-13571-C-15 MS	Matrix Spike	T	Water	8260B	
280-13571-C-15 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-13578-5TB	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13578-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-57982					
LCS 280-57982/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57982/1-A	Method Blank	R	Water	3005A	
280-13578-1	3406-S02	R	Water	3005A	
280-13578-1MS	Matrix Spike	R	Water	3005A	
280-13578-1MSD	Matrix Spike Duplicate	R	Water	3005A	
280-13578-2	3406-S03	R	Water	3005A	
280-13578-3	3406-S04	R	Water	3005A	
280-13578-4	3406-S05	R	Water	3005A	
Prep Batch: 280-57983					
LCS 280-57983/2-A	Lab Control Sample	R	Water	3005A	
MB 280-57983/1-A	Method Blank	R	Water	3005A	
280-13578-1	3406-S02	R	Water	3005A	
280-13578-2	3406-S03	R	Water	3005A	
280-13578-3	3406-S04	R	Water	3005A	
280-13578-4	3406-S05	R	Water	3005A	
280-13578-4MS	Matrix Spike	R	Water	3005A	
280-13578-4MSD	Matrix Spike Duplicate	R	Water	3005A	
Analysis Batch:280-58703					
LCS 280-57983/2-A	Lab Control Sample	R	Water	6010C	280-57983
MB 280-57983/1-A	Method Blank	R	Water	6010C	280-57983
280-13578-1	3406-S02	R	Water	6010C	280-57983
280-13578-2	3406-S03	R	Water	6010C	280-57983
280-13578-3	3406-S04	R	Water	6010C	280-57983
280-13578-4	3406-S05	R	Water	6010C	280-57983
280-13578-4MS	Matrix Spike	R	Water	6010C	280-57983
280-13578-4MSD	Matrix Spike Duplicate	R	Water	6010C	280-57983
Analysis Batch:280-58926					
LCS 280-57982/2-A	Lab Control Sample	R	Water	6020A	280-57982
MB 280-57982/1-A	Method Blank	R	Water	6020A	280-57982
280-13578-1	3406-S02	R	Water	6020A	280-57982
280-13578-1MS	Matrix Spike	R	Water	6020A	280-57982
280-13578-1MSD	Matrix Spike Duplicate	R	Water	6020A	280-57982
280-13578-2	3406-S03	R	Water	6020A	280-57982
280-13578-3	3406-S04	R	Water	6020A	280-57982
280-13578-4	3406-S05	R	Water	6020A	280-57982

Report Basis

R = Total Recoverable

Client: Waste Management

Job Number: 280-13578-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Field Service / Mobile Lab					
Analysis Batch:280-58595					
280-13578-1	3406-S02	T	Water	Field Sampling	
280-13578-2	3406-S03	T	Water	Field Sampling	
280-13578-3	3406-S04	T	Water	Field Sampling	
280-13578-4	3406-S05	T	Water	Field Sampling	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-13578-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
280-13578-1	3406-S02	91	106	100	95
280-13578-2	3406-S03	86	101	97	91
280-13578-3	3406-S04	91	106	100	98
280-13578-4	3406-S05	85	98	94	89
280-13578-5	TRIP BLANK	136X	96	100	121X
MB 280-59590/6		90	105	100	96
MB 280-59685/6		107	94	90	105
LCS 280-59590/5		89	101	101	97
LCS 280-59685/5		104	99	93	108
280-13578-1 MS	3406-S02 MS	83	97	95	92
280-13571-C-15 MS		136X	94	91	120
280-13578-1 MSD	3406-S02 MSD	88	101	99	97
280-13571-C-15 MSD		131X	95	92	119

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120
DBFM = Dibromofluoromethane (Surr)	77-120

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-59590

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 280-59590/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/27/2011 1617
Date Prepared: 03/27/2011 1617

Analysis Batch: 280-59590
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV_G2
Lab File ID: G2_2479.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-59590

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59590/6	Analysis Batch:	280-59590	Instrument ID:	MSV_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2479.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 1617			Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 1617				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 127
Toluene-d8 (Surr)	105	80 - 125
4-Bromofluorobenzene (Surr)	100	78 - 120
Dibromofluoromethane (Surr)	96	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Lab Control Sample - Batch: 280-59590

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 280-59590/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/27/2011 1558
Date Prepared: 03/27/2011 1558

Analysis Batch: 280-59590
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV_G2
Lab File ID: G2_2478.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.68	94	77 - 120	
Bromodichloromethane	5.00	4.32	86	78 - 120	
Carbon tetrachloride	5.00	4.57	91	80 - 120	
Chlorobenzene	5.00	4.74	95	78 - 120	
Chloroform	5.00	4.58	92	78 - 120	J
1,1-Dichloroethane	5.00	4.47	89	77 - 120	J
trans-1,2-Dichloroethene	5.00	4.95	99	80 - 120	J
1,1-Dichloroethene	5.00	5.20	104	68 - 133	
1,2-Dichloropropane	5.00	4.25	85	76 - 120	
Ethylbenzene	5.00	4.75	95	78 - 120	
Methylene Chloride	5.00	4.67	93	60 - 134	
1,3-Dichlorobenzene	5.00	4.85	97	75 - 120	
Tetrachloroethene	5.00	4.80	96	77 - 120	
1,1,1-Trichloroethane	5.00	4.49	90	78 - 120	
Trichloroethene	5.00	4.65	93	78 - 122	
Toluene	5.00	4.81	96	73 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	70 - 127
Toluene-d8 (Surr)	101	80 - 125
4-Bromofluorobenzene (Surr)	101	78 - 120
Dibromofluoromethane (Surr)	97	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59590

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13578-1	Analysis Batch:	280-59590	Instrument ID:	MSV_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2497.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2204			Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2204				

MSD Lab Sample ID:	280-13578-1	Analysis Batch:	280-59590	Instrument ID:	MSV_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2498.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/27/2011 2223			Final Weight/Volume:	20 mL
Date Prepared:	03/27/2011 2223				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	89	97	77 - 120	8	20		
Bromodichloromethane	81	90	78 - 120	10	20		
Carbon tetrachloride	86	91	80 - 120	6	21		
Chlorobenzene	90	97	78 - 120	7	20		
Chloroform	88	96	78 - 120	9	20	J	J
1,1-Dichloroethane	85	94	77 - 120	10	21	J	J
trans-1,2-Dichloroethene	91	98	80 - 120	7	24	J	J
1,1-Dichloroethene	96	101	68 - 133	5	20	J	
1,2-Dichloropropane	80	89	76 - 120	10	20		
Ethylbenzene	90	93	78 - 120	4	26		
Methylene Chloride	80	91	60 - 134	12	20		
1,3-Dichlorobenzene	91	97	75 - 120	6	20		
Tetrachloroethene	89	93	77 - 120	5	20		
1,1,1-Trichloroethane	85	92	78 - 120	8	20		
Trichloroethene	86	93	78 - 122	7	20		
Toluene	91	95	73 - 120	5	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	88	70 - 127
Toluene-d8 (Surr)	97	101	80 - 125
4-Bromofluorobenzene (Surr)	95	99	78 - 120
Dibromofluoromethane (Surr)	92	97	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59590

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13578-1	Units: ug/L	MSD Lab Sample ID:	280-13578-1
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/27/2011 2204		Date Analyzed:	03/27/2011 2223
Date Prepared:	03/27/2011 2204		Date Prepared:	03/27/2011 2223

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	4.45		4.83	
Bromodichloromethane	ND	5.00	5.00	4.04		4.48	
Carbon tetrachloride	ND	5.00	5.00	4.29		4.56	
Chlorobenzene	ND	5.00	5.00	4.52		4.86	
Chloroform	ND	5.00	5.00	4.38	J	4.78	J
1,1-Dichloroethane	ND	5.00	5.00	4.27	J	4.72	J
trans-1,2-Dichloroethene	ND	5.00	5.00	4.55	J	4.90	J
1,1-Dichloroethene	ND	5.00	5.00	4.80	J	5.03	
1,2-Dichloropropane	ND	5.00	5.00	4.01		4.43	
Ethylbenzene	ND	5.00	5.00	4.50		4.67	
Methylene Chloride	ND	5.00	5.00	4.02		4.53	
1,3-Dichlorobenzene	ND	5.00	5.00	4.57		4.85	
Tetrachloroethene	ND	5.00	5.00	4.44		4.66	
1,1,1-Trichloroethane	ND	5.00	5.00	4.24		4.59	
Trichloroethene	ND	5.00	5.00	4.31		4.64	
Toluene	ND	5.00	5.00	4.55		4.77	

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1151			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1151				

Analyte	Result	Qual	MDL	RL
Acetone	1.95	J	1.9	100
Acrylonitrile	ND		1.4	200
Benzene	ND		0.16	1.0
Bromochloromethane	ND		0.10	3.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	3.0
Bromomethane	ND		0.21	10
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
1,1-Dichloroethane	ND		0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	ND		0.15	5.0
trans-1,2-Dichloroethene	ND		0.15	5.0
1,1-Dichloroethene	ND		0.23	5.0
1,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Methylene Chloride	ND		0.32	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
Styrene	ND		0.17	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	3.0
Tetrachloroethene	ND		0.20	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
Vinyl acetate	ND		0.94	50
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-59685/6	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6668.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1151			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1151				

Analyte	Result	Qual	MDL	RL
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100
Toluene	ND		0.17	1.0
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 127
Toluene-d8 (Surr)	94	80 - 125
4-Bromofluorobenzene (Surr)	90	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Lab Control Sample - Batch: 280-59685

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 280-59685/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/26/2011 1130
Date Prepared: 03/26/2011 1130

Analysis Batch: 280-59685
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV_P
Lab File ID: P6667.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.28	106	77 - 120	
Bromodichloromethane	5.00	5.42	108	78 - 120	
Carbon tetrachloride	5.00	5.99	120	80 - 120	
Chlorobenzene	5.00	5.05	101	78 - 120	
Chloroform	5.00	5.45	109	78 - 120	
1,1-Dichloroethane	5.00	5.24	105	77 - 120	
trans-1,2-Dichloroethene	5.00	5.18	104	80 - 120	
1,1-Dichloroethene	5.00	5.70	114	68 - 133	
1,2-Dichloropropane	5.00	4.80	96	76 - 120	
Ethylbenzene	5.00	4.95	99	78 - 120	
Methylene Chloride	5.00	5.12	102	60 - 134	
1,3-Dichlorobenzene	5.00	4.98	100	75 - 120	
Tetrachloroethene	5.00	5.35	107	77 - 120	
1,1,1-Trichloroethane	5.00	5.59	112	78 - 120	
Trichloroethene	5.00	5.16	103	78 - 122	
Toluene	5.00	5.22	104	73 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	93	78 - 120
Dibromofluoromethane (Surr)	108	77 - 120

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-C-15 MS	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6687.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1844			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1844				

MSD Lab Sample ID:	280-13571-C-15 MSD	Analysis Batch:	280-59685	Instrument ID:	MSV_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P6688.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	03/26/2011 1905			Final Weight/Volume:	20 mL
Date Prepared:	03/26/2011 1905				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	113	113	77 - 120	0	20		
Bromodichloromethane	132	131	78 - 120	0	20	F	F
Carbon tetrachloride	129	129	80 - 120	0	21	F	F
Chlorobenzene	102	103	78 - 120	1	20		
Chloroform	130	129	78 - 120	1	20	F	F
1,1-Dichloroethane	122	123	77 - 120	1	21	F	F
trans-1,2-Dichloroethene	108	104	80 - 120	4	24		
1,1-Dichloroethene	114	111	68 - 133	3	20		
1,2-Dichloropropane	106	111	76 - 120	4	20		
Ethylbenzene	94	97	78 - 120	3	26		
Methylene Chloride	123	123	60 - 134	0	20		
1,3-Dichlorobenzene	96	98	75 - 120	3	20		
Tetrachloroethene	95	99	77 - 120	4	20		
1,1,1-Trichloroethane	116	123	78 - 120	6	20		F
Trichloroethene	98	100	78 - 122	2	20		
Toluene	111	113	73 - 120	2	20		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	136	X	131	X	70 - 127
Toluene-d8 (Surr)	94		95		80 - 125
4-Bromofluorobenzene (Surr)	91		92		78 - 120
Dibromofluoromethane (Surr)	120		119		77 - 120

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-59685

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-13571-C-15 MS	Units: ug/L	MSD Lab Sample ID:	280-13571-C-15 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	03/26/2011 1844		Date Analyzed:	03/26/2011 1905
Date Prepared:	03/26/2011 1844		Date Prepared:	03/26/2011 1905

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	ND	5.00	5.00	5.66		5.67	
Bromodichloromethane	ND	5.00	5.00	6.58	F	6.55	F
Carbon tetrachloride	ND	5.00	5.00	6.44	F	6.44	F
Chlorobenzene	ND	5.00	5.00	5.12		5.16	
Chloroform	ND	5.00	5.00	6.52	F	6.45	F
1,1-Dichloroethane	ND	5.00	5.00	6.09	F	6.15	F
trans-1,2-Dichloroethene	ND	5.00	5.00	5.40		5.19	
1,1-Dichloroethene	ND	5.00	5.00	5.70		5.53	
1,2-Dichloropropane	ND	5.00	5.00	5.32		5.55	
Ethylbenzene	ND	5.00	5.00	4.68		4.83	
Methylene Chloride	ND	5.00	5.00	6.13		6.13	
1,3-Dichlorobenzene	ND	5.00	5.00	4.78		4.92	
Tetrachloroethene	ND	5.00	5.00	4.75		4.93	
1,1,1-Trichloroethane	ND	5.00	5.00	5.79		6.17	F
Trichloroethene	ND	5.00	5.00	4.91		5.00	
Toluene	ND	5.00	5.00	5.53		5.63	

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-57983

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-57983/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/21/2011 2358
Date Prepared: 03/21/2011 0800

Analysis Batch: 280-58703
Prep Batch: 280-57983
Units: ug/L

Instrument ID: MT_025
Lab File ID: 25F032111.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	ND		0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

Lab Control Sample - Batch: 280-57983

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57983/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2011 0000
Date Prepared: 03/21/2011 0800

Analysis Batch: 280-58703
Prep Batch: 280-57983
Units: ug/L

Instrument ID: MT_025
Lab File ID: 25F032111.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2080	104	90 - 112	
Beryllium	50.0	48.2	96	89 - 113	
Chromium	200	201	101	90 - 113	
Cobalt	500	492	98	89 - 111	
Lead	500	500	100	89 - 110	
Nickel	500	491	98	89 - 111	
Vanadium	500	502	100	90 - 111	
Silver	50.0	50.9	102	86 - 115	

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57983

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13578-4	Analysis Batch:	280-58703	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57983	Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0015			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

MSD Lab Sample ID:	280-13578-4	Analysis Batch:	280-58703	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-57983	Lab File ID:	25F032111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2011 0017			Final Weight/Volume:	50 mL
Date Prepared:	03/21/2011 0800				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	105	107	85 - 120	2	25		
Beryllium	98	100	79 - 121	1	25		
Chromium	102	104	73 - 135	2	25		
Cobalt	100	101	82 - 119	1	25		
Lead	101	102	89 - 121	1	25		
Nickel	100	101	84 - 120	1	25		
Vanadium	102	105	85 - 120	2	25		
Silver	103	105	75 - 141	2	25		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57983

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13578-4	Units: ug/L		MSD Lab Sample ID:	280-13578-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/22/2011 0015			Date Analyzed:	03/22/2011 0017
Date Prepared:	03/21/2011 0800			Date Prepared:	03/21/2011 0800

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Barium	34	J	2000	2000	2130	2160
Beryllium	ND		50.0	50.0	49.1	49.8
Chromium	1.3	J	200	200	205	209
Cobalt	ND		500	500	498	505
Lead	ND		500	500	505	511
Nickel	ND		500	500	498	504
Vanadium	3.7	J	500	500	516	526
Silver	ND		50.0	50.0	51.5	52.6

Client: Waste Management

Job Number: 280-13578-1

Method Blank - Batch: 280-57982

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 280-57982/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 0514
Date Prepared: 03/18/2011 1700

Analysis Batch: 280-58926
Prep Batch: 280-57982
Units: ug/L

Instrument ID: MT_024
Lab File ID: 231_BLK.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	ND		0.040	1.0
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.0267	J	0.020	5.5
Zinc	ND		2.0	10

Lab Control Sample - Batch: 280-57982

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 280-57982/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2011 0516
Date Prepared: 03/18/2011 1700

Analysis Batch: 280-58926
Prep Batch: 280-57982
Units: ug/L

Instrument ID: MT_024
Lab File ID: 232_LCS.D
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	42.3	106	85 - 115	
Arsenic	40.0	42.1	105	85 - 117	
Cadmium	40.0	41.8	105	85 - 115	
Copper	40.0	41.3	103	85 - 119	
Selenium	40.0	41.9	105	77 - 122	
Thallium	40.0	41.6	104	85 - 118	
Zinc	40.0	42.5	106	83 - 122	

Client: Waste Management

Job Number: 280-13578-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57982

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13578-1	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57982	Lab File ID:	236_MS.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0527			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

MSD Lab Sample ID:	280-13578-1	Analysis Batch:	280-58926	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-57982	Lab File ID:	237_MSD.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	03/23/2011 0530			Final Weight/Volume:	50 mL
Date Prepared:	03/18/2011 1700				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	105	104	85 - 115	1	20		
Arsenic	105	104	85 - 115	1	20		
Cadmium	106	107	85 - 115	0	20		
Copper	98	94	85 - 119	4	20		
Selenium	110	110	77 - 122	0	20		
Thallium	105	105	85 - 118	0	20		
Zinc	104	101	83 - 122	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-57982

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-13578-1	Units: ug/L		MSD Lab Sample ID:	280-13578-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	03/23/2011 0527			Date Analyzed:	03/23/2011 0530
Date Prepared:	03/18/2011 1700			Date Prepared:	03/18/2011 1700

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Antimony	0.090	J	40.0	40.0	42.2	41.8
Arsenic	ND		40.0	40.0	42.2	41.6
Cadmium	ND		40.0	40.0	42.6	42.7
Copper	2.5	J	40.0	40.0	41.9	40.3
Selenium	ND		40.0	40.0	44.0	44.2
Thallium	0.057	J	40.0	40.0	42.1	42.0
Zinc	4.6	J	40.0	40.0	46.2	44.9

Client: Waste Management

Job Number: 280-13578-1

Laboratory Chronicle

Lab ID: 280-13578-1 **Client ID:** 3406-S02

Sample Date/Time: 03/15/2011 12:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-D-1		280-59590		03/27/2011 21:45	1	TAL DEN	HEW
A:8260B	280-13578-D-1		280-59590		03/27/2011 21:45	1	TAL DEN	HEW
P:3005A	280-13578-A-1-D		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-1-D		280-58703	280-57983	03/22/2011 00:03	1	TAL DEN	LT
P:3005A	280-13578-A-1-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-1-A		280-58926	280-57982	03/23/2011 05:19	1	TAL DEN	TEL
A:Field Sampling	280-13578-A-1		280-58595		03/15/2011 12:00	1	TAL DEN	FS

Lab ID: 280-13578-1 MS **Client ID:** 3406-S02

Sample Date/Time: 03/15/2011 12:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-D-1 MS		280-59590		03/27/2011 22:04	1	TAL DEN	HEW
A:8260B	280-13578-D-1 MS		280-59590		03/27/2011 22:04	1	TAL DEN	HEW
P:3005A	280-13578-A-1-B MS		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-1-B MS		280-58926	280-57982	03/23/2011 05:27	1	TAL DEN	TEL

Lab ID: 280-13578-1 MSD **Client ID:** 3406-S02

Sample Date/Time: 03/15/2011 12:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-C-1 MSD		280-59590		03/27/2011 22:23	1	TAL DEN	HEW
A:8260B	280-13578-C-1 MSD		280-59590		03/27/2011 22:23	1	TAL DEN	HEW
P:3005A	280-13578-A-1-C MSD		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-1-C MSD		280-58926	280-57982	03/23/2011 05:30	1	TAL DEN	TEL

Lab ID: 280-13578-2 **Client ID:** 3406-S03

Sample Date/Time: 03/15/2011 11:40 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-C-2		280-59590		03/27/2011 22:42	1	TAL DEN	HEW
A:8260B	280-13578-C-2		280-59590		03/27/2011 22:42	1	TAL DEN	HEW
P:3005A	280-13578-A-2-B		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-2-B		280-58703	280-57983	03/22/2011 00:05	1	TAL DEN	LT
P:3005A	280-13578-A-2-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-2-A		280-58926	280-57982	03/23/2011 05:33	1	TAL DEN	TEL
A:Field Sampling	280-13578-A-2		280-58595		03/15/2011 11:40	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-13578-1

Laboratory Chronicle

Lab ID: 280-13578-3 **Client ID:** 3406-S04

Sample Date/Time: 03/15/2011 12:10 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-C-3		280-59590		03/27/2011 23:02	1	TAL DEN	HEW
A:8260B	280-13578-C-3		280-59590		03/27/2011 23:02	1	TAL DEN	HEW
P:3005A	280-13578-A-3-B		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-3-B		280-58703	280-57983	03/22/2011 00:07	1	TAL DEN	LT
P:3005A	280-13578-A-3-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-3-A		280-58926	280-57982	03/23/2011 05:36	1	TAL DEN	TEL
A:Field Sampling	280-13578-A-3		280-58595		03/15/2011 12:10	1	TAL DEN	FS

Lab ID: 280-13578-4 **Client ID:** 3406-S05

Sample Date/Time: 03/15/2011 12:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-B-4		280-59590		03/27/2011 23:21	1	TAL DEN	HEW
A:8260B	280-13578-B-4		280-59590		03/27/2011 23:21	1	TAL DEN	HEW
P:3005A	280-13578-A-4-B		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-4-B		280-58703	280-57983	03/22/2011 00:10	1	TAL DEN	LT
P:3005A	280-13578-A-4-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	280-13578-A-4-A		280-58926	280-57982	03/23/2011 05:38	1	TAL DEN	TEL
A:Field Sampling	280-13578-A-4		280-58595		03/15/2011 12:25	1	TAL DEN	FS

Lab ID: 280-13578-4 MS **Client ID:** 3406-S05

Sample Date/Time: 03/15/2011 12:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13578-A-4-C MS		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-4-C MS		280-58703	280-57983	03/22/2011 00:15	1	TAL DEN	LT

Lab ID: 280-13578-4 MSD **Client ID:** 3406-S05

Sample Date/Time: 03/15/2011 12:25 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-13578-A-4-D MSD		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	280-13578-A-4-D MSD		280-58703	280-57983	03/22/2011 00:17	1	TAL DEN	LT

Client: Waste Management

Job Number: 280-13578-1

Laboratory Chronicle

Lab ID: **280-13578-5** **Client ID:** **TRIP BLANK**

Sample Date/Time: 03/15/2011 00:00 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13578-B-5		280-59685		03/26/2011 20:09	1	TAL DEN	TDJ
A:8260B	280-13578-B-5		280-59685		03/26/2011 20:09	1	TAL DEN	TDJ

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
A:8260B	MB 280-59685/6		280-59685		03/26/2011 11:51	1	TAL DEN	TDJ
P:5030B	MB 280-59590/6		280-59590		03/27/2011 16:17	1	TAL DEN	HEW
A:8260B	MB 280-59590/6		280-59590		03/27/2011 16:17	1	TAL DEN	HEW
P:3005A	MB 280-57983/1-A		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	MB 280-57983/1-A		280-58703	280-57983	03/21/2011 23:58	1	TAL DEN	LT
P:3005A	MB 280-57982/1-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	MB 280-57982/1-A		280-58926	280-57982	03/23/2011 05:14	1	TAL DEN	TEL

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
A:8260B	LCS 280-59685/5		280-59685		03/26/2011 11:30	1	TAL DEN	TDJ
P:5030B	LCS 280-59590/5		280-59590		03/27/2011 15:58	1	TAL DEN	HEW
A:8260B	LCS 280-59590/5		280-59590		03/27/2011 15:58	1	TAL DEN	HEW
P:3005A	LCS 280-57983/2-A		280-58703	280-57983	03/21/2011 08:00	1	TAL DEN	KMN
A:6010C	LCS 280-57983/2-A		280-58703	280-57983	03/22/2011 00:00	1	TAL DEN	LT
P:3005A	LCS 280-57982/2-A		280-58926	280-57982	03/18/2011 17:00	1	TAL DEN	KMN
A:6020A	LCS 280-57982/2-A		280-58926	280-57982	03/23/2011 05:16	1	TAL DEN	TEL

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 03/15/2011 08:12 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MS		280-59685		03/26/2011 18:44	1	TAL DEN	TDJ

Client: Waste Management

Job Number: 280-13578-1

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 03/15/2011 08:12 Received Date/Time: 03/16/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ
A:8260B	280-13571-C-15 MSD		280-59685		03/26/2011 19:05	1	TAL DEN	TDJ

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 3.8 / R1 SC

Drinking Water? Yes ☐ No ☐ 3/16

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
Wm	AL LACSAMANA	3-15-11	137522
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): 134 / Piedmont	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 28003156 (SA Surface Water)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): Metals (6)	VOA	Special Instructions/ Conditions of Receipt
SO2	3-15	1200		X						1	3				1	3	
SO3	3-15	1140		X						1	3				1	3	
SO4	3-15	1210		X						1	3				1	3	
SO5	3-15	1225		X						1	3				1	3	
TRIP	3-15	—		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	3-15-11	1600	1. Received By	3/16/11	900
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

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:

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
031511	1200	—	—	—	—

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: F

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

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

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)
	1st	1st						
	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 ____
031511	651	76	86	41	79	10	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 50°F Precipitation: Y or N

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

BEHIND MW 12

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
03/15/11	BEN RAMJEAWAN	Ben Ramjeawan	PRO-TECH

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

TAL-8029WM (0108)

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:

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
031511	1140	—	—	—	—

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: F

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

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

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)
1st									
2nd									
3rd									
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 ____
031511	6.70	79	8.9	20	8.1	45	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W/0-5 Outlook: CLOUDY, 50°F Precipitation: Y or (N)

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

FIELD COMMENTS

FREEMAN ROAD AFTER LEAVING SITE @ ESS CURVE.

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
03/15/11	BEN RAMSEAWAN	Ben Ramseawan	PRO-TECH

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

TAL-8029WM (0108)

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: PIEDMONT

Site No.:

Sample Point: S04 (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:

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
03/15/11	1210	—	—	—	—

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: F

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		pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		1st							
		2nd							
		3rd							
		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
03/15/11	6.64	59	8.6	3.3	8.3	210	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 50°F Precipitation: Y or N

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

CULVERT @ GRAVEL ROAD (WATER OAK ROAD)

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
03/15/11	BEN RAMNEAWAN	Ben Ramneawan	PRO-TECH

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

TAL-8029WM (0108)

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:

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
031511	1225	+	+	+	+

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 —

Sampling Device E

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

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	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
	1st		1st					
	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 ____
031511	6.54	62	8.4	30	8.6	25	

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: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLOUDY, 50°F Precipitation: Y or (N)

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

FIELD COMMENTS

HAPPY HILL ROAD

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
03/15/11	BEN RAMKEAWAN	Ben Ramkeawan	PRO-TECH

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

TAL-8029WM (0108)

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-13578-1

Login Number: 13578

List Source: TestAmerica Denver

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	SAMPLE S05 IS LABELED AS S01
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Results of the Ground Water Statistics for

Piedmont Landfill

First Semi-Annual Monitoring Event in 2011

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

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April 2011

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 2011 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 wells were sampled on March 15, 2011 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, due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart using the DUMPStat® program. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The database is screened for outliers using the Dixon test. An erroneous data point, if not removed prior to the mean and variance computations would yield a larger control limit thus increasing the false negative rate. Anomalous data will still be plotted on the graphs but will not be included in the calculations. The background data is tested for existing trends using Sen's slope test. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance.

Many ground water monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time monitored at a particular well, the data is plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter.

Results

The ground water data obtained during the first semi-annual monitoring event in 2011 are summarized in Attachment A. The trace metals data were compared to the historical background data at each well. The previously used background was established using the data obtained through 2003. Since there were no exceedances attributed to the landfill, the background was updated to include data obtained through 2008 for all wells.

The background range was tested for increasing trends using Sen's Test. There were increasing trends detected for barium at wells MW01, MW02, MW04, and MW05, however, these trends are attributed to the change in reporting limits and not the landfill.

A summary of the intrawell statistics is included in Attachment B, Table 1 "Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts." The control charts or time series graphs follow the summary table.

For the trace metals analyzed, there is a control limit exceedance detected for chromium at MW03. The chromium CUSUM value at MW03 (18.5 µg/L) slightly exceeded the normal control limit of 18.2 µg/L, however, the chromium concentration determined (13.0 µg/L) was below the control limit. The chromium exceedance is not statistically significant unless substantiated by subsequent monitoring.

The site-wide false positive rate is 1% and the test becomes sensitive to 4.5 standard deviation units over background.

There were no VOCs detected in the ground water above the laboratory reporting limits during the March 2011 monitoring event. Historical VOC detections are summarized in Attachment C.

Attachment A

Summary of the Ground Water Data obtained during the First Semi-Annual Monitoring Event in 2011

Table 1

Analytical Data Summary for 3/15/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
1,1,1,2-tetrachloroethane	UG/L	<5.0000	<5.0000	<5.0000	<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	<1.0000	<1.0000	<1.0000
1,1,2,2-tetrachloroethane	UG/L	<3.0000	<3.0000	<3.0000	<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	<1.0000	<1.0000	<1.0000
1,1-dichloroethane	UG/L	<5.0000	<5.0000	<5.0000	<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	<5.0000	<5.0000	<5.0000
1,2,3-trichloropropane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dibromo-3-chloropropane (dbcp)	UG/L	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000
1,2-dibromoethane (edb)	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2-dichlorobenzene	UG/L	<5.0000	<5.0000	<5.0000	<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	<1.0000	<1.0000	<1.0000
1,2-dichloropropane	UG/L	<1.0000	<1.0000	<1.0000	<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	<1.0000	<1.0000	<1.0000
2-hexanone	UG/L	<50.0000	<50.0000	<50.0000	<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	<100.0000	<100.0000	<100.0000
Acrylonitrile	UG/L	<200.0000	<200.0000	<200.0000	<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	<6.0000	<6.0000	<6.0000
Arsenic, total	UG/L	<10.0000	<10.0000	<10.0000	<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	<100.0000	<100.0000	110.0000
Benzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Beryllium, total	UG/L	<1.0000	<1.0000	<1.0000	<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	<3.0000	<3.0000	<3.0000
Bromoform	UG/L	<3.0000	<3.0000	<3.0000	<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	<10.0000	<10.0000	<10.0000
Cadmium, total	UG/L	<1.0000	<1.0000	<1.0000	<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	<100.0000	<100.0000	<100.0000
Carbon tetrachloride	UG/L	<1.0000	<1.0000	<1.0000	<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	<3.0000	<3.0000	<3.0000
Chloroethane	UG/L	<10.0000	<10.0000	<10.0000	<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	<5.0000	<5.0000	<5.0000
Chloromethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Chromium, total	UG/L	<10.0000	<10.0000	13.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Cis-1,2-dichloroethene	UG/L	<5.0000	<5.0000	<5.0000	<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	<1.0000	<1.0000	<1.0000
Cobalt, total	UG/L	<10.0000	<10.0000	<10.0000	<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	<10.0000	<10.0000	<10.0000
Dibromochloromethane	UG/L	<3.0000	<3.0000	<3.0000	<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	<10.0000	<10.0000	<10.0000
Dichlorobromomethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Do (field)	MG/L	4.3000	1.3000	1.8000	.9000	1.4000	.4000	1.6000	2.5000	1.4000
Eh/orp (field)	mV	193.0000	159.6000	179.0000	110.6000	21.2000	207.0000	243.0000	29.4000	252.0000
Ethylbenzene	UG/L	<1.0000	<1.0000	<1.0000	<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	<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	<10.0000	<10.0000	<10.0000
Magnesium, total recoverable	MG/L									

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

Table 1

Analytical Data Summary for 3/15/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
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	<100.0000	<100.0000	<100.0000
Methyl isobutyl ketone	UG/L	<100.0000	<100.0000	<100.0000	<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	<1.0000	<1.0000	<1.0000
Nickel, total	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Nitrogen, nitrate	MG/L									
pH FIELD	PH UNITS	6.1400	5.0100	5.6900	5.3600	6.4400	5.8100	5.6000	5.8000	5.5600
Phosphorous, total	MG/L									
Potassium, total	MG/L									
Selenium, total	UG/L	<10.0000	<10.0000	<10.0000	<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	<10.0000	<10.0000	<10.0000
Sodium, total	MG/L									
Specific conductance field	UMHOS/CM	59.0000	125.0000	117.0000	89.0000	95.0000	287.0000	30.0000	151.0000	120.0000
Styrene	UG/L	<1.0000	<1.0000	<1.0000	<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	<1.0000	<1.0000	<1.0000
Thallium, total	UG/L	<5.5000	<5.5000	<5.5000	<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	<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	<5.0000	<5.0000	<5.0000
Trans-1,2-dichloroethene	UG/L	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000
Trans-1,3-dichloropropene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Trans-1,4-dichloro-2-butene	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Trichloroethene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Trichlorofluoromethane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Turbidity	NTU	.8000	.4000	.7000	5.9000	16.8000	.6000	.5000	5.9000	5.3000
Vanadium, total	UG/L	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000
Vinyl acetate	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Vinyl chloride	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Water temperature in deg. celsius field	DEGREES C	11.3000	14.3000	13.5000	13.2000	13.1000	10.5000	10.6000	13.8000	8.9000
Zinc, total	UG/L	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000

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

Table 1

Analytical Data Summary for 3/15/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	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	<5.0000	<5.0000	<5.0000	<25.0000
1,1,1-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<25.0000
1,1,2,2-tetrachloroethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<15.0000
1,1,2-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<25.0000
1,1-dichloroethane	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<25.0000
1,1-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<25.0000
1,2,3-trichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<40.0000
1,2-dibromo-3-chloropropane (dbcp)	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<13.0000	<65.0000
1,2-dibromoethane (edb)	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
1,2-dichlorobenzene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<50.0000
1,2-dichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
1,2-dichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
1,4-dichlorobenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
2-hexanone	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<250.0000
Acetone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	830.0000
Acrylonitrile	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<1000.0000
Alkalinity, bicarbonate (as caco3)											3700.0000
Alkalinity, carbonate (as caco3)											<10.0000
Alkalinity, total (as caco3)											3700.0000
Ammonia											810.0000
Antimony, total	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	19.0000
Arsenic, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	48.0000
Barium, total	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	300.0000
Benzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
Beryllium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<2.0000
Biochemical oxygen demand											85.0000
Bromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<15.0000
Bromoform	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<15.0000
Bromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<50.0000
Cadmium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<2.0000
Calcium, total recoverable											51.0000
Carbon disulfide	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<500.0000
Carbon tetrachloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Chemical oxygen demand											990.0000
Chloride											1200.0000
Chlorobenzene	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<15.0000
Chloroethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<50.0000
Chloroform	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<25.0000
Chloromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Chromium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	73.0000
Cis-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<25.0000
Cis-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Cobalt, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	40.0000
Copper, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	80.0000
Dibromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<15.0000
Dibromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<50.0000
Dichlorobromomethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
Do (field)	1.7000	3.5000	1.2000	4.1000	1.0000	.9000	7.9000	8.1000	8.3000	8.6000	3.9000
Eh/orp (field)	136.0000	70.9000	140.3000	92.8000	42.0000	63.6000	10.0000	45.0000	21.0000	25.0000	<.0000
Ethylbenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<25.0000
Iodomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<50.0000
Iron, total recoverable											5500.0000
Lead, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Magnesium, total recoverable											50.0000

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

Table 1

Analytical Data Summary for 3/15/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
Manganese, total recoverable											1100.0000
Mercury, total											<.2000
Methyl ethyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<500.0000
Methyl isobutyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<500.0000
Methylene chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Nickel, total	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	250.0000
Nitrogen, nitrate											<.5000
pH FIELD	5.9500	5.7300	5.4200	6.0600	5.9800	6.5200	6.5100	6.7000	6.6400	6.5400	7.5200
Phosphorous, total											12.0000
Potassium, total											360.0000
Selenium, total	<10.0000	<10.0000	<10.0000	<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	<10.0000	<10.0000	<10.0000
Sodium, total											1000.0000
Specific conductance field	246.0000	115.0000	165.0000	75.0000	145.0000	226.0000	76.0000	79.0000	59.0000	62.0000	11780.0000
Styrene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<50.0000
Sulfate											<25.0000
Tetrachloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
Thallium, total	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<2.0000
Toluene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<25.0000
Total dissolved solids											3800.0000
Total organic carbon											230.0000
Total suspended solids											20.0000
Total xylenes	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	27.0000
Trans-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<25.0000
Trans-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Trans-1,4-dichloro-2-butene	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<500.0000
Trichloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<15.0000
Trichlorofluoromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<25.0000
Turbidity	.8000	4.7000	4.4000	15.8000	9.1000	13.0000	4.1000	2.0000	3.3000	3.0000	73.1000
Vanadium, total	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	46.0000
Vinyl acetate	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<250.0000
Vinyl chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<28.0000
Water temperature in deg. celsius field	13.3000	14.2000	14.1000	13.3000	12.6000	12.4000	8.6000	8.9000	8.6000	8.4000	8.6000
Zinc, total	28.0000	14.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	69.0000

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

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
Antimony, total	UG/L	3406-MW01	35					30.0000**
Arsenic, total	UG/L	3406-MW01	41					10.0000**
Barium, total	UG/L	3406-MW01	41	284.9293	223.5224	284.9293	284.9293	1179.0189
Beryllium, total	UG/L	3406-MW01	33					2.0000**
Cadmium, total	UG/L	3406-MW01	44					2.0000**
Chromium, total	UG/L	3406-MW01	41					10.0000**
Cobalt, total	UG/L	3406-MW01	33					10.0000**
Copper, total	UG/L	3406-MW01	41					200.0000**
Lead, total	UG/L	3406-MW01	41					10.0000**
Nickel, total	UG/L	3406-MW01	33					50.0000**
Selenium, total	UG/L	3406-MW01	41					20.0000**
Silver, total	UG/L	3406-MW01	41					10.0000**
Thallium, total	UG/L	3406-MW01	33					10.0000**
Vanadium, total	UG/L	3406-MW01	33					40.0000**
Zinc, total	UG/L	3406-MW01	41					65.4000**
Antimony, total	UG/L	3406-MW02	34					30.0000**
Arsenic, total	UG/L	3406-MW02	40					10.1000**
Barium, total	UG/L	3406-MW02	40	224.5875	229.6905	224.5875	224.5875	1143.3493
Beryllium, total	UG/L	3406-MW02	32					2.0000**
Cadmium, total	UG/L	3406-MW02	43					2.1000**
Chromium, total	UG/L	3406-MW02	40					10.0000**
Cobalt, total	UG/L	3406-MW02	32					10.0000**
Copper, total	UG/L	3406-MW02	40					200.0000**
Lead, total	UG/L	3406-MW02	40					10.0000**
Nickel, total	UG/L	3406-MW02	32					50.0000**
Selenium, total	UG/L	3406-MW02	40					20.0000**
Silver, total	UG/L	3406-MW02	40					10.0000**
Thallium, total	UG/L	3406-MW02	32					10.0000**
Vanadium, total	UG/L	3406-MW02	32					40.0000**
Zinc, total	UG/L	3406-MW02	40					50.0000**
Antimony, total	UG/L	3406-MW03	35					30.0000**
Arsenic, total	UG/L	3406-MW03	40					10.0000**
Barium, total	UG/L	3406-MW03	40	256.0825	247.0377	256.0825	256.0825	1244.2333
Beryllium, total	UG/L	3406-MW03	32					2.0000**
Cadmium, total	UG/L	3406-MW03	43					2.3000**
Chromium, total	UG/L	3406-MW03	40	9.0325	2.2952	16.2630	18.5092	18.2133
Cobalt, total	UG/L	3406-MW03	33					10.0000**
Copper, total	UG/L	3406-MW03	41					200.0000**
Lead, total	UG/L	3406-MW03	40					10.0000**
Nickel, total	UG/L	3406-MW03	32					50.0000**
Selenium, total	UG/L	3406-MW03	40					20.0000**
Silver, total	UG/L	3406-MW03	40					10.0000**
Thallium, total	UG/L	3406-MW03	32					10.0000**
Vanadium, total	UG/L	3406-MW03	33					40.0000**
Zinc, total	UG/L	3406-MW03	40					50.0000**
Antimony, total	UG/L	3406-MW04	34					30.0000**
Arsenic, total	UG/L	3406-MW04	40					10.0000**
Barium, total	UG/L	3406-MW04	40	265.0575	237.9422	265.0575	265.0575	1216.8263
Beryllium, total	UG/L	3406-MW04	32					2.0000**
Cadmium, total	UG/L	3406-MW04	43					1.8000**
Chromium, total	UG/L	3406-MW04	40					10.0000**
Cobalt, total	UG/L	3406-MW04	32					10.0000**
Copper, total	UG/L	3406-MW04	40					200.0000**
Lead, total	UG/L	3406-MW04	40					10.0000**
Nickel, total	UG/L	3406-MW04	32					50.0000**
Selenium, total	UG/L	3406-MW04	40					20.0000**
Silver, total	UG/L	3406-MW04	40					10.0000**
Thallium, total	UG/L	3406-MW04	32					10.0000**
Vanadium, total	UG/L	3406-MW04	32					40.0000**
Zinc, total	UG/L	3406-MW04	40					50.0000**
Antimony, total	UG/L	3406-MW04D	30					30.0000**
Arsenic, total	UG/L	3406-MW04D	30					10.0000**
Barium, total	UG/L	3406-MW04D	30	364.2000	201.5970	364.2000	364.2000	1170.5880
Beryllium, total	UG/L	3406-MW04D	30					8.0000**
Cadmium, total	UG/L	3406-MW04D	30					2.1000**
Chromium, total	UG/L	3406-MW04D	30	9.7300	3.3377	9.7300	9.7300	23.0807
Cobalt, total	UG/L	3406-MW04D	30					26.0000**
Copper, total	UG/L	3406-MW04D	30					200.0000**
Lead, total	UG/L	3406-MW04D	29					12.1000**
Nickel, total	UG/L	3406-MW04D	30					50.0000**
Selenium, total	UG/L	3406-MW04D	30					20.0000**
Silver, total	UG/L	3406-MW04D	30					10.0000**
Thallium, total	UG/L	3406-MW04D	30					10.0000**

* - 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
Vanadium, total	UG/L	3406-MW04D	30					120.0000**
Zinc, total	UG/L	3406-MW04D	32	60.7188	41.9856	60.7188	60.7188	228.6613
Antimony, total	UG/L	3406-MW05	34					30.0000**
Arsenic, total	UG/L	3406-MW05	40					11.9000**
Barium, total	UG/L	3406-MW05	40	258.3725	244.7103	258.3725	258.3725	1237.2139
Beryllium, total	UG/L	3406-MW05	32					2.0000**
Cadmium, total	UG/L	3406-MW05	43					1.0000**
Chromium, total	UG/L	3406-MW05	40	8.7550	2.2721	8.7550	8.7550	17.8435
Cobalt, total	UG/L	3406-MW05	32					10.0000**
Copper, total	UG/L	3406-MW05	40					200.0000**
Lead, total	UG/L	3406-MW05	40					10.0000**
Nickel, total	UG/L	3406-MW05	32					50.0000**
Selenium, total	UG/L	3406-MW05	40					20.0000**
Silver, total	UG/L	3406-MW05	40					10.0000**
Thallium, total	UG/L	3406-MW05	32					10.0000**
Vanadium, total	UG/L	3406-MW05	32	32.4281	13.4890	32.4281	32.4281	86.3842
Zinc, total	UG/L	3406-MW05	40					110.0000**
Antimony, total	UG/L	3406-MW06	34					30.0000**
Arsenic, total	UG/L	3406-MW06	32					10.0000**
Barium, total	UG/L	3406-MW06	32	326.7875	227.2577	326.7875	326.7875	1235.8183
Beryllium, total	UG/L	3406-MW06	32					2.6000**
Cadmium, total	UG/L	3406-MW06	35					1.0000**
Chromium, total	UG/L	3406-MW06	32					10.0000**
Cobalt, total	UG/L	3406-MW06	32					10.0000**
Copper, total	UG/L	3406-MW06	32					200.0000**
Lead, total	UG/L	3406-MW06	32					10.0000**
Nickel, total	UG/L	3406-MW06	32					50.0000**
Selenium, total	UG/L	3406-MW06	32					20.0000**
Silver, total	UG/L	3406-MW06	32					10.0000**
Thallium, total	UG/L	3406-MW06	32					10.0000**
Vanadium, total	UG/L	3406-MW06	32					45.6000**
Zinc, total	UG/L	3406-MW06	32					310.0000**
Antimony, total	UG/L	3406-MW07	31					30.0000**
Arsenic, total	UG/L	3406-MW07	31					10.6000**
Barium, total	UG/L	3406-MW07	31	325.8484	238.7327	325.8484	325.8484	1280.7792
Beryllium, total	UG/L	3406-MW07	31					2.0000**
Cadmium, total	UG/L	3406-MW07	31					1.0000**
Chromium, total	UG/L	3406-MW07	31	8.1129	3.2502	8.1129	8.1129	21.1137
Cobalt, total	UG/L	3406-MW07	31					10.0000**
Copper, total	UG/L	3406-MW07	31					200.0000**
Lead, total	UG/L	3406-MW07	31					10.0000**
Nickel, total	UG/L	3406-MW07	31					50.0000**
Selenium, total	UG/L	3406-MW07	31					20.0000**
Silver, total	UG/L	3406-MW07	30					10.0000**
Thallium, total	UG/L	3406-MW07	31					10.0000**
Vanadium, total	UG/L	3406-MW07	31					40.0000**
Zinc, total	UG/L	3406-MW07	31					50.0000**
Antimony, total	UG/L	3406-MW08	32					30.0000**
Arsenic, total	UG/L	3406-MW08	32					11.3000**
Barium, total	UG/L	3406-MW08	31	351.3194	193.7703	351.3194	351.3194	1126.4007
Beryllium, total	UG/L	3406-MW08	31					2.0000**
Cadmium, total	UG/L	3406-MW08	32					1.3000**
Chromium, total	UG/L	3406-MW08	31					11.5000**
Cobalt, total	UG/L	3406-MW08	35	12.0286	3.7626	12.0286	12.0286	27.0791
Copper, total	UG/L	3406-MW08	31					200.0000**
Lead, total	UG/L	3406-MW08	30					10.0000**
Nickel, total	UG/L	3406-MW08	31					50.0000**
Selenium, total	UG/L	3406-MW08	31					20.0000**
Silver, total	UG/L	3406-MW08	31					11.6000**
Thallium, total	UG/L	3406-MW08	32					10.0000**
Vanadium, total	UG/L	3406-MW08	32					40.0000**
Zinc, total	UG/L	3406-MW08	31					79.1000**
Antimony, total	UG/L	3406-MW09R	29					30.0000**
Arsenic, total	UG/L	3406-MW09R	29					10.0000**
Barium, total	UG/L	3406-MW09R	29	354.6345	221.0560	354.6345	354.6345	1238.8583
Beryllium, total	UG/L	3406-MW09R	29					2.0000**
Cadmium, total	UG/L	3406-MW09R	29					1.0000**
Chromium, total	UG/L	3406-MW09R	29					49.9000**
Cobalt, total	UG/L	3406-MW09R	33					18.2000**
Copper, total	UG/L	3406-MW09R	29					200.0000**
Lead, total	UG/L	3406-MW09R	29					10.0000**
Nickel, total	UG/L	3406-MW09R	29					50.0000**
Selenium, total	UG/L	3406-MW09R	29					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
Silver, total	UG/L	3406-MW09R	29					10.0000**
Thallium, total	UG/L	3406-MW09R	29					10.0000**
Vanadium, total	UG/L	3406-MW09R	30					106.0000**
Zinc, total	UG/L	3406-MW09R	29					87.9000**
Antimony, total	UG/L	3406-MW10	30					30.0000**
Arsenic, total	UG/L	3406-MW10	30					10.0000**
Barium, total	UG/L	3406-MW10	30	337.1367	234.2942	337.1367	337.1367	1274.3136
Beryllium, total	UG/L	3406-MW10	30					2.0000**
Cadmium, total	UG/L	3406-MW10	30					1.0000**
Chromium, total	UG/L	3406-MW10	32	9.4469	3.9587	9.4469	9.4469	25.2815
Cobalt, total	UG/L	3406-MW10	30					13.3000**
Copper, total	UG/L	3406-MW10	30					200.0000**
Lead, total	UG/L	3406-MW10	30					10.0000**
Nickel, total	UG/L	3406-MW10	30					50.0000**
Selenium, total	UG/L	3406-MW10	30					20.0000**
Silver, total	UG/L	3406-MW10	30					10.0000**
Thallium, total	UG/L	3406-MW10	30					10.0000**
Vanadium, total	UG/L	3406-MW10	30					40.0000**
Zinc, total	UG/L	3406-MW10	30					50.0000**
Antimony, total	UG/L	3406-MW11	30					30.0000**
Arsenic, total	UG/L	3406-MW11	30					10.0000**
Barium, total	UG/L	3406-MW11	30	362.6900	213.5426	362.6900	362.6900	1216.8606
Beryllium, total	UG/L	3406-MW11	30					2.0000**
Cadmium, total	UG/L	3406-MW11	30					1.0000**
Chromium, total	UG/L	3406-MW11	30					10.0000**
Cobalt, total	UG/L	3406-MW11	30					10.0000**
Copper, total	UG/L	3406-MW11	30					200.0000**
Lead, total	UG/L	3406-MW11	30					10.0000**
Nickel, total	UG/L	3406-MW11	30					50.0000**
Selenium, total	UG/L	3406-MW11	30					20.0000**
Silver, total	UG/L	3406-MW11	30					10.0000**
Thallium, total	UG/L	3406-MW11	30					10.0000**
Vanadium, total	UG/L	3406-MW11	30					40.0000**
Zinc, total	UG/L	3406-MW11	30	38.9300	17.3048	38.9300	38.9300	108.1493
Antimony, total	UG/L	3406-MW11D	30					30.0000**
Arsenic, total	UG/L	3406-MW11D	30					10.0000**
Barium, total	UG/L	3406-MW11D	30	385.7000	181.2794	385.7000	385.7000	1110.8175
Beryllium, total	UG/L	3406-MW11D	30					2.4000**
Cadmium, total	UG/L	3406-MW11D	30					1.4000**
Chromium, total	UG/L	3406-MW11D	32	13.4719	11.5017	13.4719	13.4719	59.4786
Cobalt, total	UG/L	3406-MW11D	29					23.1000**
Copper, total	UG/L	3406-MW11D	31	176.7387	60.3438	176.7387	176.7387	418.1141
Lead, total	UG/L	3406-MW11D	30					12.7000**
Nickel, total	UG/L	3406-MW11D	30					50.0000**
Selenium, total	UG/L	3406-MW11D	30					20.0000**
Silver, total	UG/L	3406-MW11D	30					10.0000**
Thallium, total	UG/L	3406-MW11D	30					10.0000**
Vanadium, total	UG/L	3406-MW11D	31	50.2194	28.2430	50.2194	50.2194	163.1913
Zinc, total	UG/L	3406-MW11D	31	57.4968	30.7744	57.4968	57.4968	180.5944
Antimony, total	UG/L	3406-MW12	30					30.0000**
Arsenic, total	UG/L	3406-MW12	30					10.0000**
Barium, total	UG/L	3406-MW12	30	342.2200	227.3117	342.2200	342.2200	1251.4668
Beryllium, total	UG/L	3406-MW12	30					2.0000**
Cadmium, total	UG/L	3406-MW12	30					1.0000**
Chromium, total	UG/L	3406-MW12	30					10.7000**
Cobalt, total	UG/L	3406-MW12	30					11.0000**
Copper, total	UG/L	3406-MW12	30					200.0000**
Lead, total	UG/L	3406-MW12	31					25.0000**
Nickel, total	UG/L	3406-MW12	30					50.0000**
Selenium, total	UG/L	3406-MW12	30					20.0000**
Silver, total	UG/L	3406-MW12	30					10.0000**
Thallium, total	UG/L	3406-MW12	30					10.0000**
Vanadium, total	UG/L	3406-MW12	30					40.0000**
Zinc, total	UG/L	3406-MW12	30	61.3367	57.5341	61.3367	61.3367	291.4732
Antimony, total	UG/L	3406-MW12D	30					30.0000**
Arsenic, total	UG/L	3406-MW12D	30					10.0000**
Barium, total	UG/L	3406-MW12D	31	378.0581	189.4519	378.0581	378.0581	1135.8657
Beryllium, total	UG/L	3406-MW12D	30					2.6000**
Cadmium, total	UG/L	3406-MW12D	30					1.0000**
Chromium, total	UG/L	3406-MW12D	31	40.2097	68.7825	40.2097	40.2097	315.3396
Cobalt, total	UG/L	3406-MW12D	31	18.1032	21.7819	18.1032	18.1032	105.2307
Copper, total	UG/L	3406-MW12D	31	174.5032	57.9808	174.5032	174.5032	406.4263
Lead, total	UG/L	3406-MW12D	28					24.0000**

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

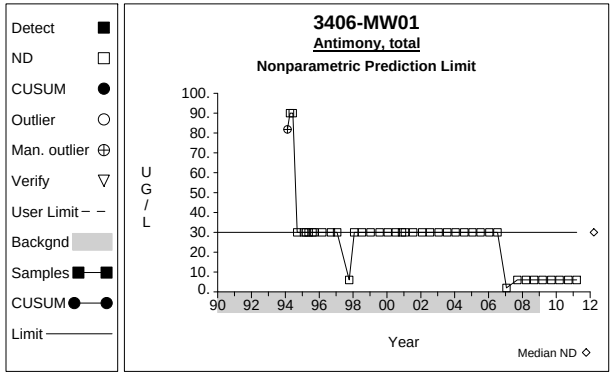
Table 1

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

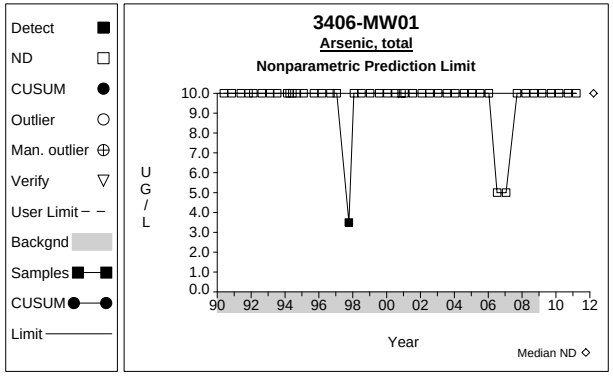
Constituent	Units	Well	N	Mean	SD	S(i-1)	S(i)	Limit
Nickel, total	UG/L	3406-MW12D	31					108.0000**
Selenium, total	UG/L	3406-MW12D	30					20.0000**
Silver, total	UG/L	3406-MW12D	30					10.0000**
Thallium, total	UG/L	3406-MW12D	30					10.0000**
Vanadium, total	UG/L	3406-MW12D	31	72.1000	84.8639	72.1000	72.1000	411.5556
Zinc, total	UG/L	3406-MW12D	31	91.9903	118.3152	91.9903	91.9903	565.2509

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

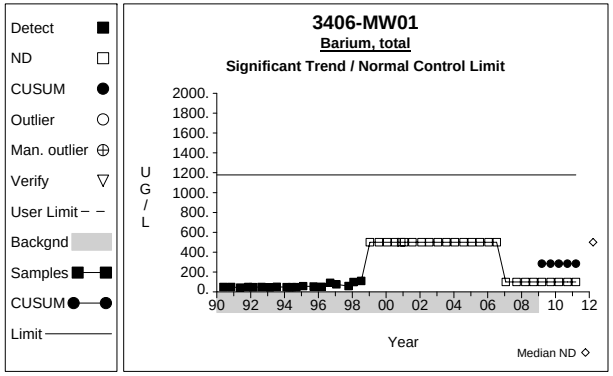
Intra-Well Control Charts



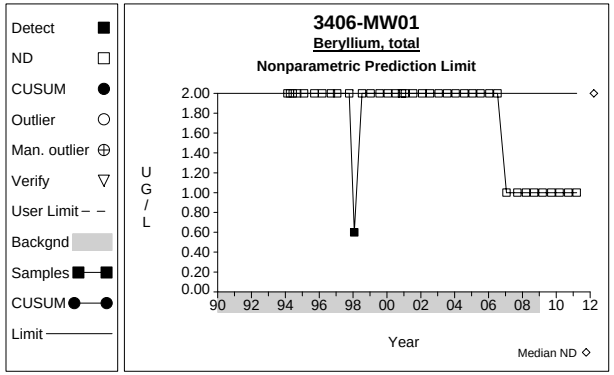
Graph 1



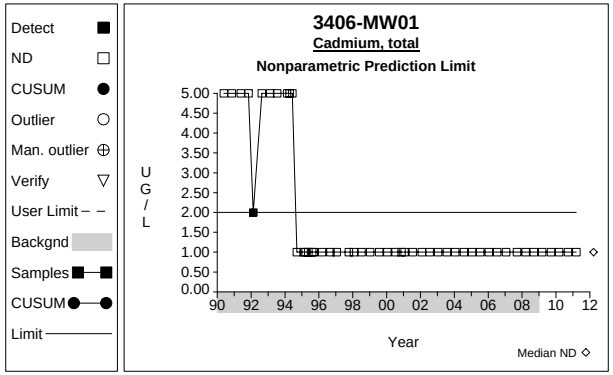
Graph 2



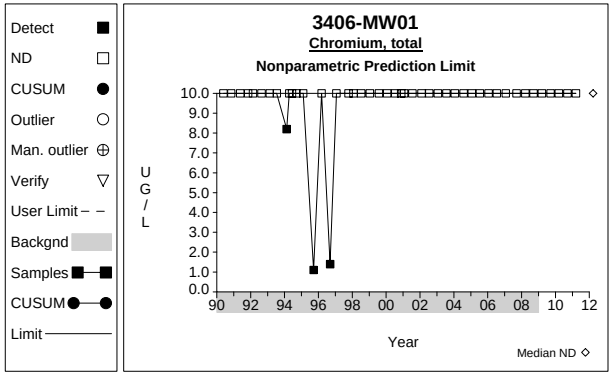
Graph 3



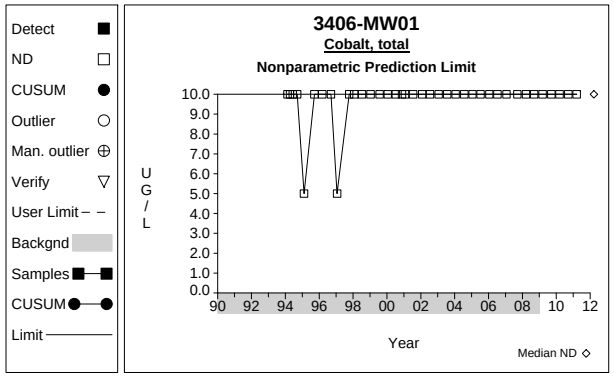
Graph 4



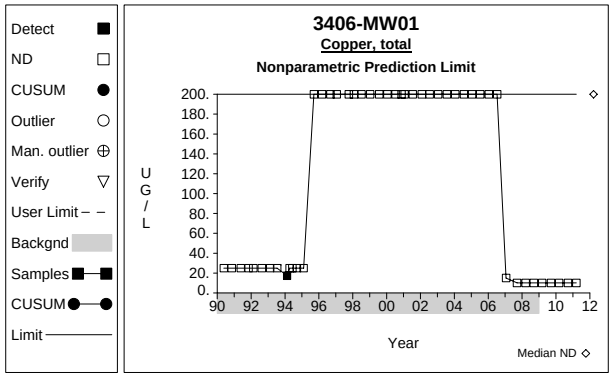
Graph 5



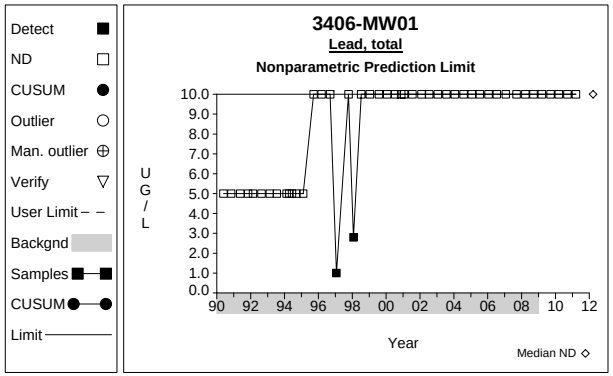
Graph 6



Graph 7

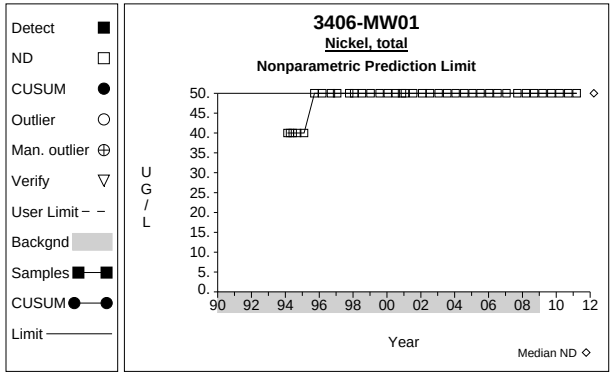


Graph 8

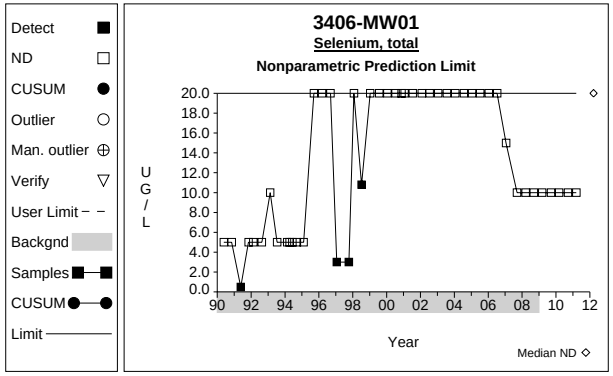


Graph 9

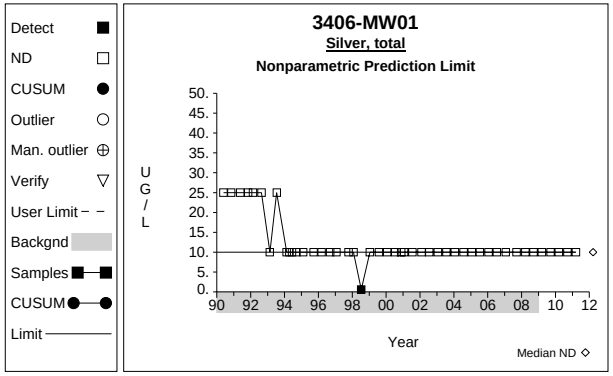
Intra-Well Control Charts



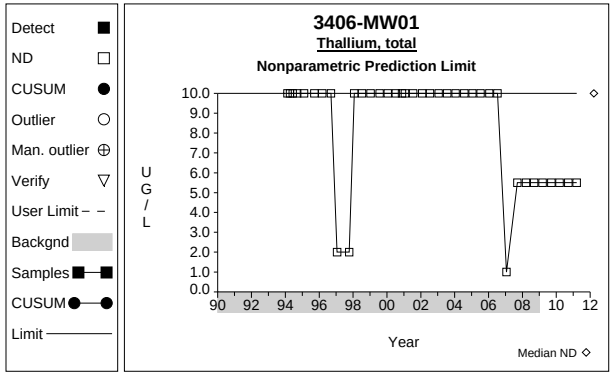
Graph 10



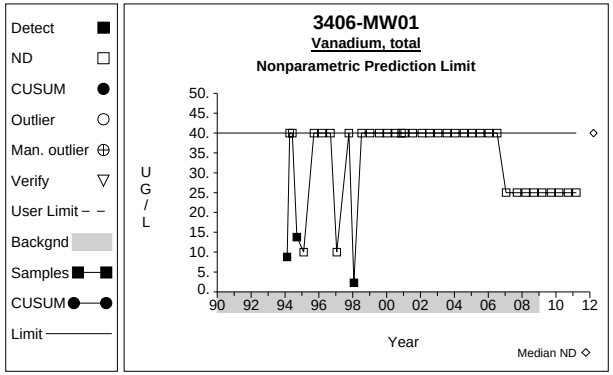
Graph 11



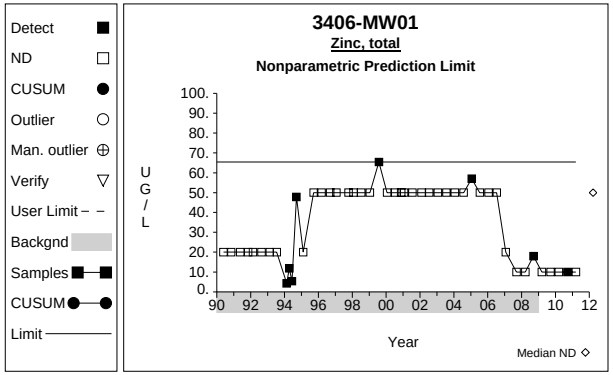
Graph 12



Graph 13

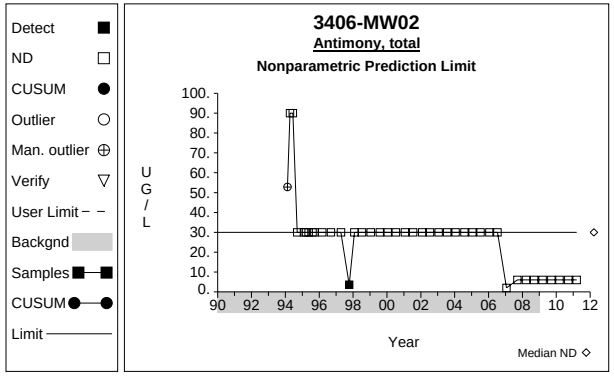


Graph 14

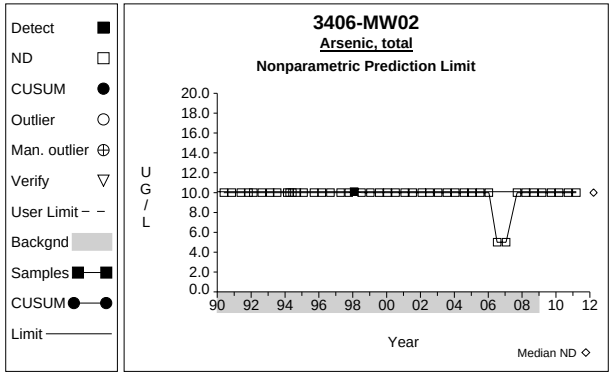


Graph 15

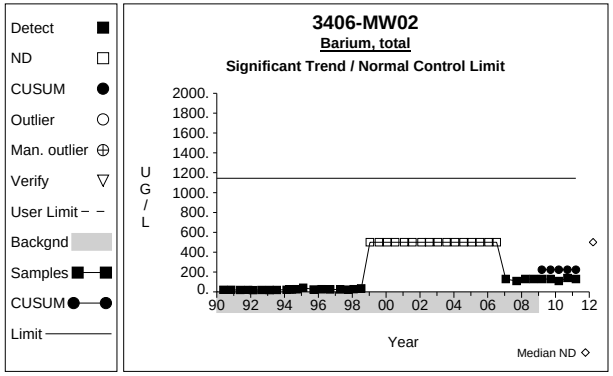
Intra-Well Control Charts



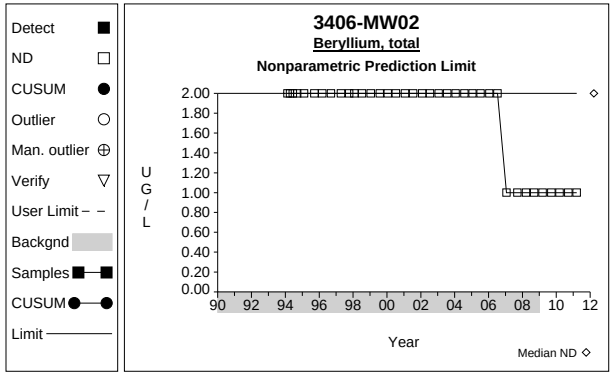
Graph 16



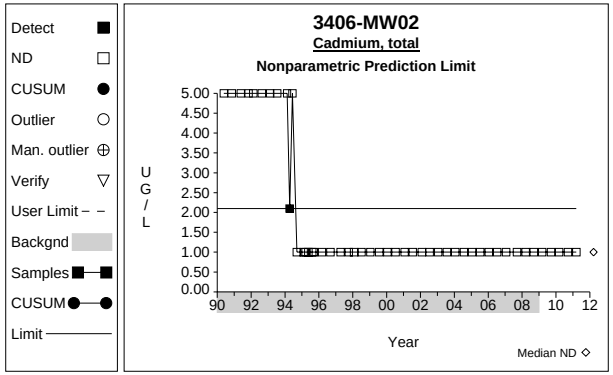
Graph 17



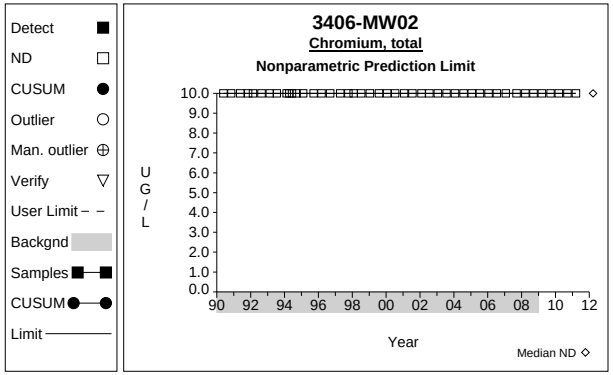
Graph 18



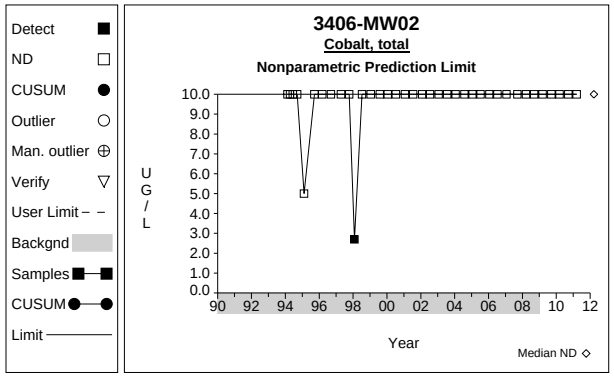
Graph 19



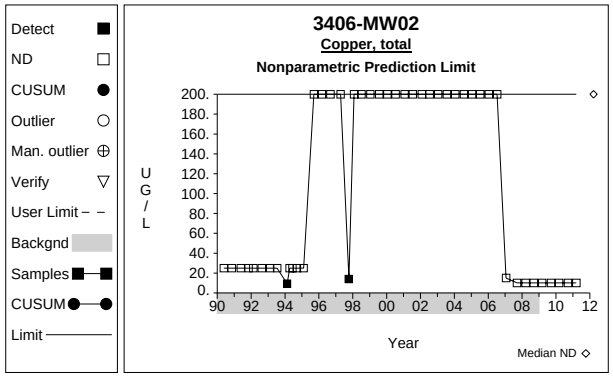
Graph 20



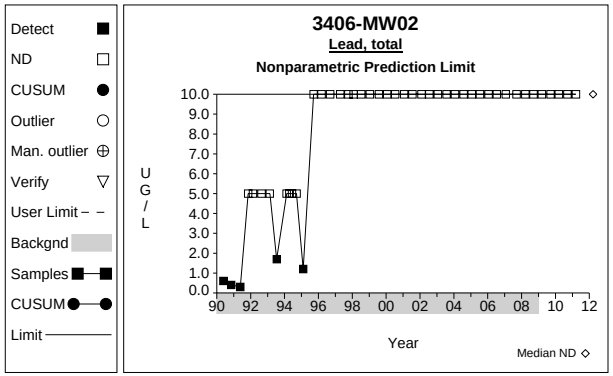
Graph 21



Graph 22

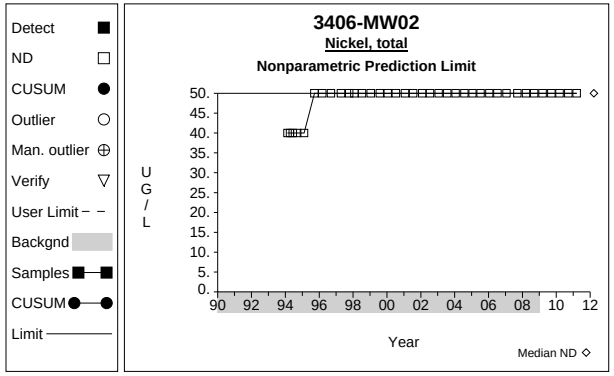


Graph 23

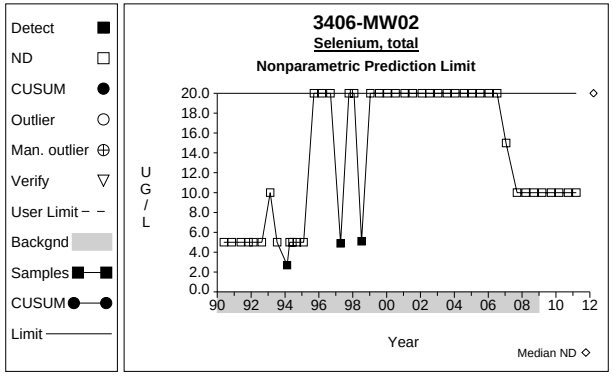


Graph 24

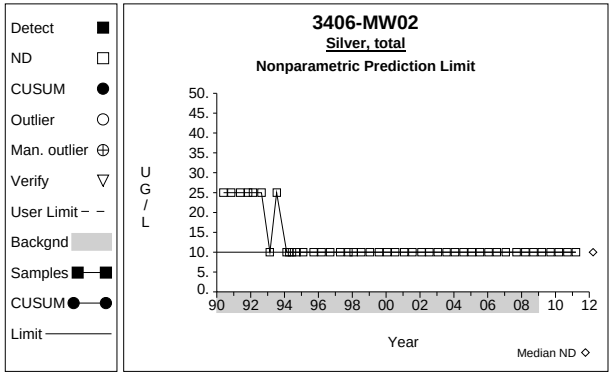
Intra-Well Control Charts



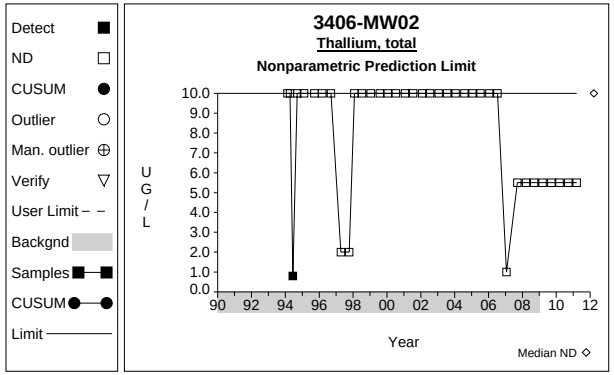
Graph 25



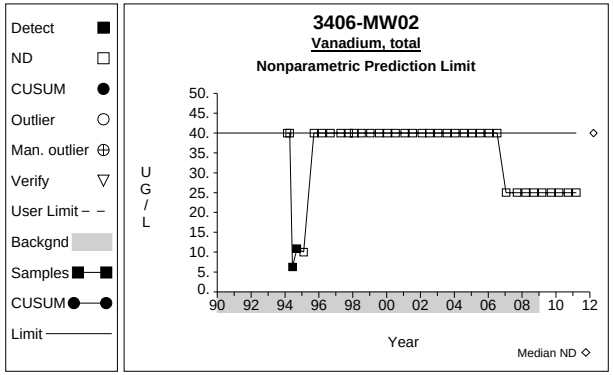
Graph 26



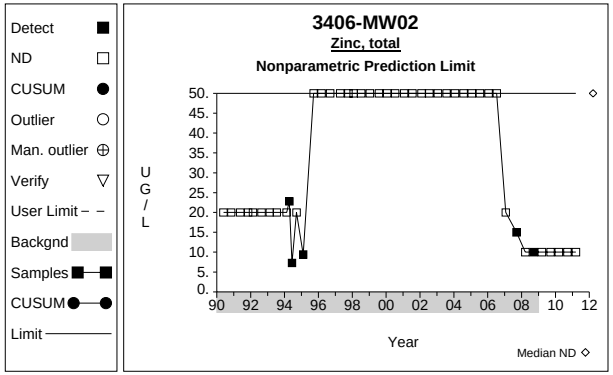
Graph 27



Graph 28

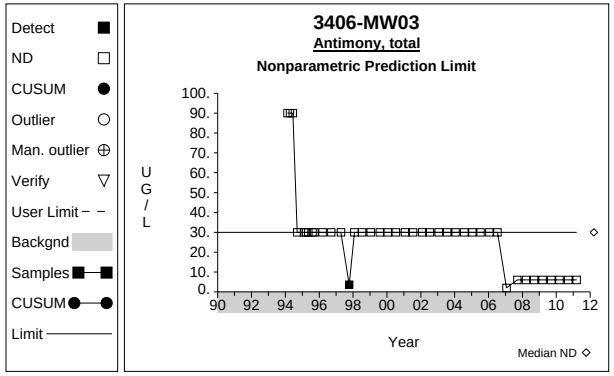


Graph 29

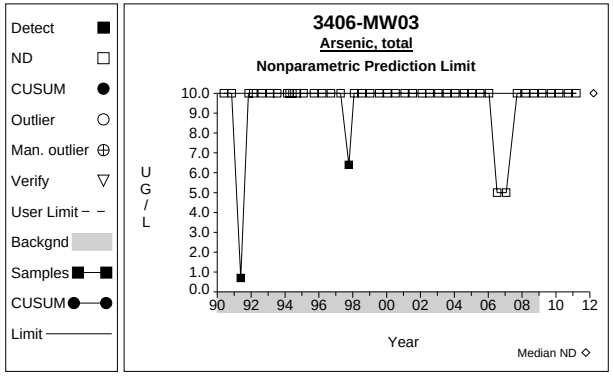


Graph 30

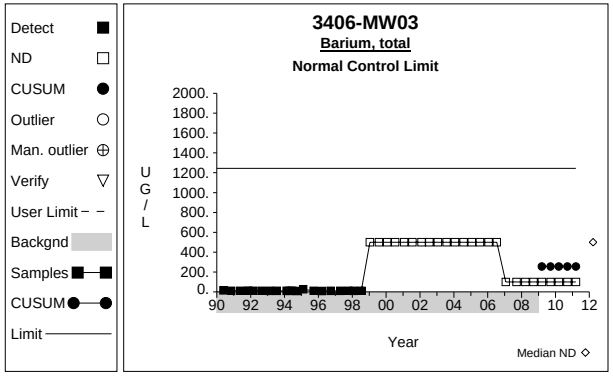
Intra-Well Control Charts



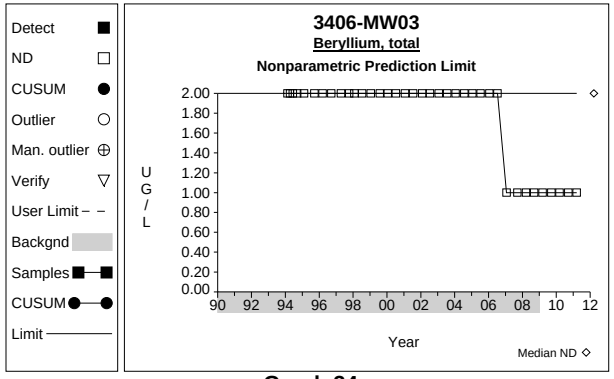
Graph 31



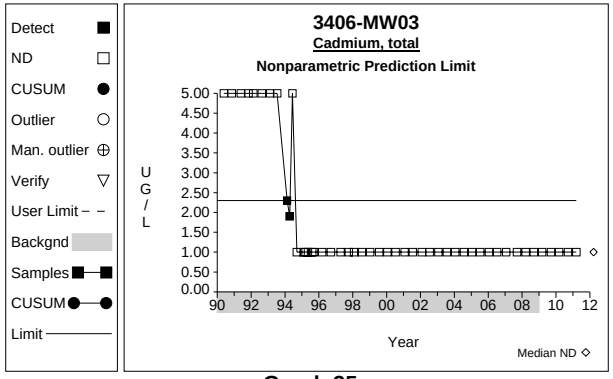
Graph 32



Graph 33



Graph 34



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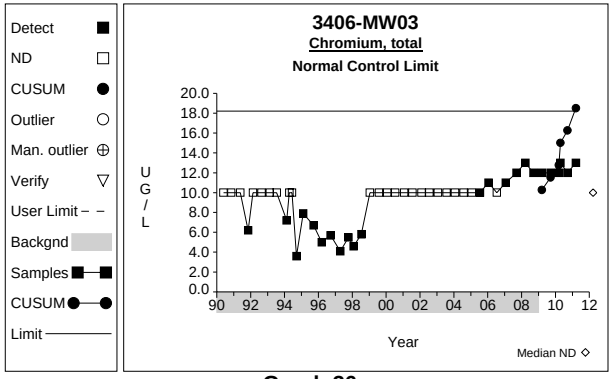
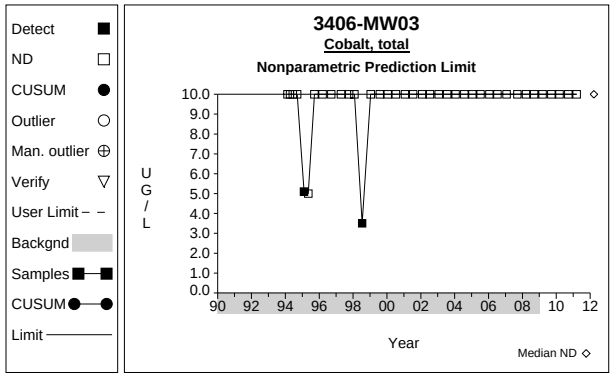
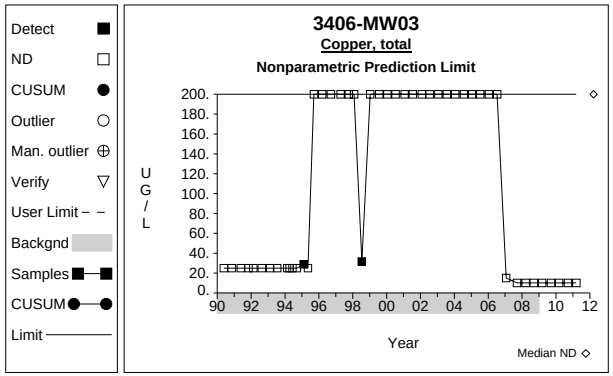


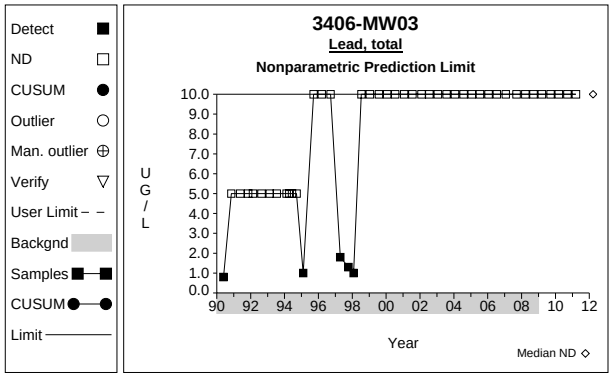
Graph 36



Graph 37

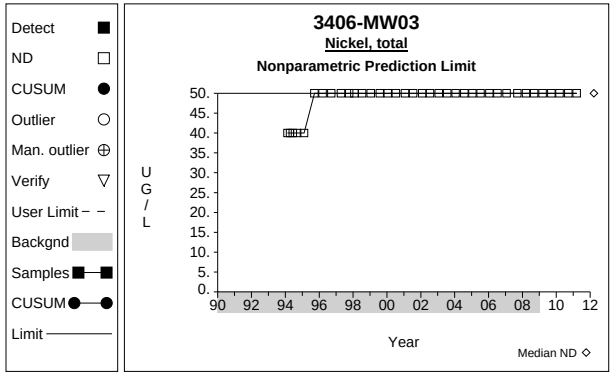


Graph 38

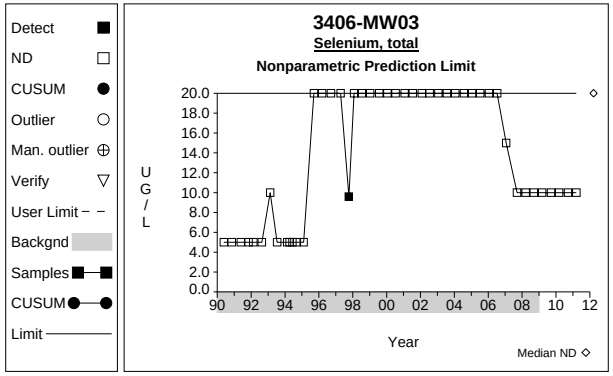


Graph 39

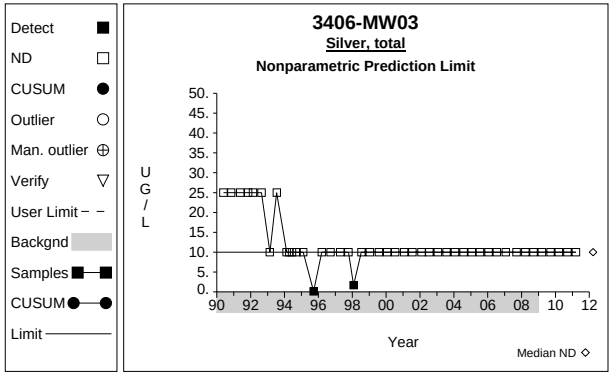
Intra-Well Control Charts



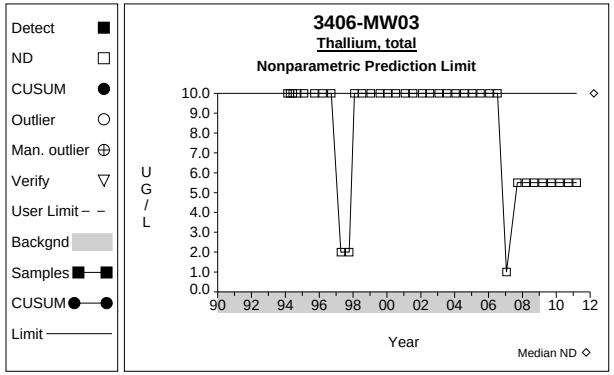
Graph 40



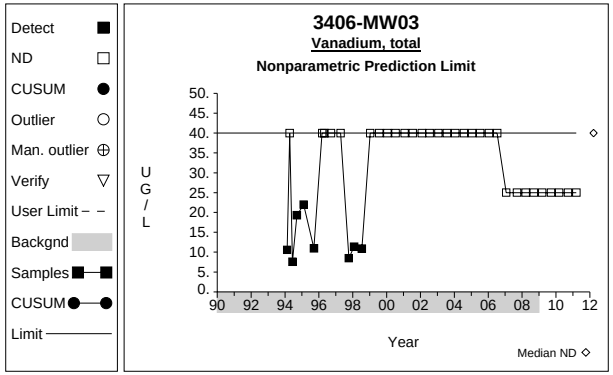
Graph 41



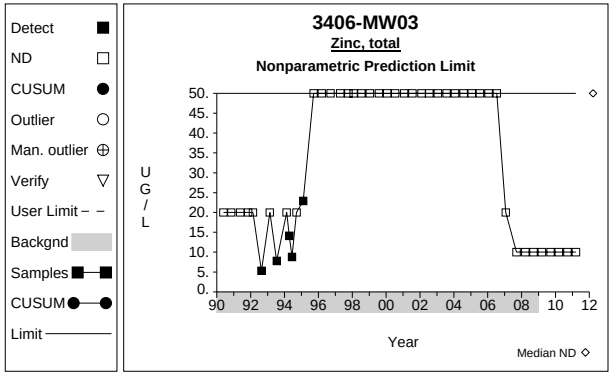
Graph 42



Graph 43

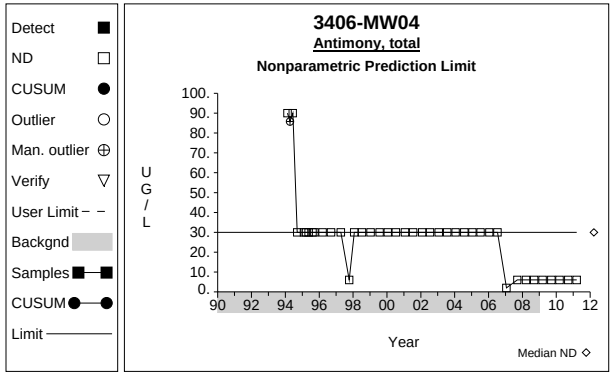


Graph 44

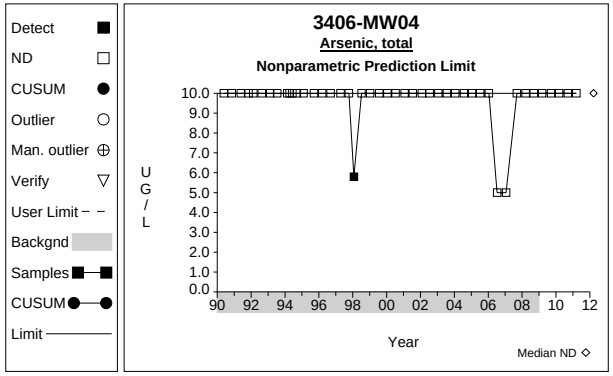


Graph 45

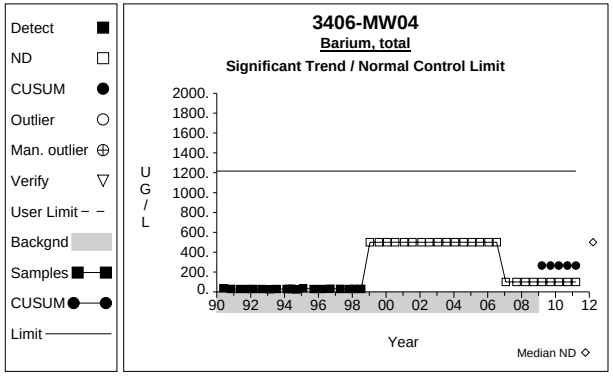
Intra-Well Control Charts



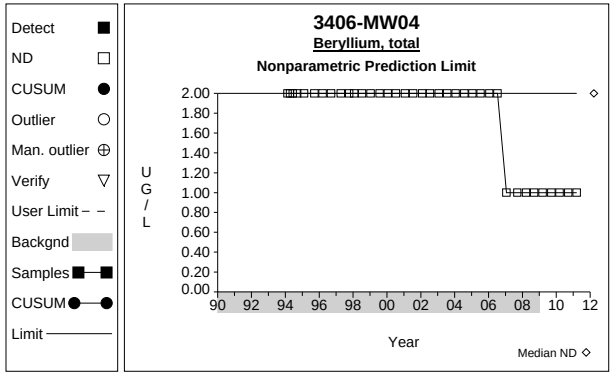
Graph 46



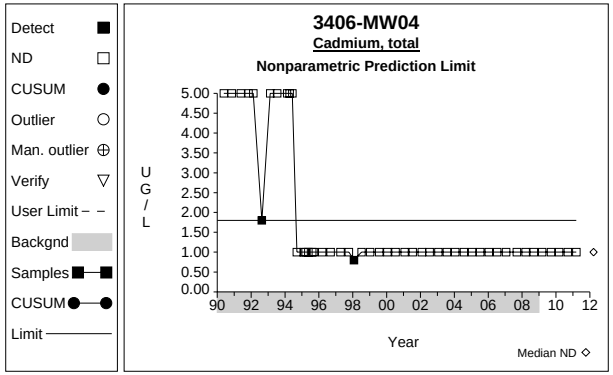
Graph 47



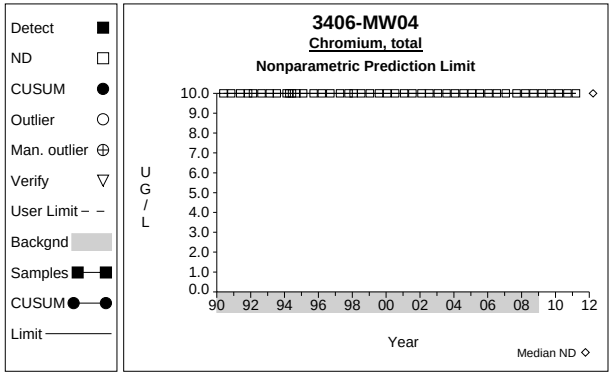
Graph 48



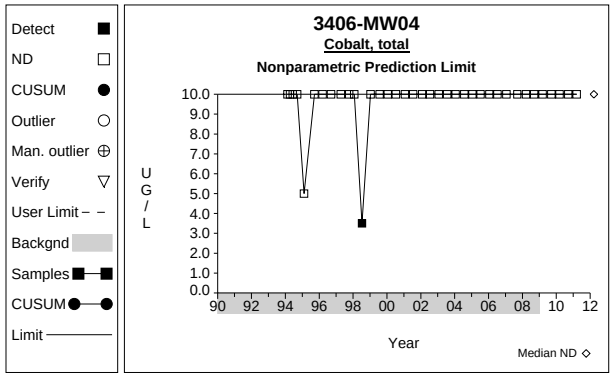
Graph 49



Graph 50



Graph 51



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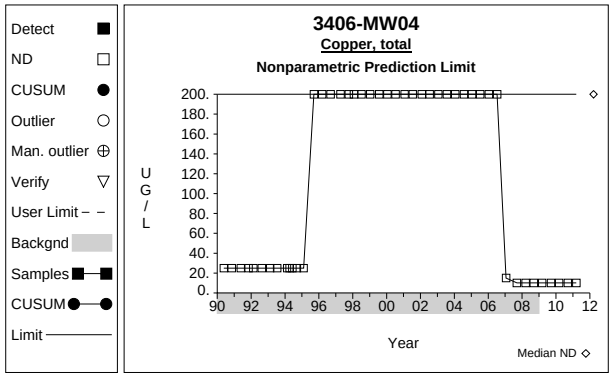
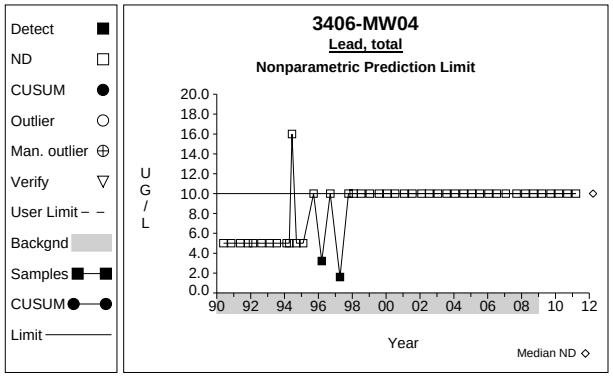
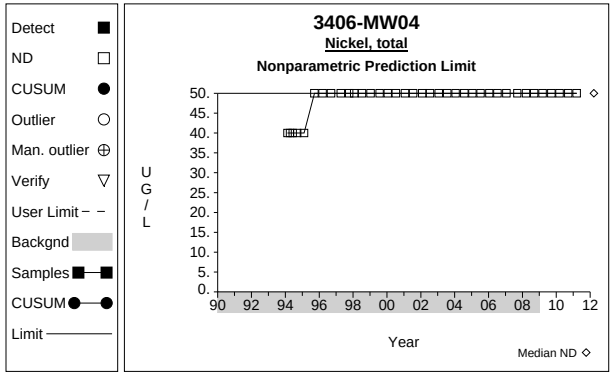


Graph 53

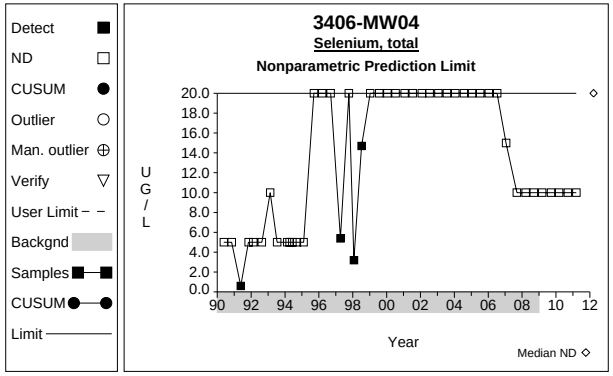


Graph 54

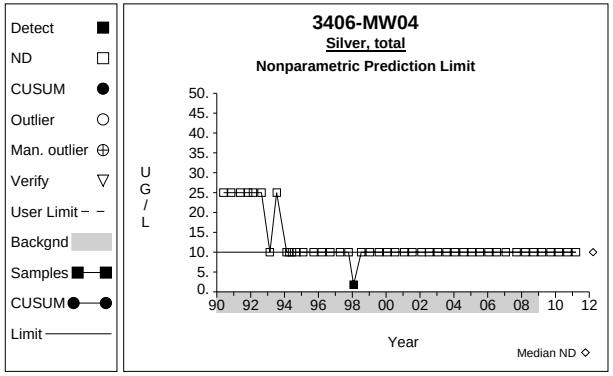
Intra-Well Control Charts



Graph 55



Graph 56



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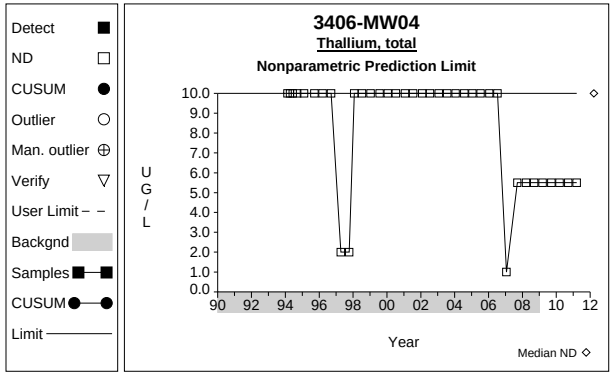
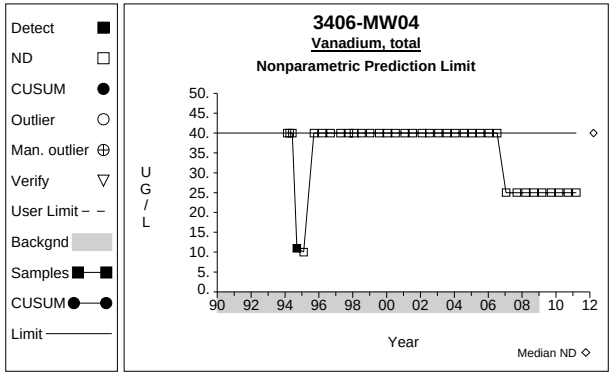
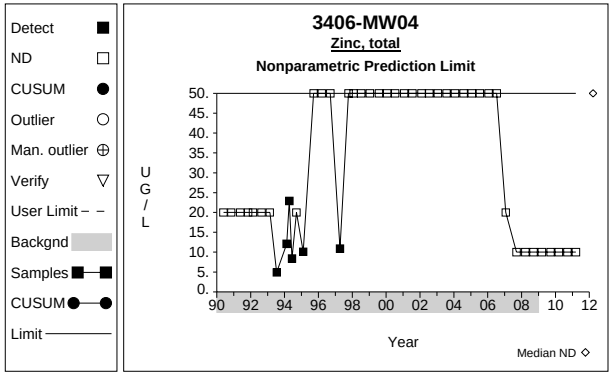


Graph 58

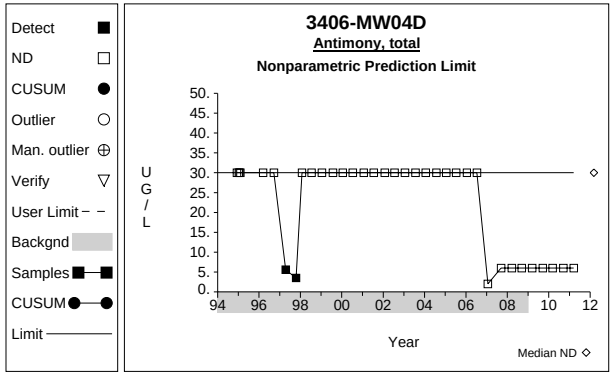


Graph 59

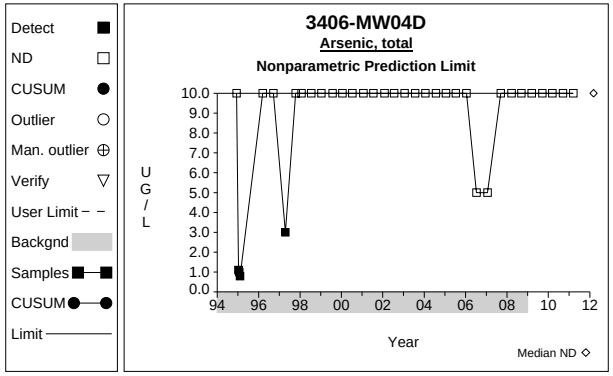


Graph 60

Intra-Well Control Charts



Graph 61



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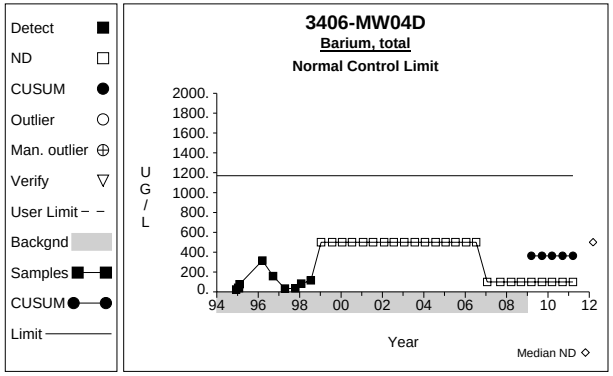
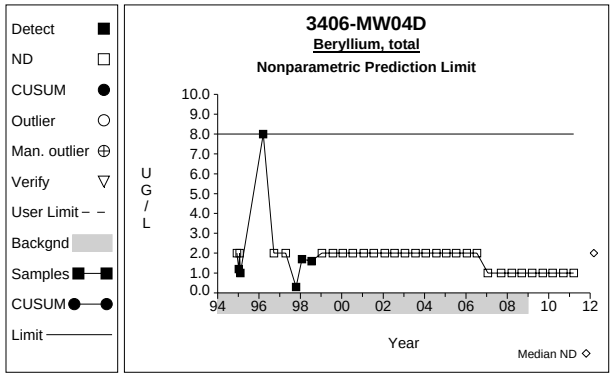


Graph 63



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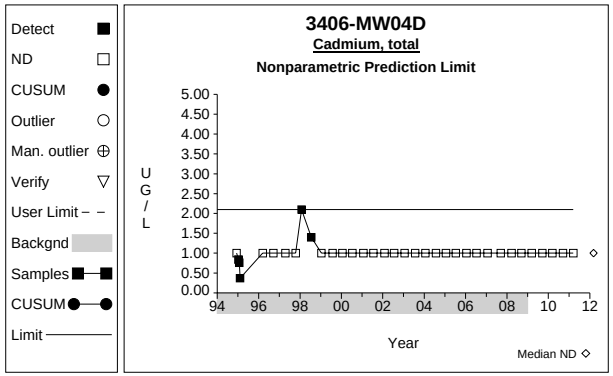

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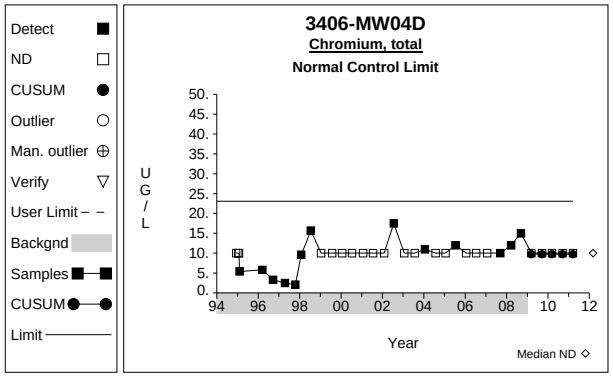

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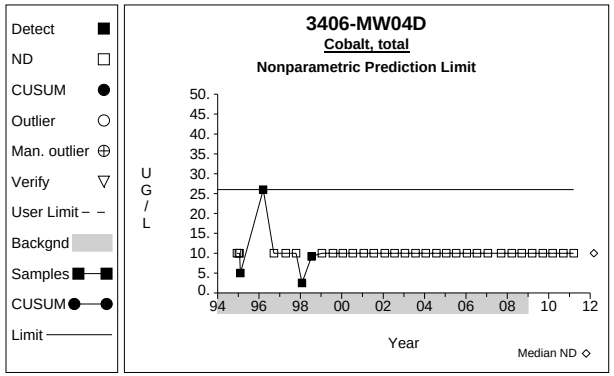

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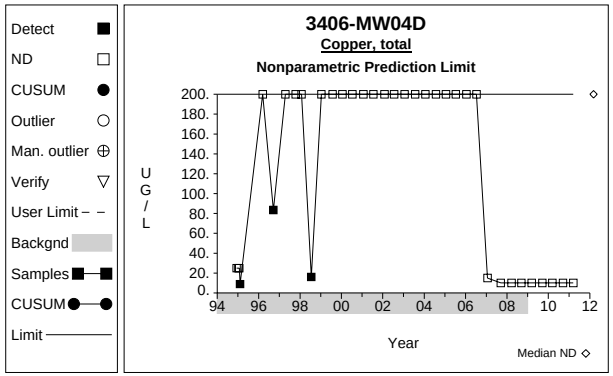

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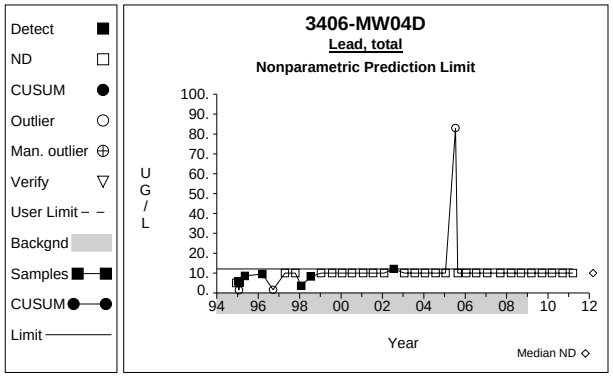
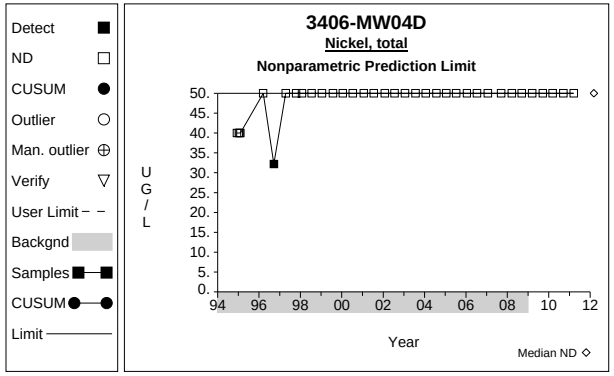


Graph 69

Intra-Well Control Charts



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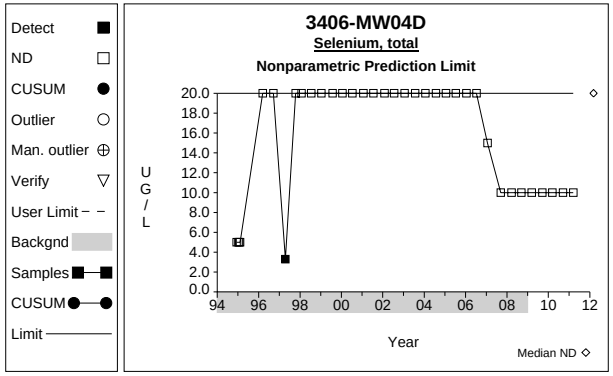

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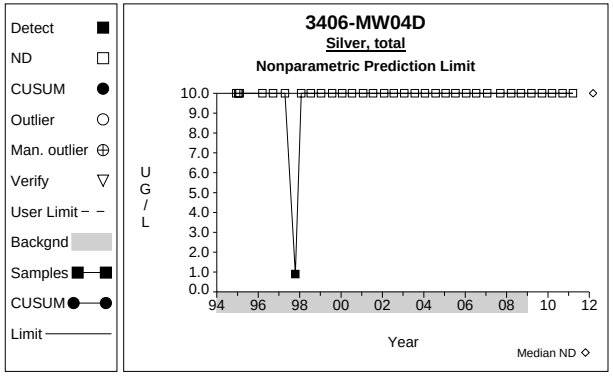

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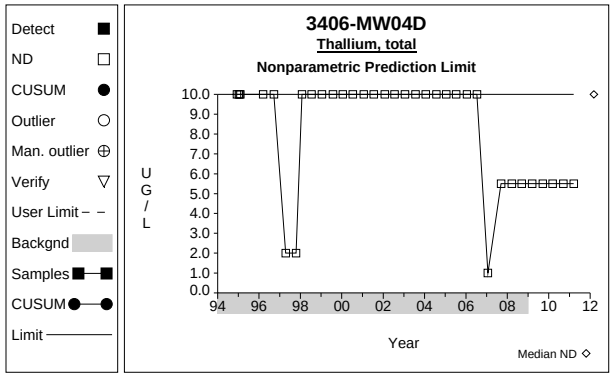

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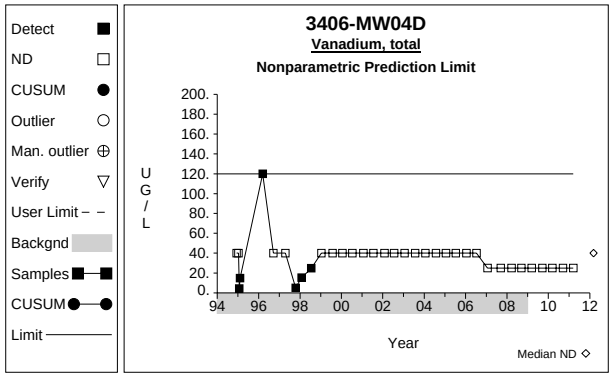

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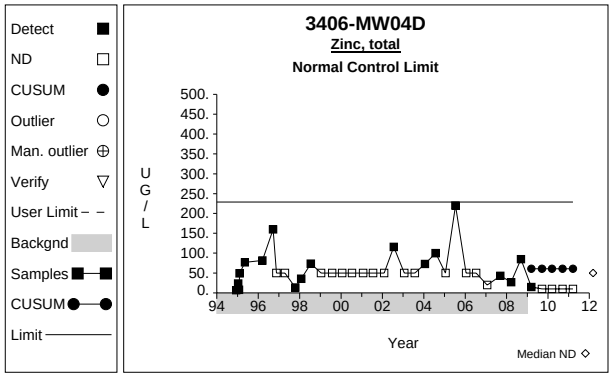
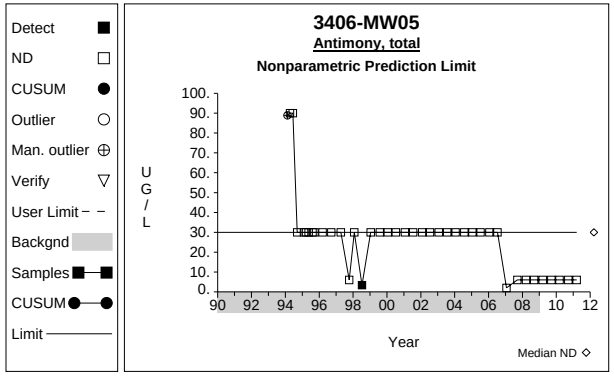


Graph 75

Intra-Well Control Charts



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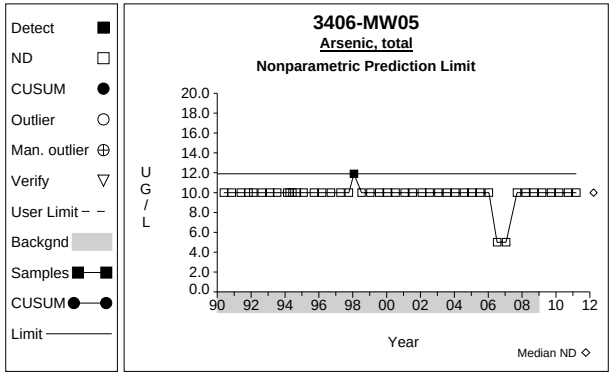

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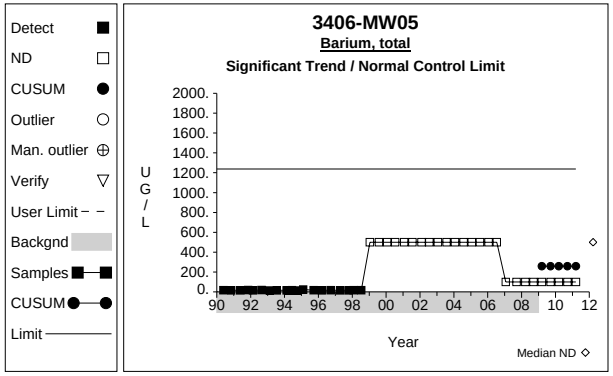

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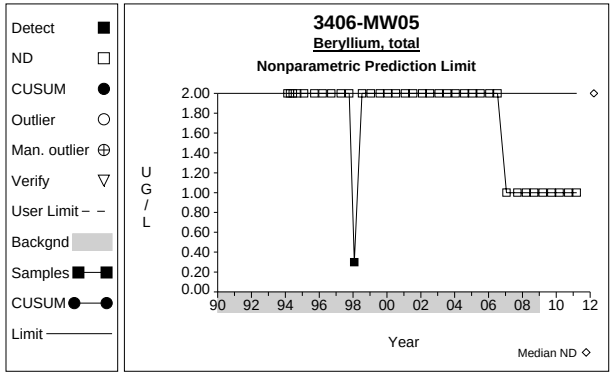

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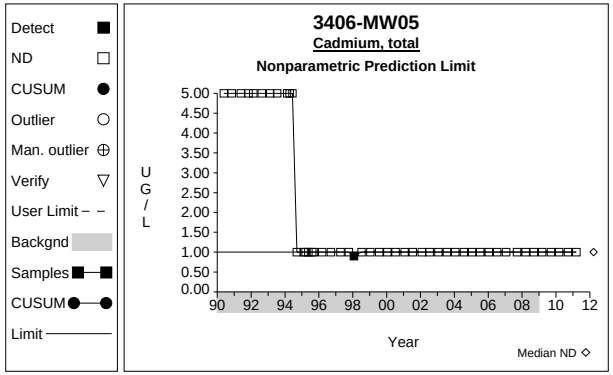

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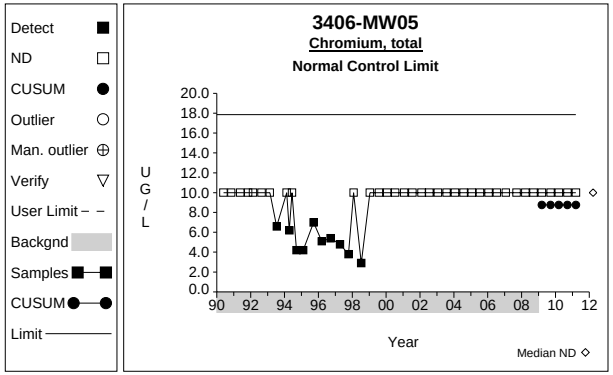

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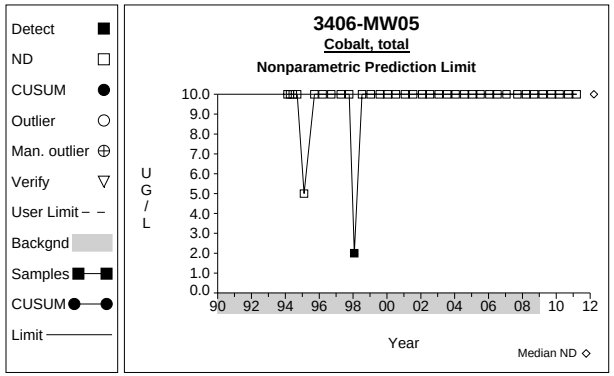
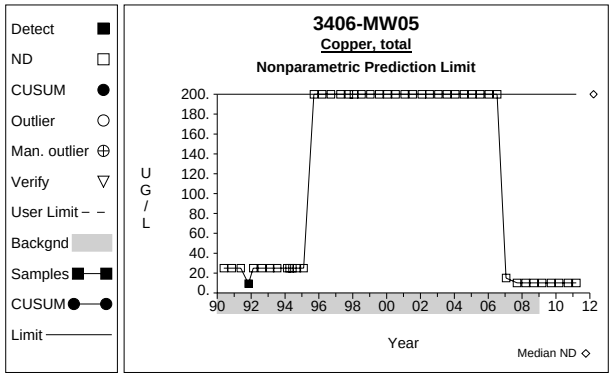
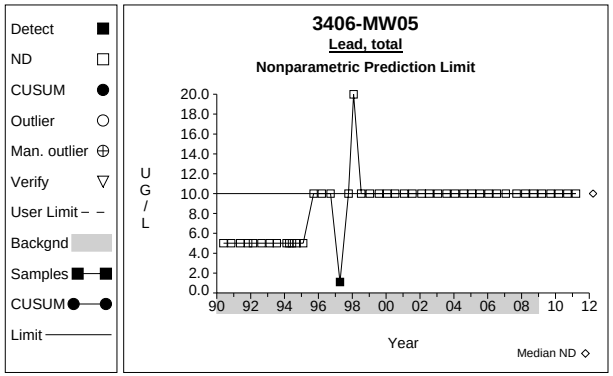


Graph 82



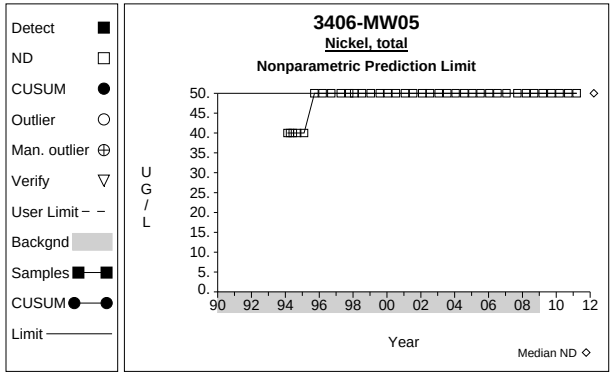
Graph 83



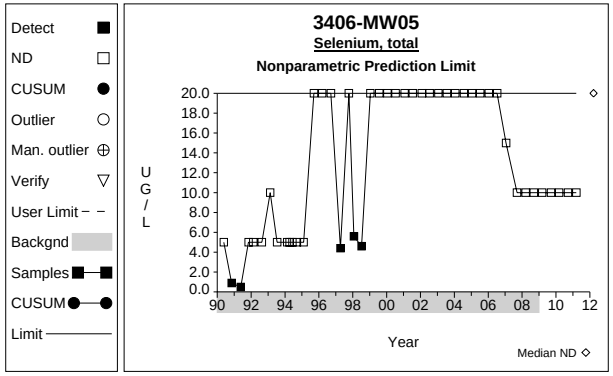
Graph 84

Prepared by: Otter Creek Environmental

Intra-Well Control Charts



Graph 85



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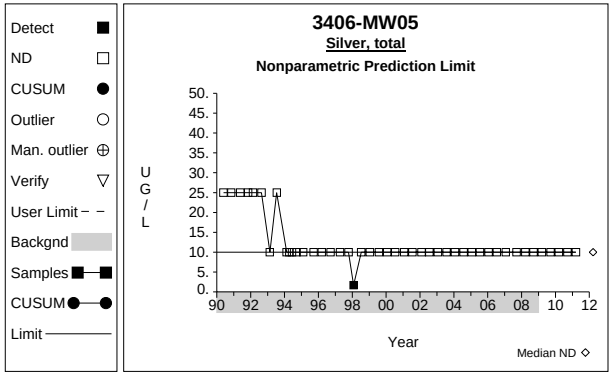
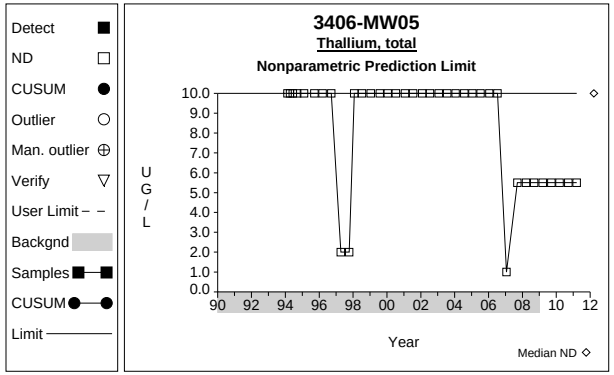


Graph 87



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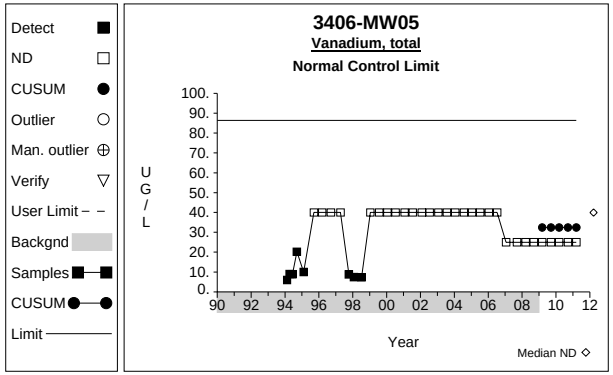

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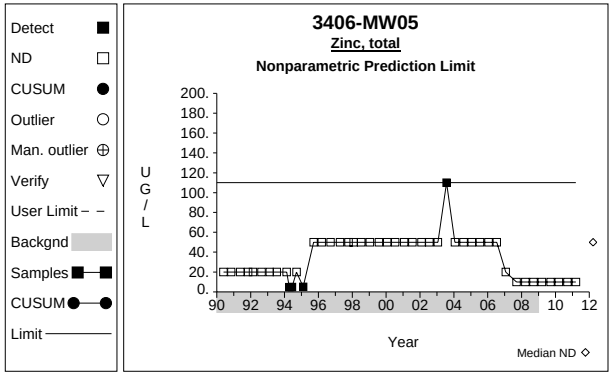
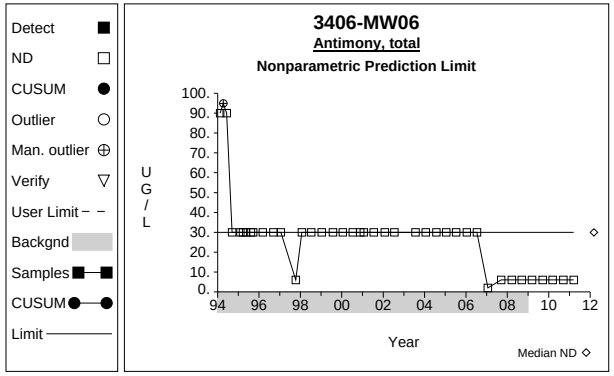


Graph 90

Intra-Well Control Charts



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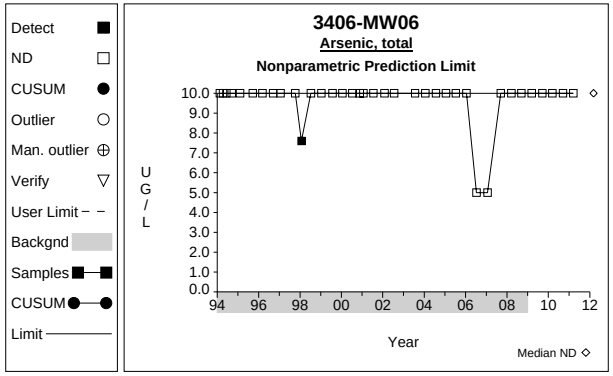

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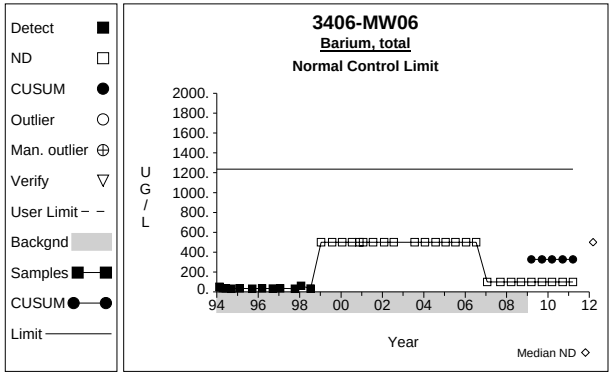

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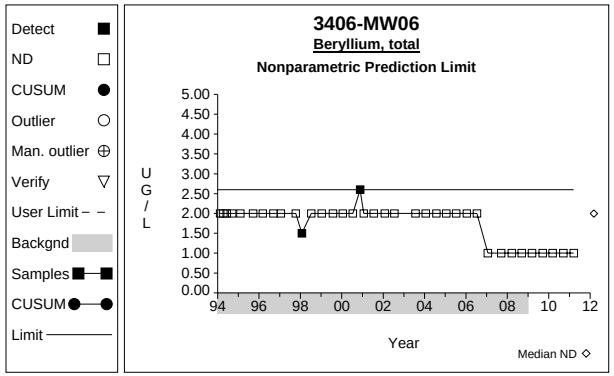

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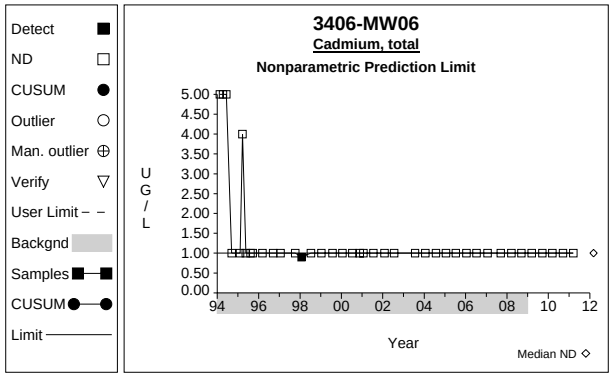

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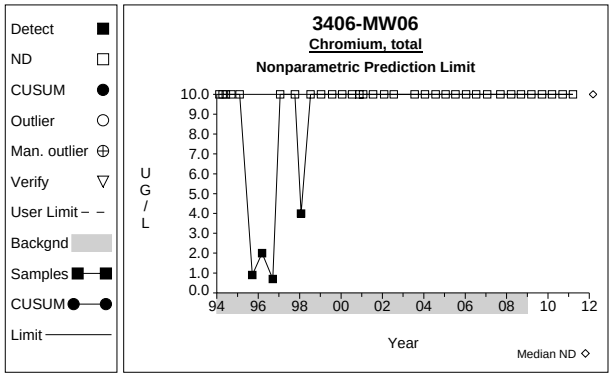

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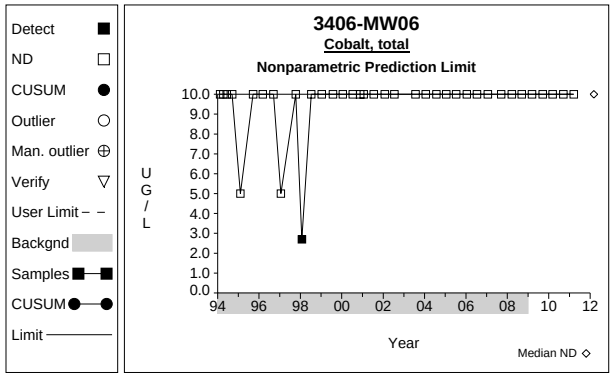

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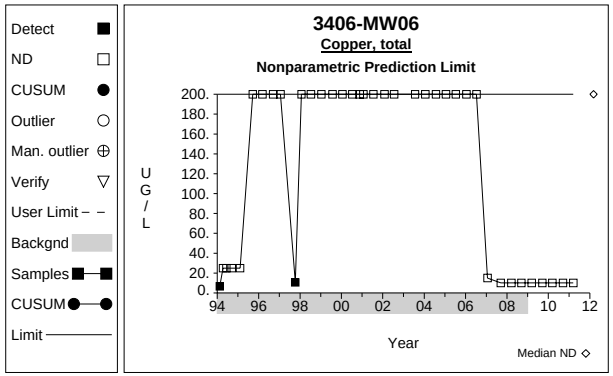

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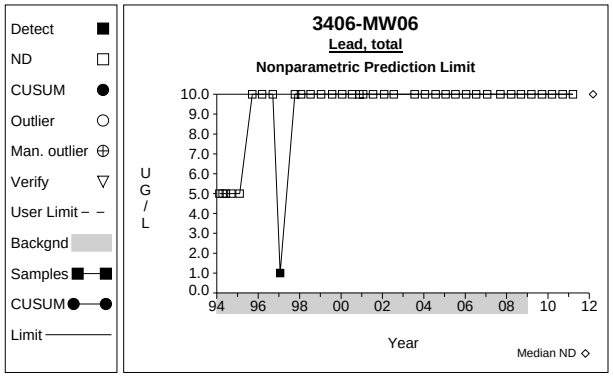
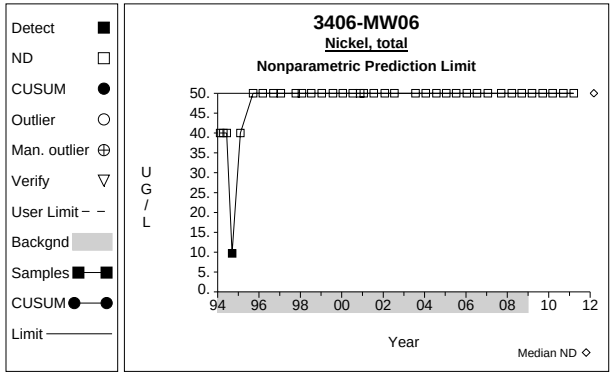
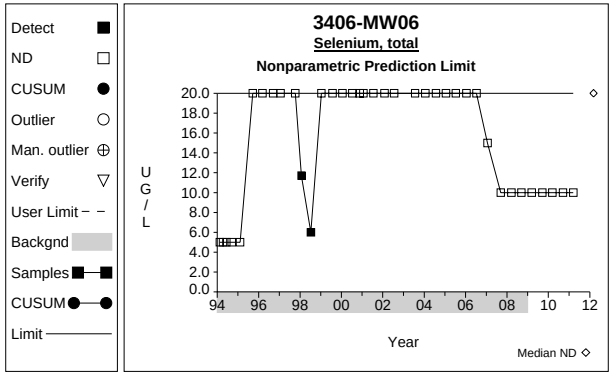


Graph 99

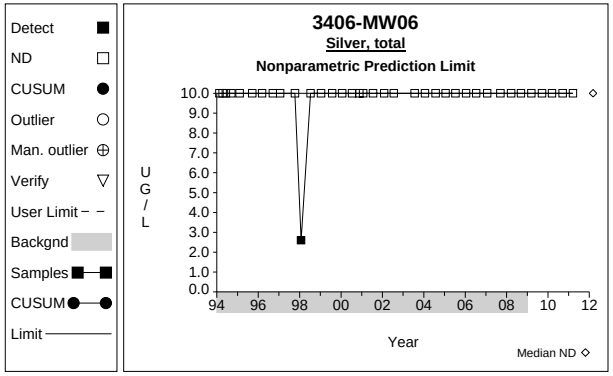
Intra-Well Control Charts



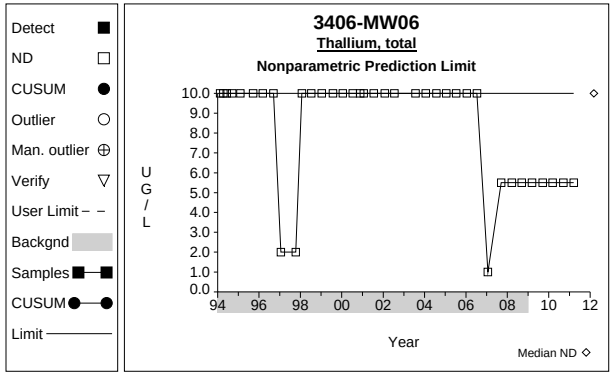
Graph 100



Graph 101



Graph 102



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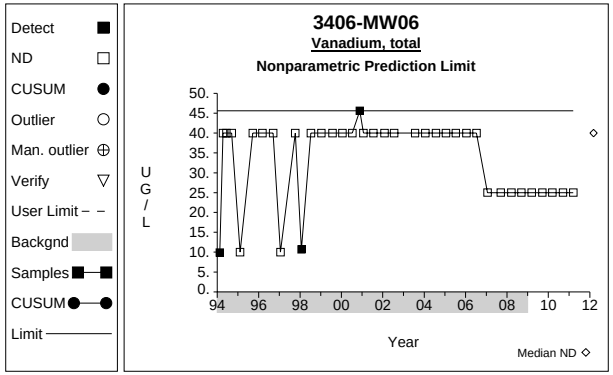
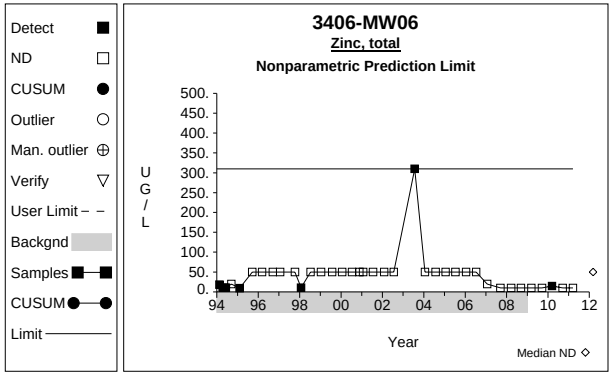
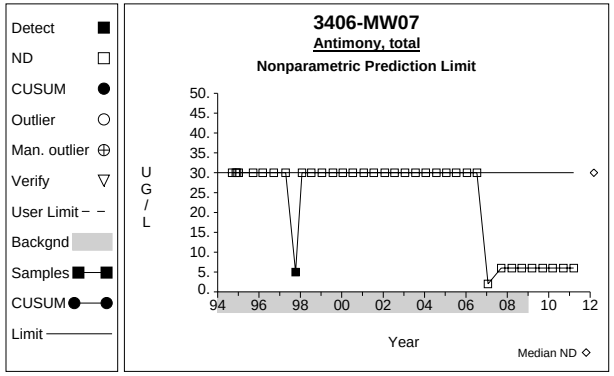


Graph 104

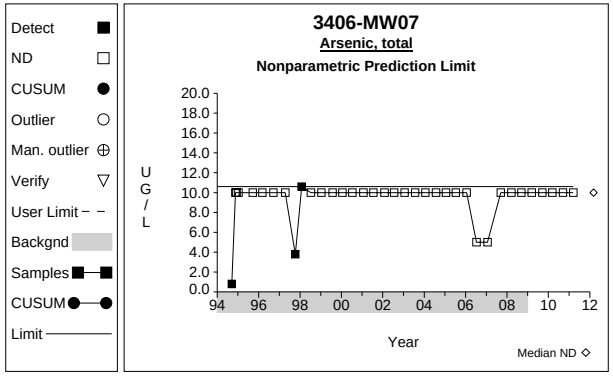


Graph 105

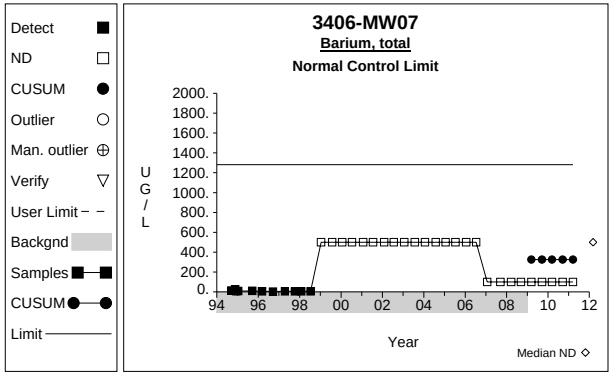
Intra-Well Control Charts



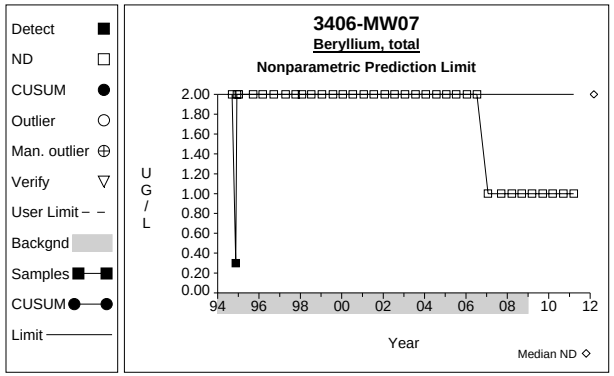
Graph 106



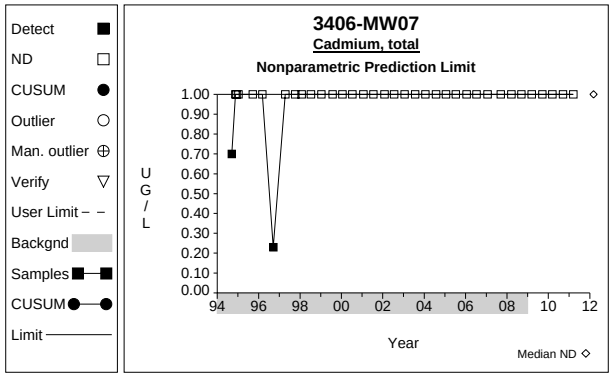
Graph 107



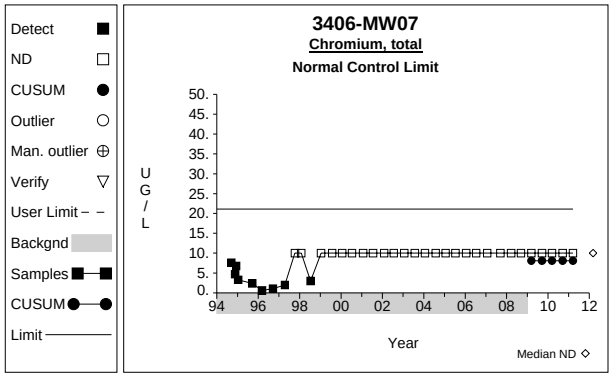
Graph 108



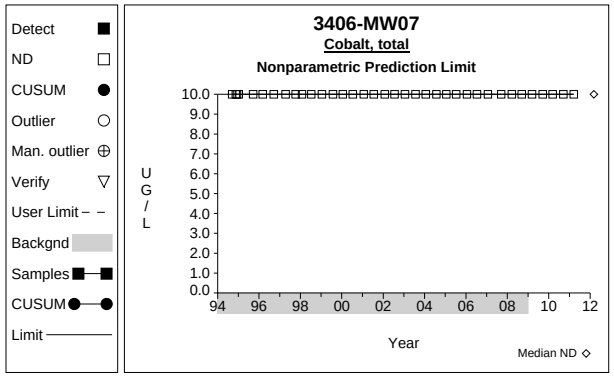
Graph 109



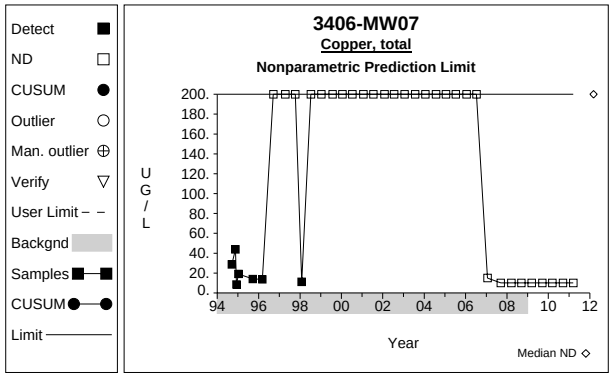
Graph 110



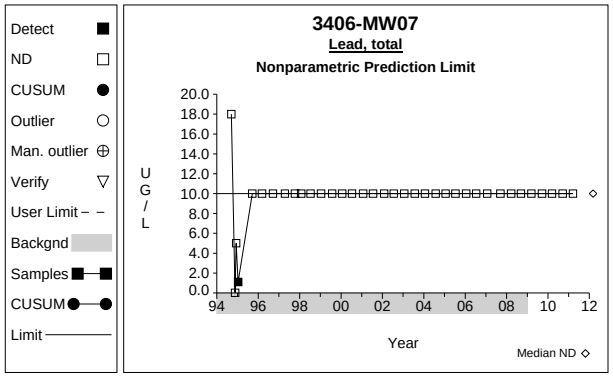
Graph 111



Graph 112



Graph 113



Graph 114

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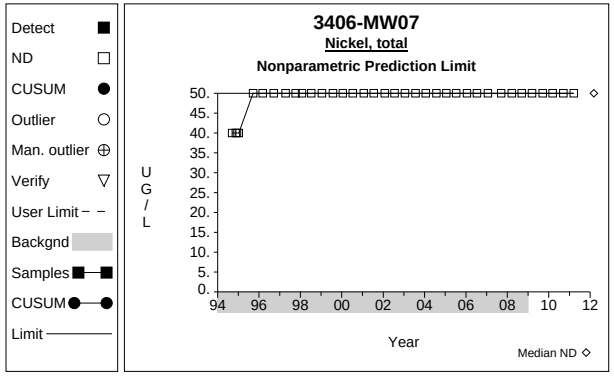
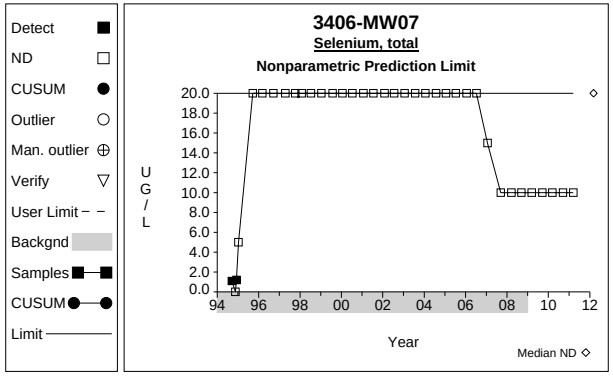
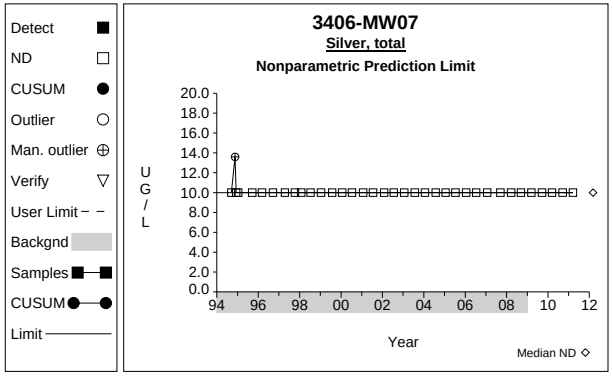
Intra-Well Control Charts



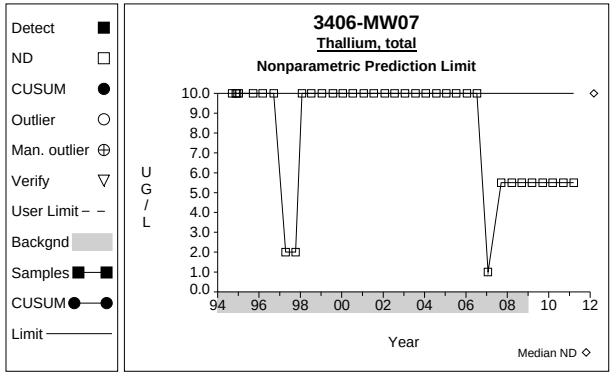
Graph 115



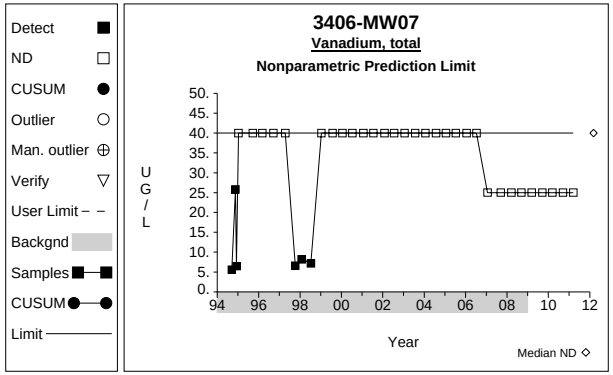
Graph 116



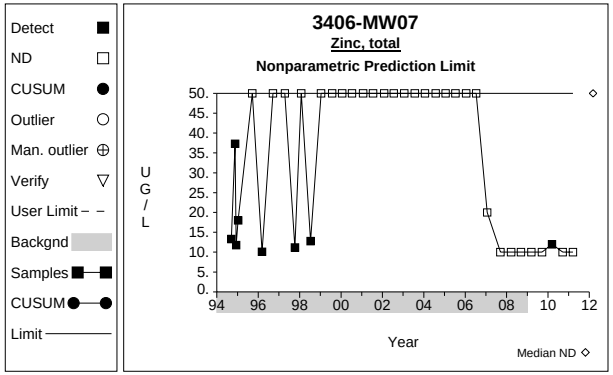
Graph 117



Graph 118

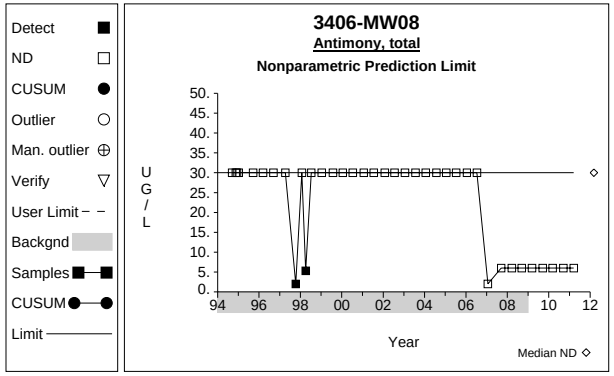


Graph 119

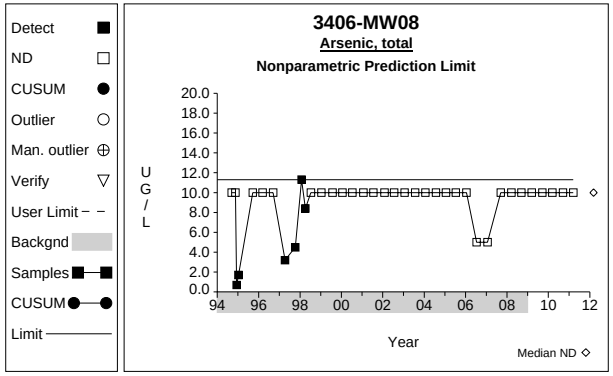


Graph 120

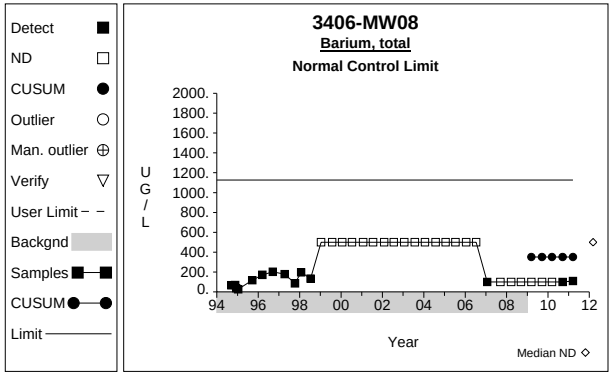
Intra-Well Control Charts



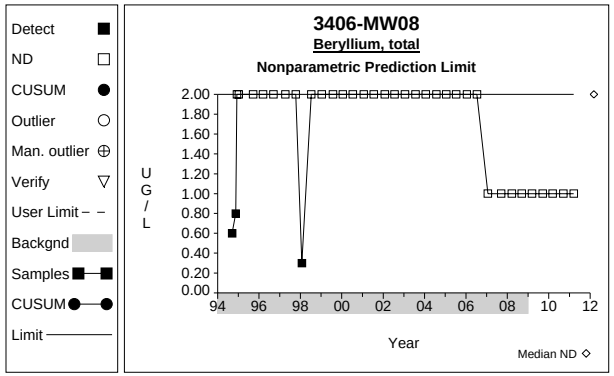
Graph 121



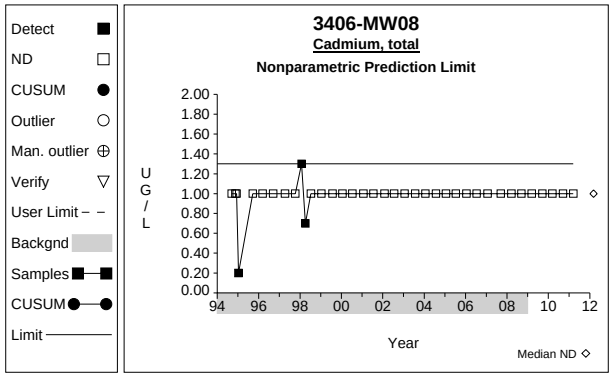
Graph 122



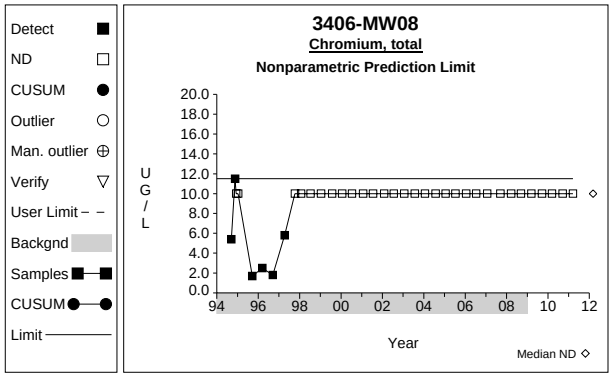
Graph 123



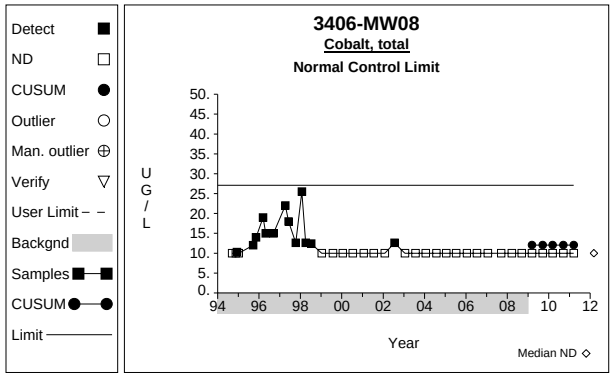
Graph 124



Graph 125



Graph 126



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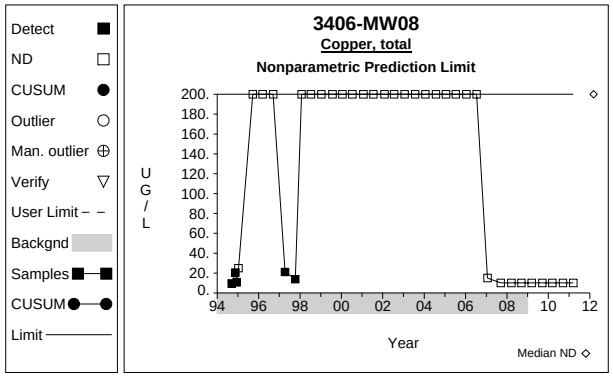
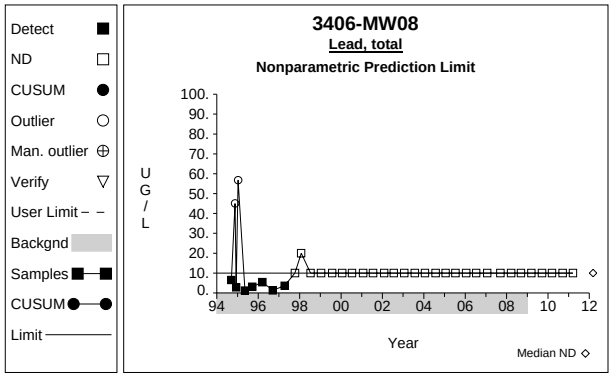


Graph 128



Graph 129

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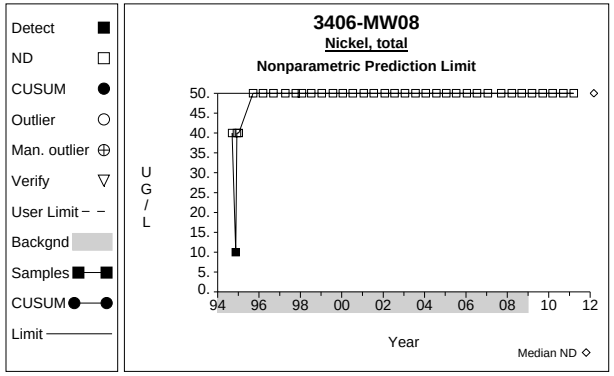
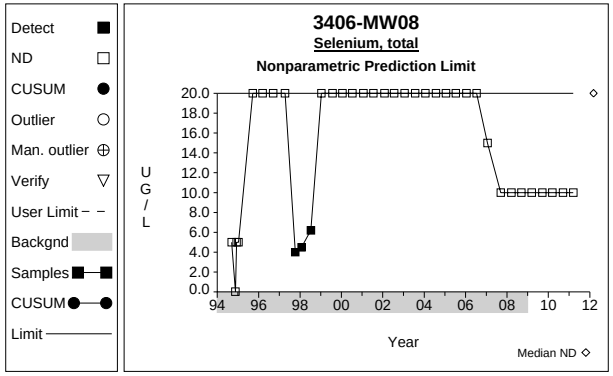
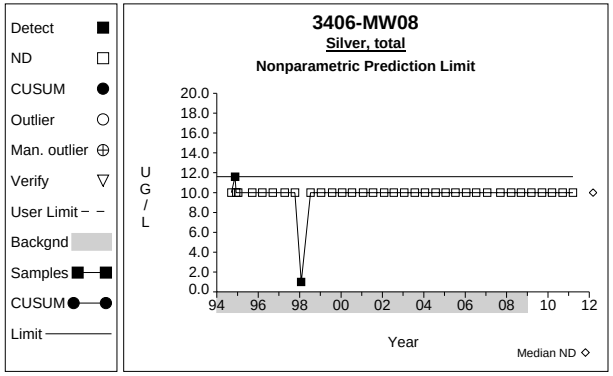
Intra-Well Control Charts



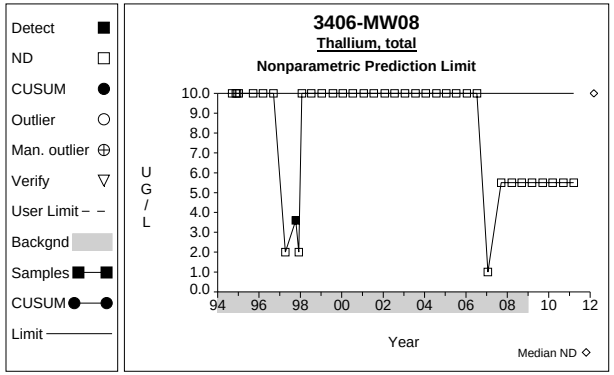
Graph 130



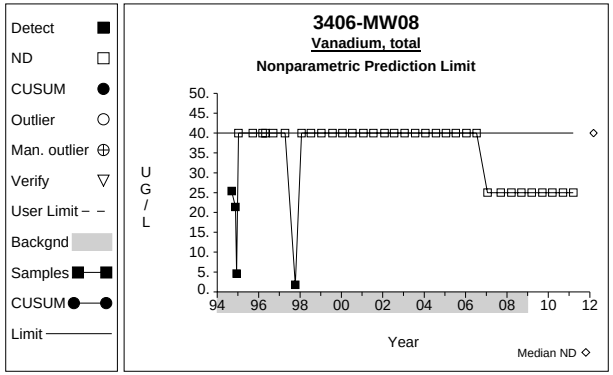
Graph 131



Graph 132



Graph 133



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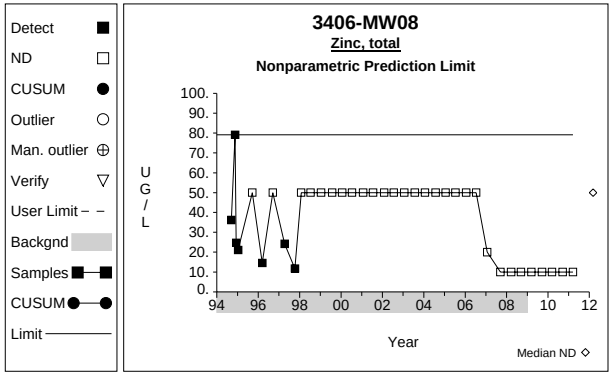
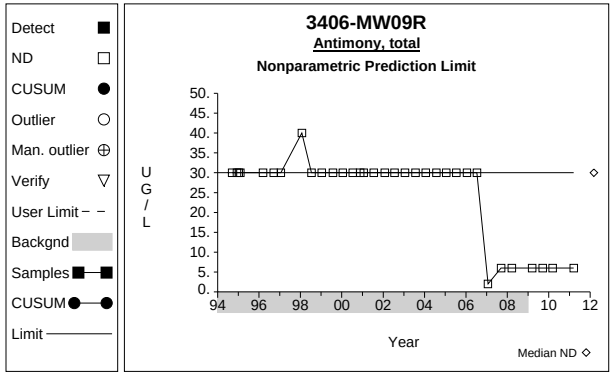
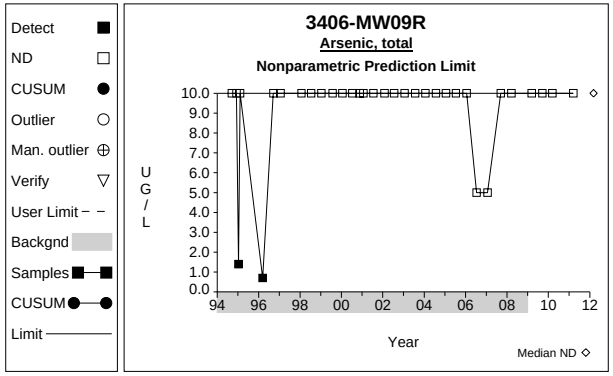


Graph 135

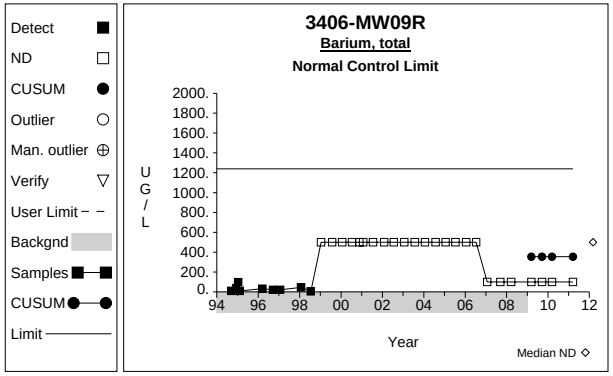
Intra-Well Control Charts



Graph 136



Graph 137



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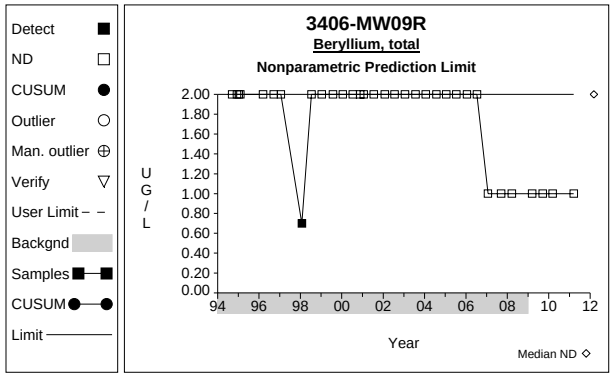
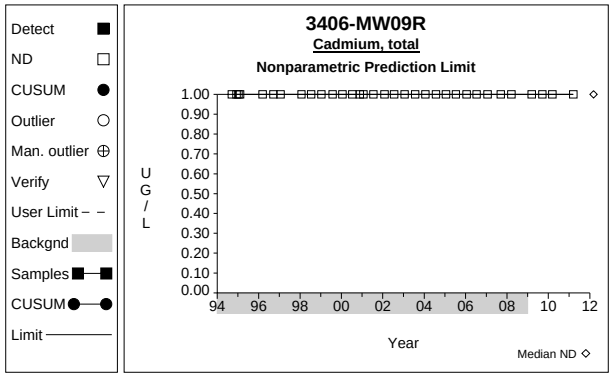
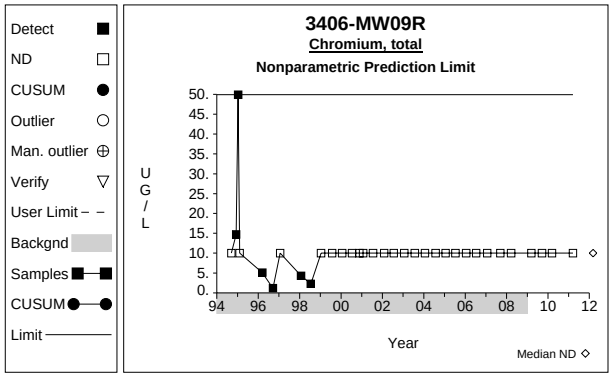


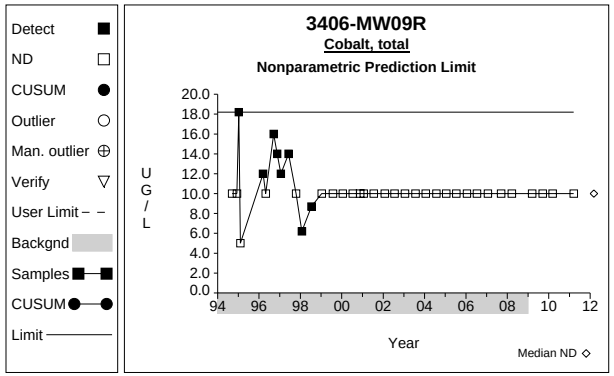
Graph 139



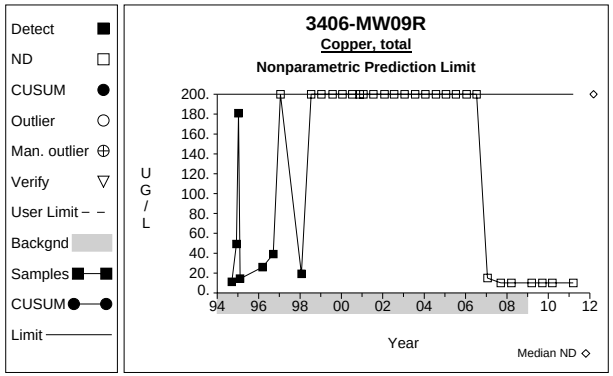
Graph 140



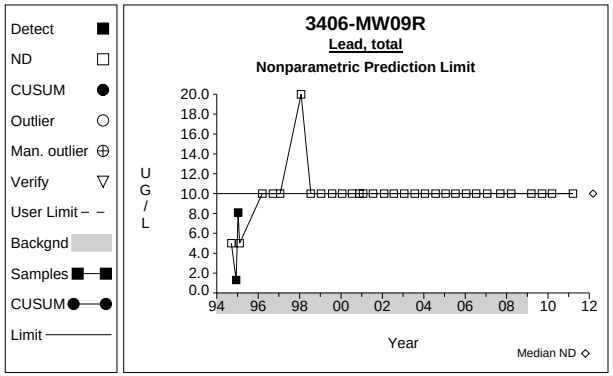
Graph 141



Graph 142

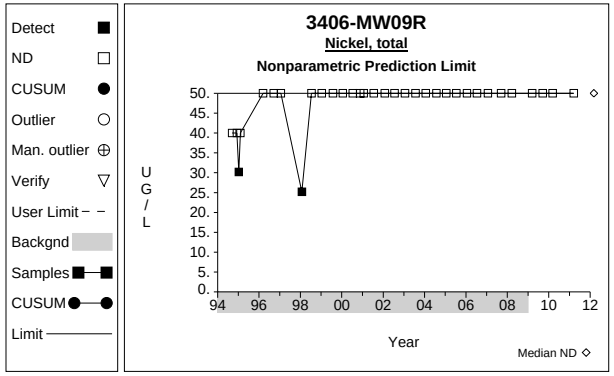


Graph 143

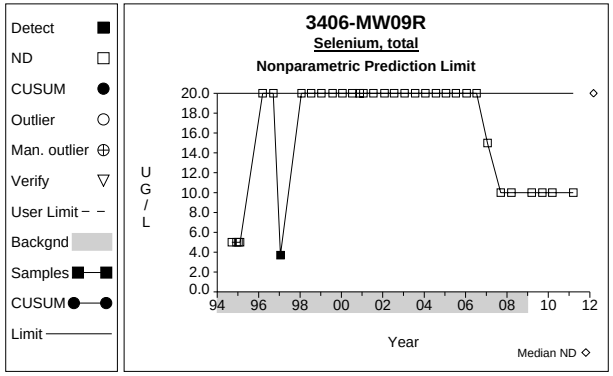


Graph 144

Intra-Well Control Charts



Graph 145



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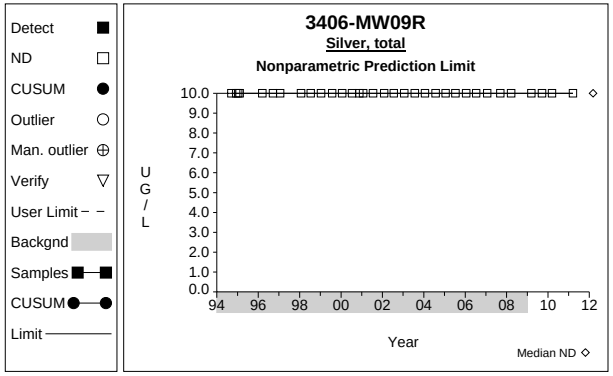
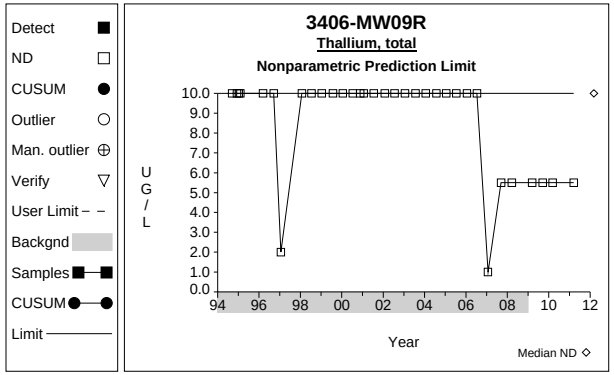
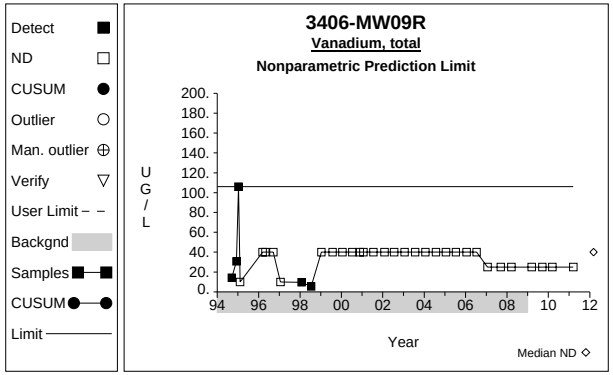


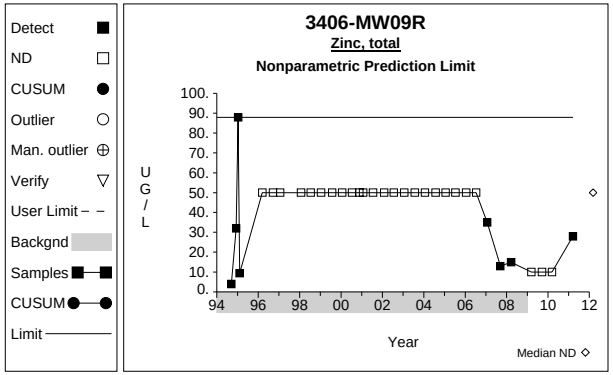
Graph 147



Graph 148

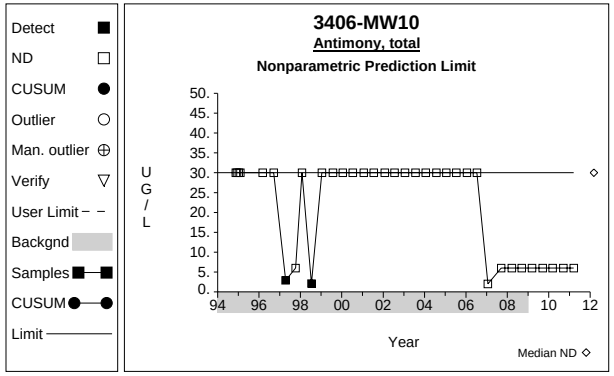


Graph 149

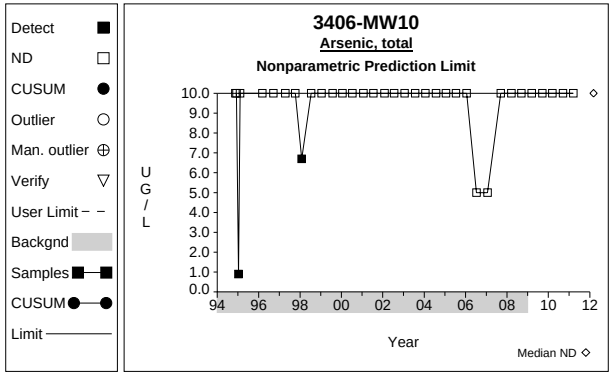


Graph 150

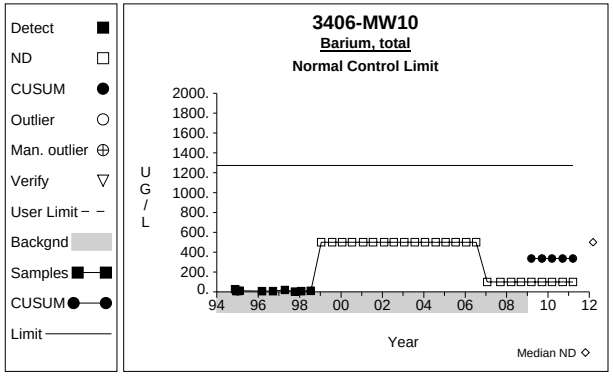
Intra-Well Control Charts



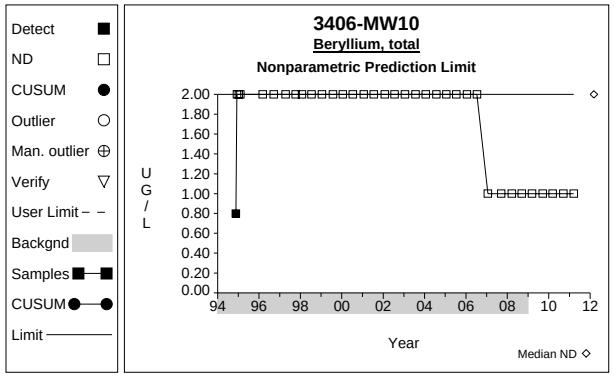
Graph 151



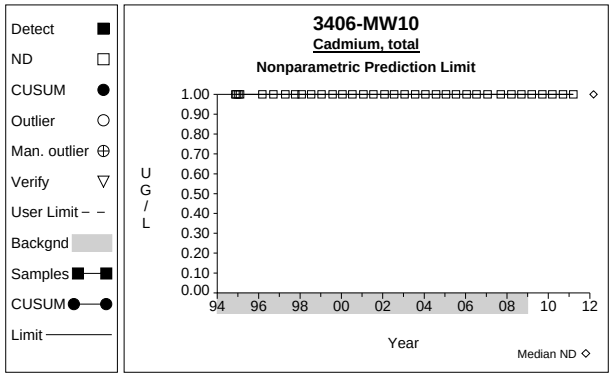
Graph 152



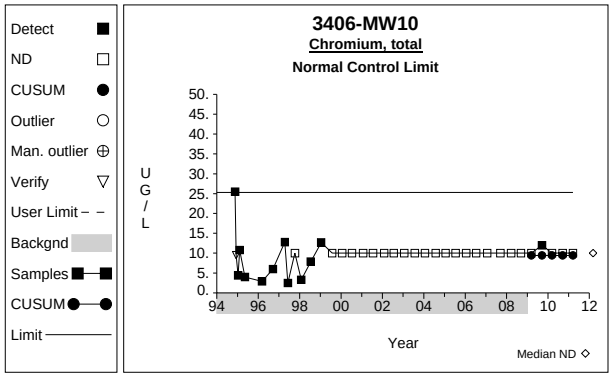
Graph 153



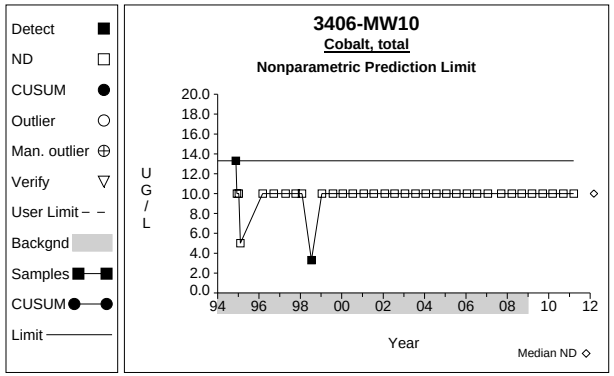
Graph 154



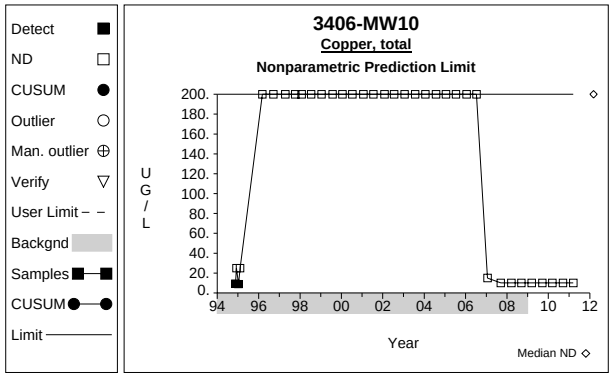
Graph 155



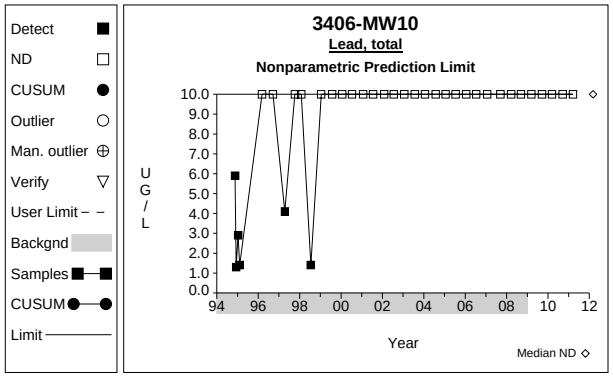
Graph 156



Graph 157

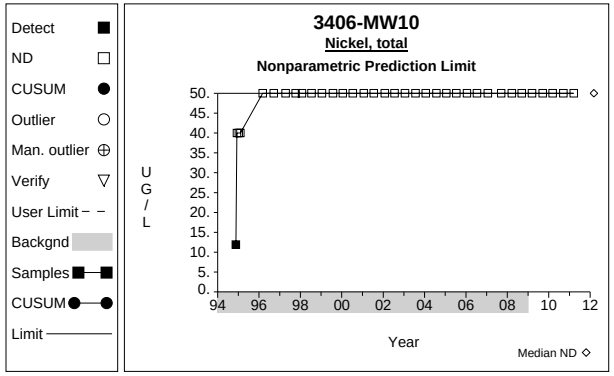


Graph 158

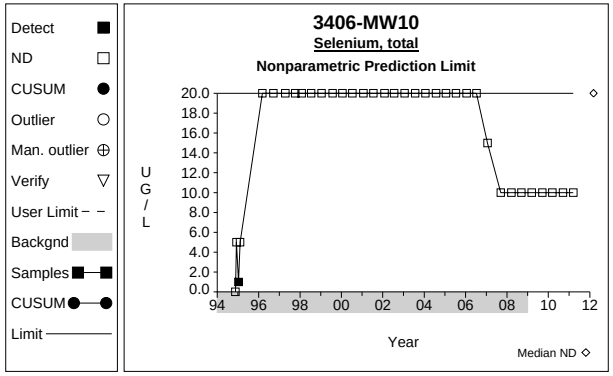


Graph 159

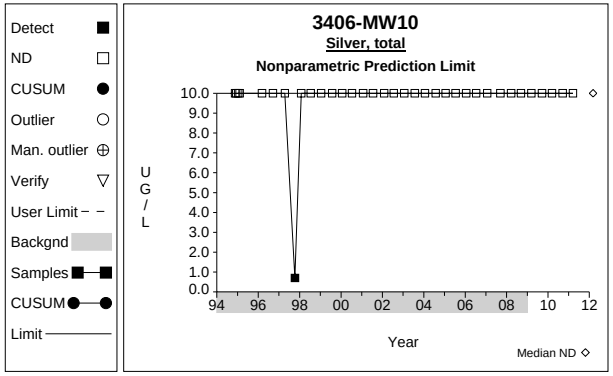
Intra-Well Control Charts



Graph 160



Graph 161



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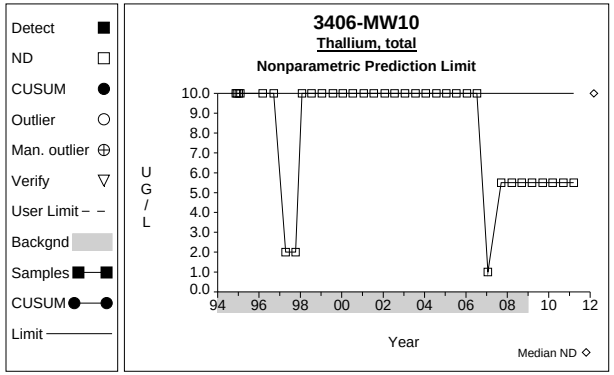
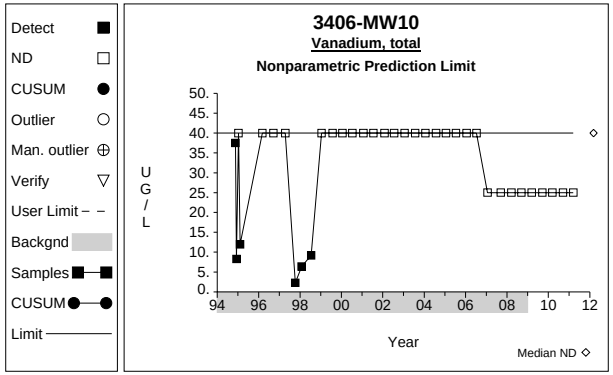
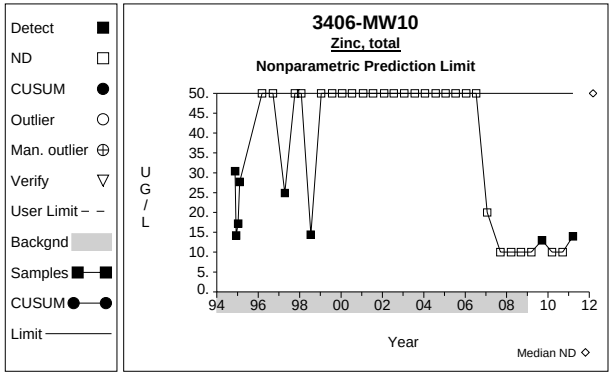


Graph 163

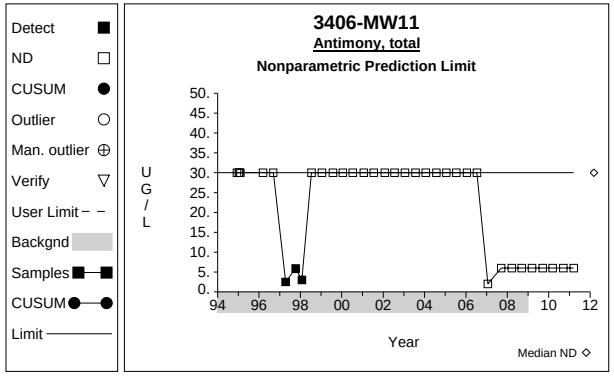


Graph 164

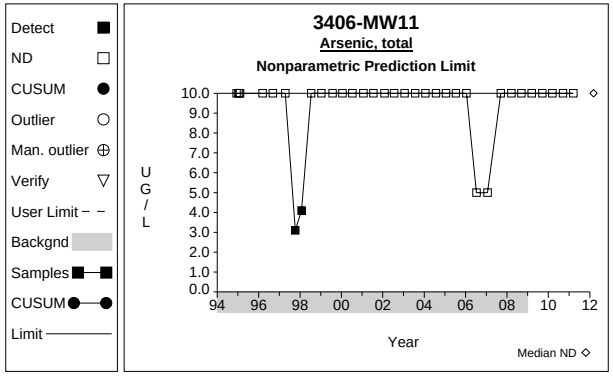


Graph 165

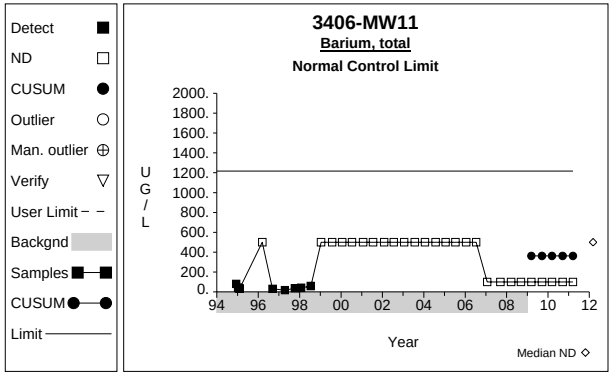
Intra-Well Control Charts



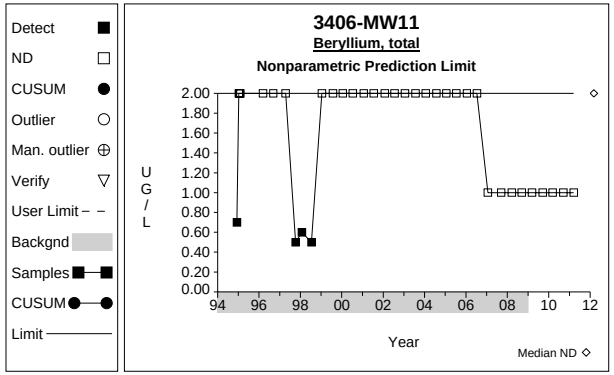
Graph 166



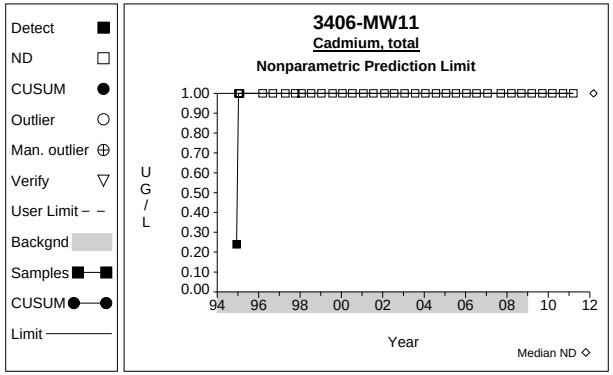
Graph 167



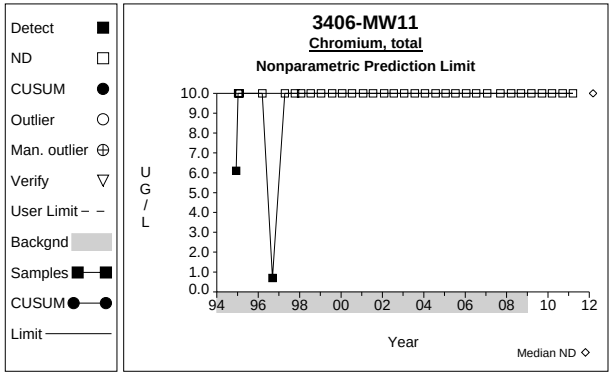
Graph 168



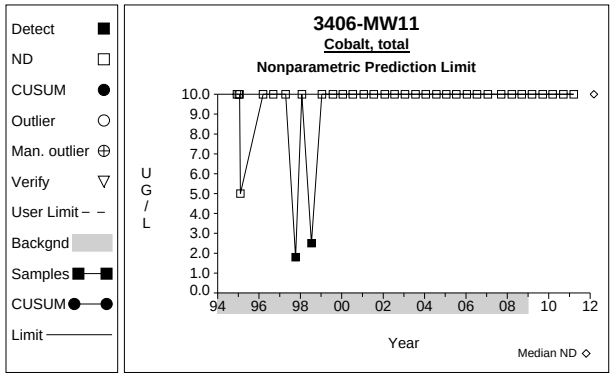
Graph 169



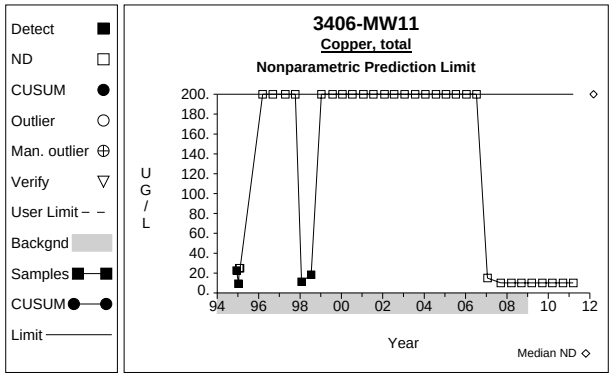
Graph 170



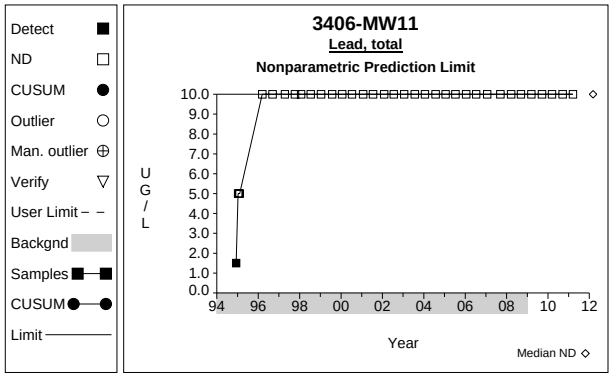
Graph 171



Graph 172

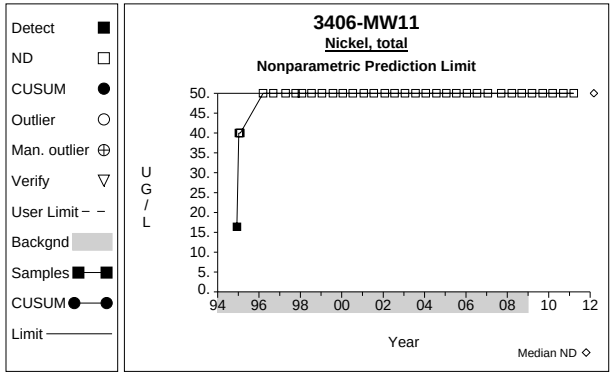


Graph 173

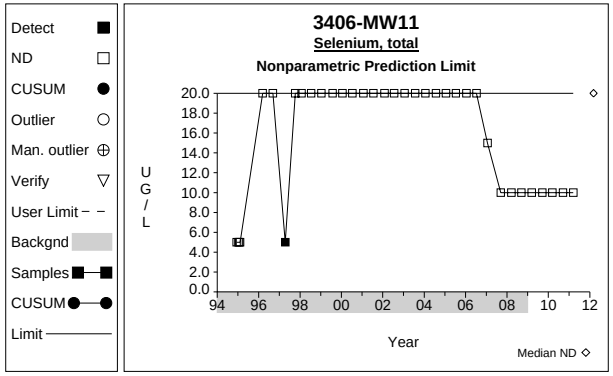


Graph 174

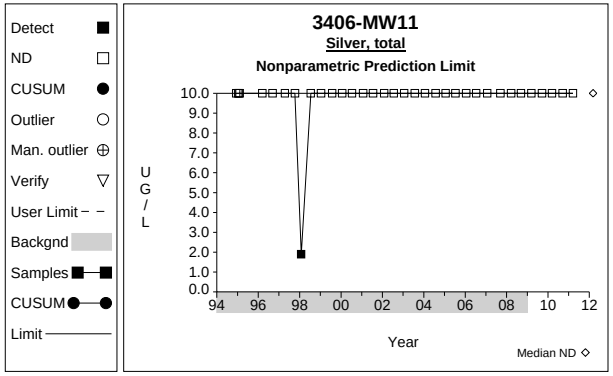
Intra-Well Control Charts



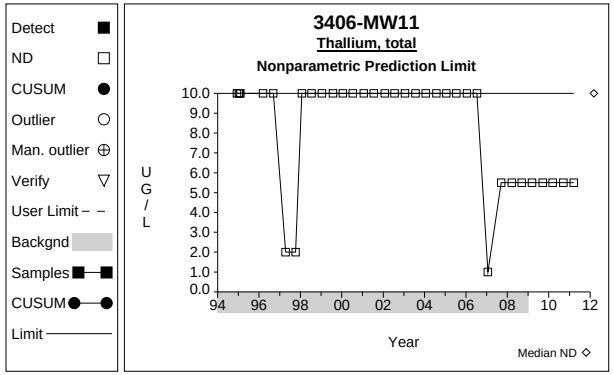
Graph 175



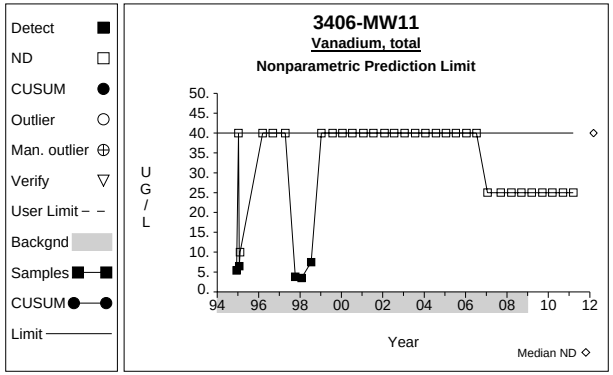
Graph 176



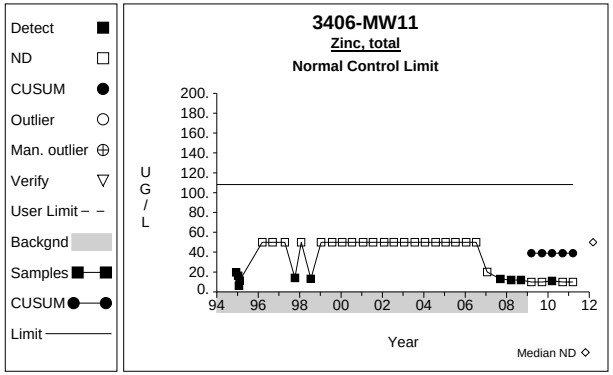
Graph 177



Graph 178

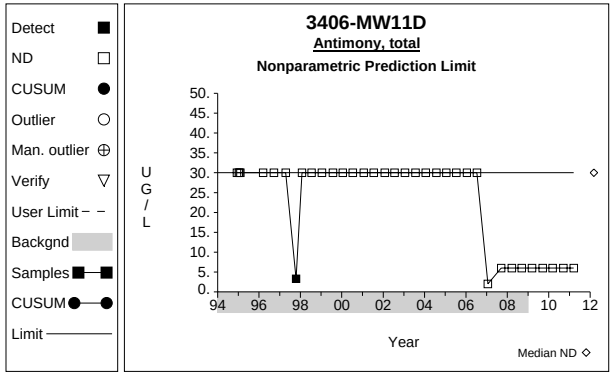


Graph 179

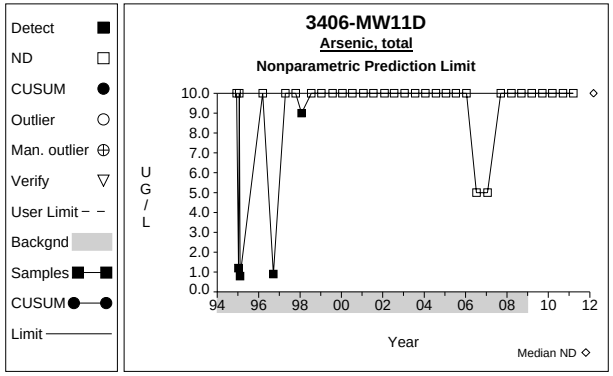


Graph 180

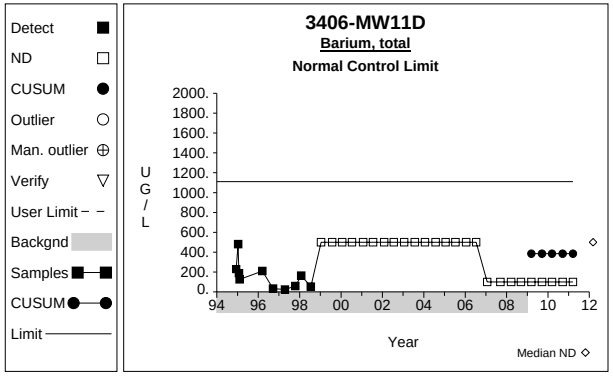
Intra-Well Control Charts



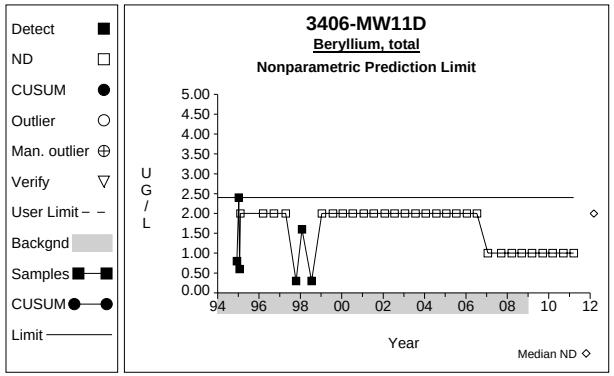
Graph 181



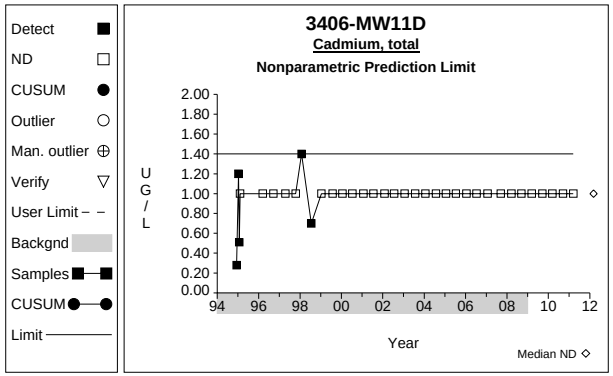
Graph 182



Graph 183



Graph 184



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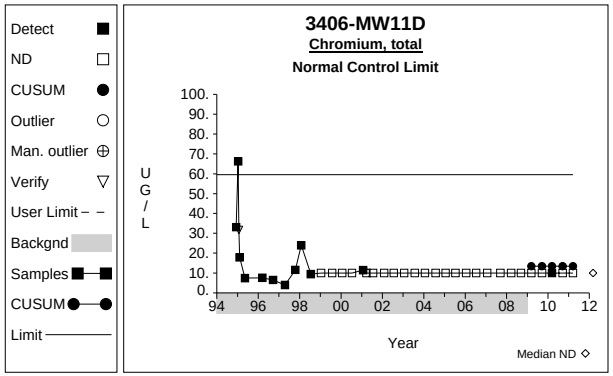
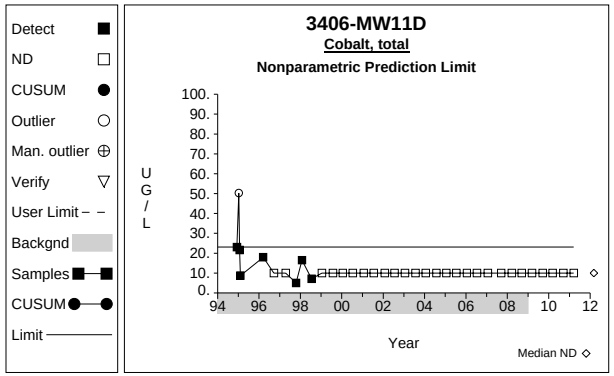
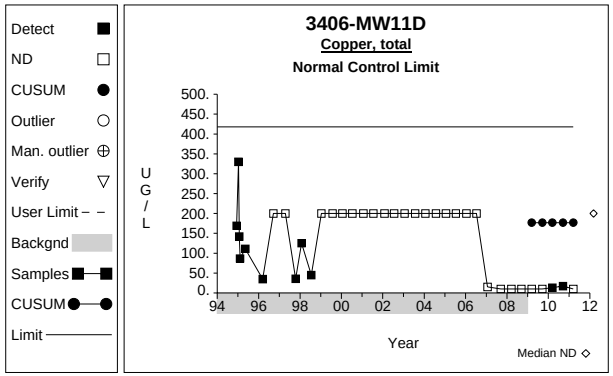


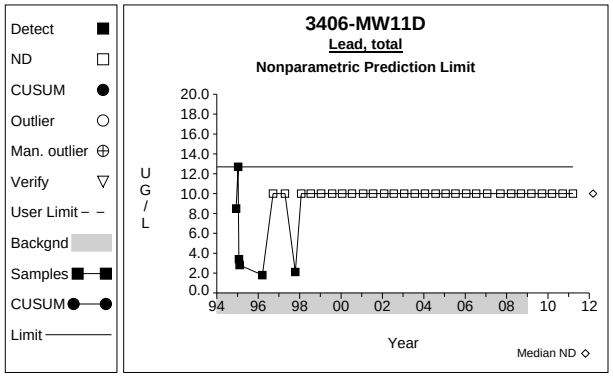
Graph 186



Graph 187

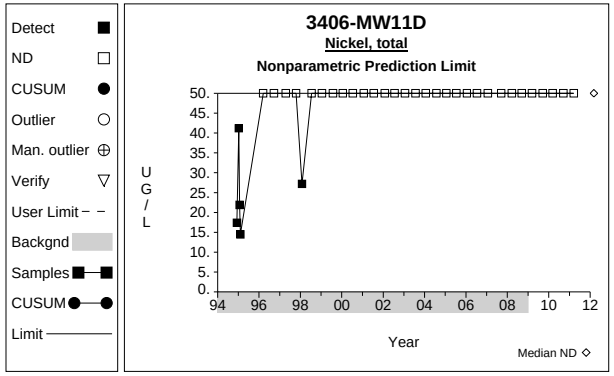


Graph 188



Graph 189

Intra-Well Control Charts



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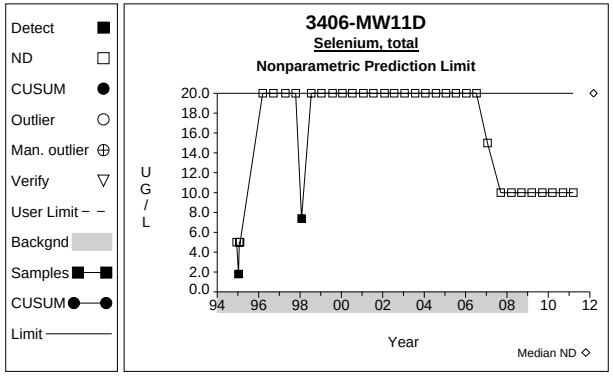
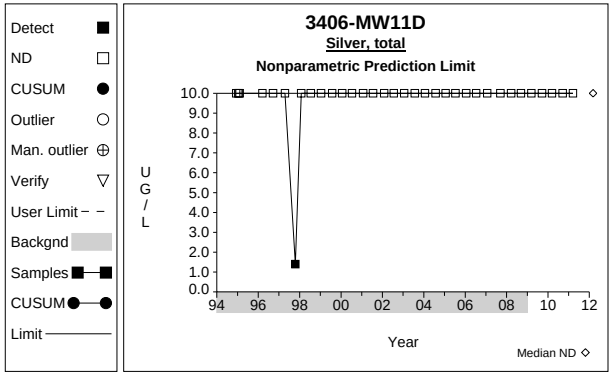
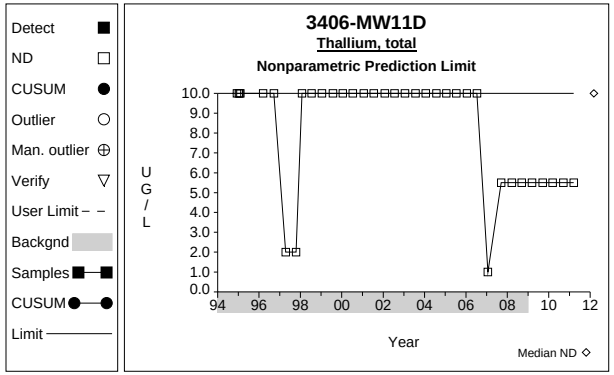


Graph 191



Graph 192



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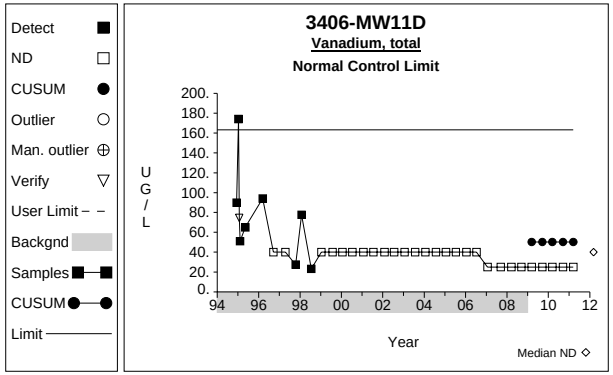

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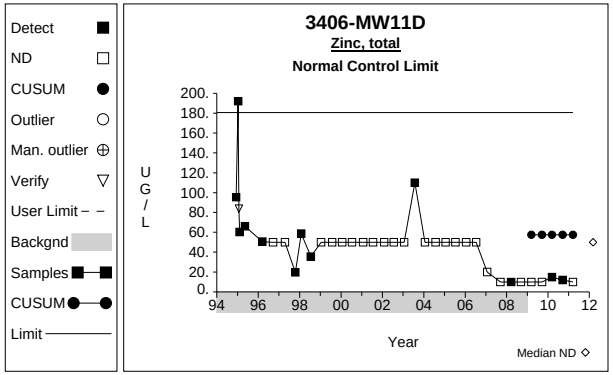
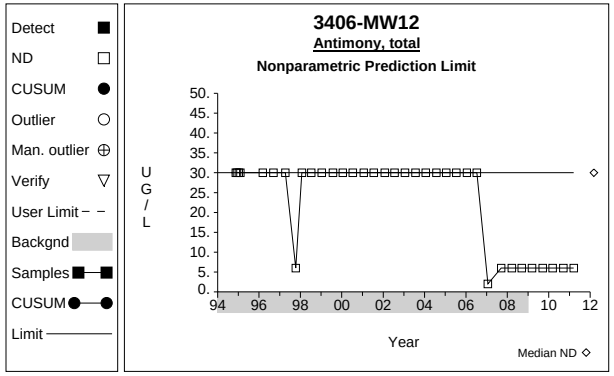
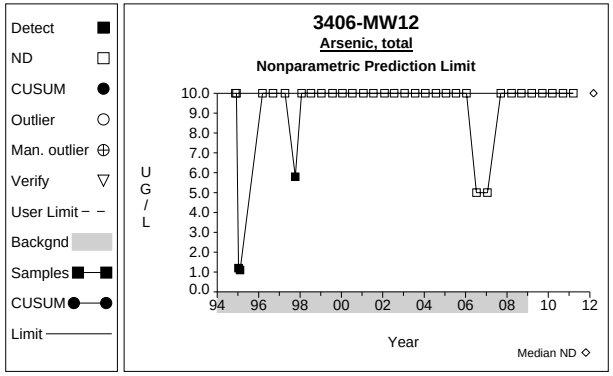


Graph 195

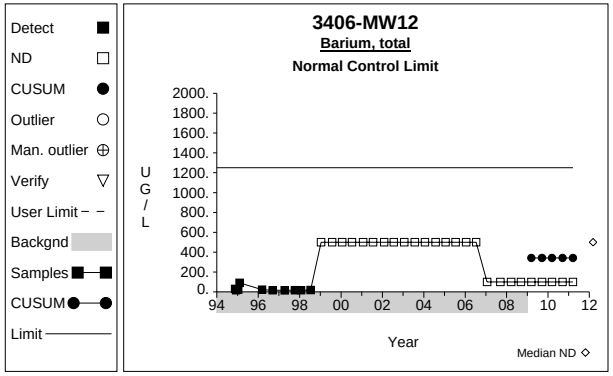
Intra-Well Control Charts



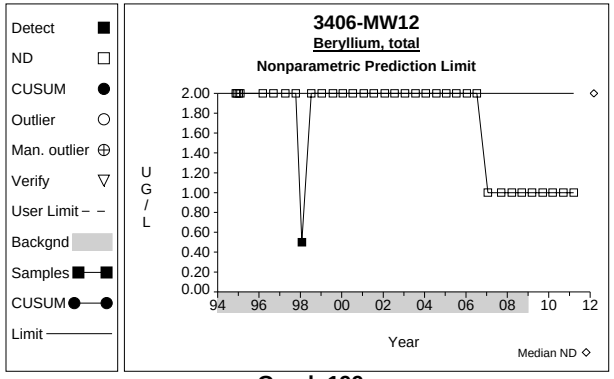
Graph 196



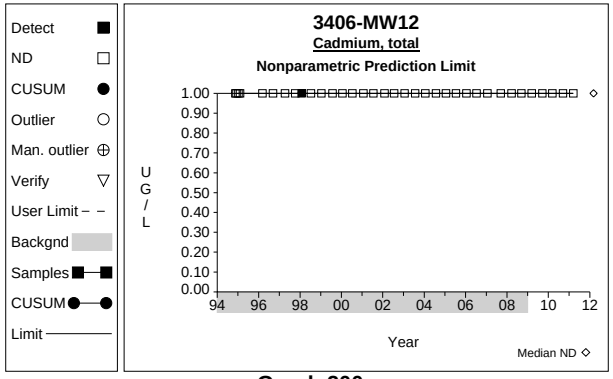
Graph 197



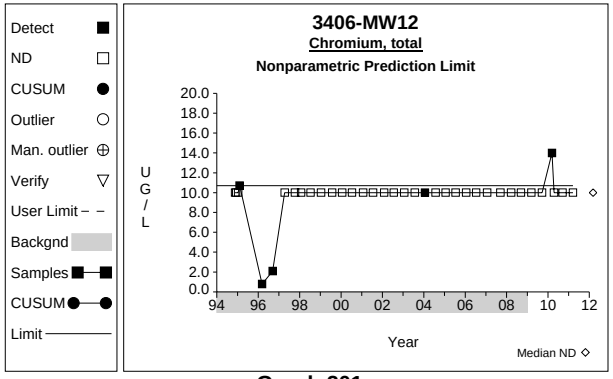
Graph 198



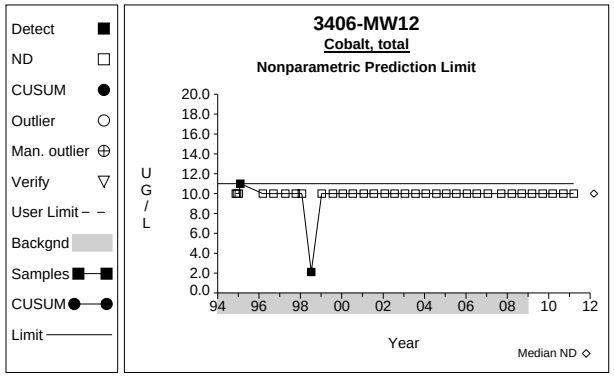
Graph 199



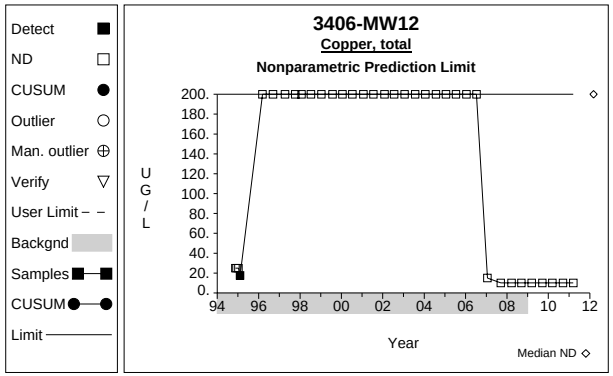
Graph 200



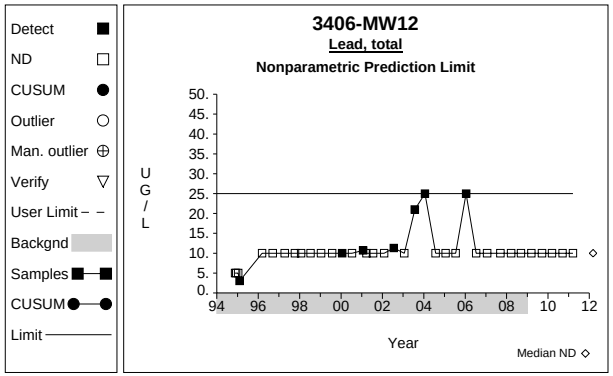
Graph 201



Graph 202



Graph 203



Graph 204

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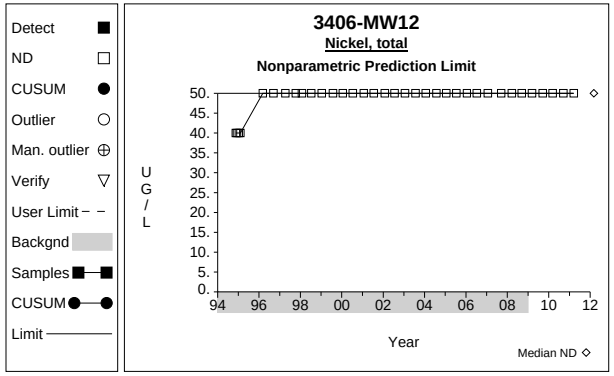
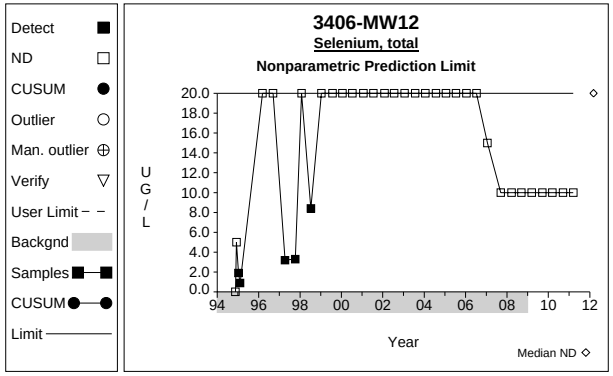
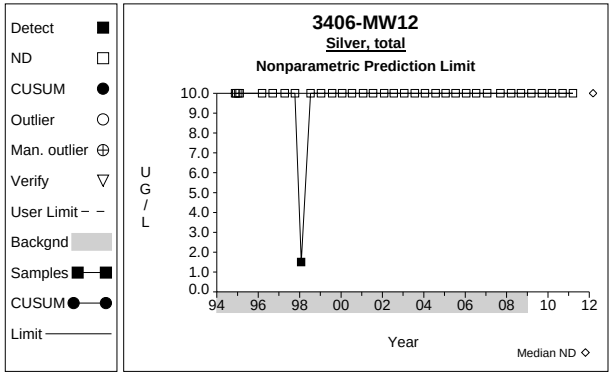
Intra-Well Control Charts



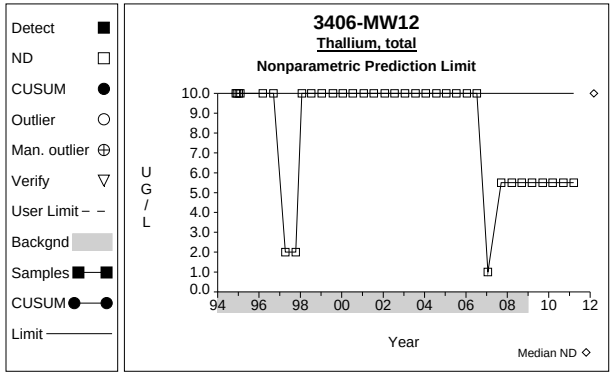
Graph 205



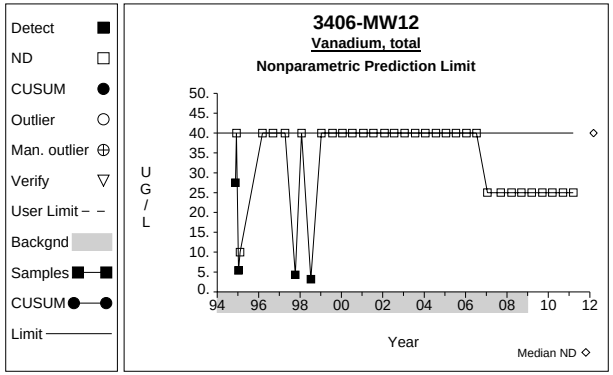
Graph 206



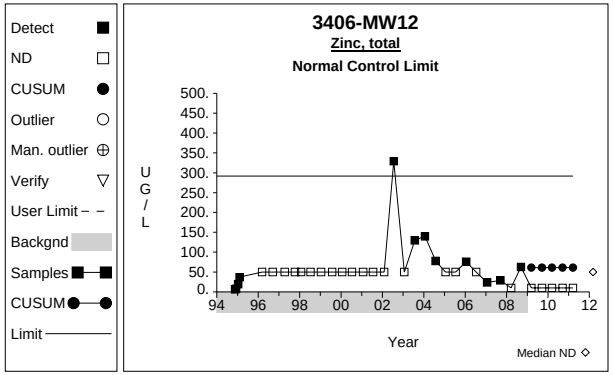
Graph 207



Graph 208

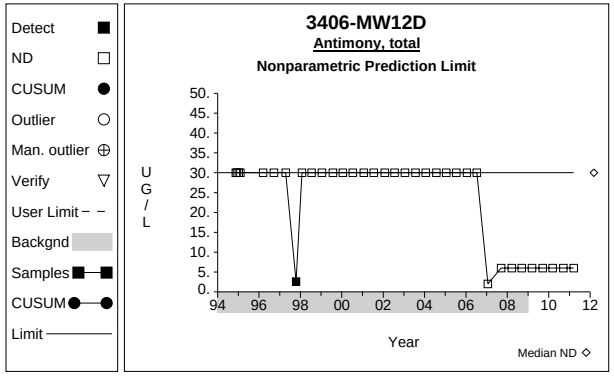


Graph 209

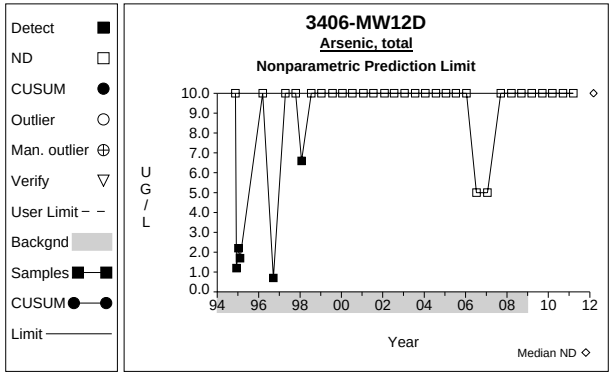


Graph 210

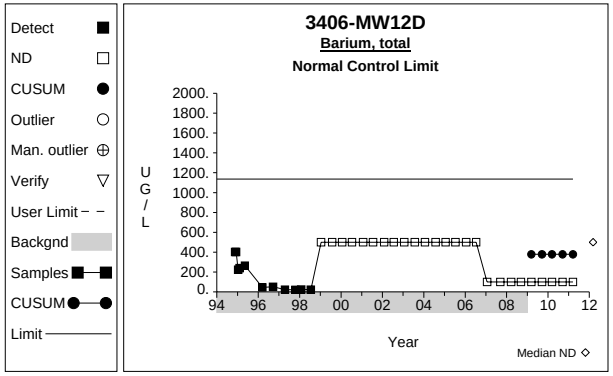
Intra-Well Control Charts



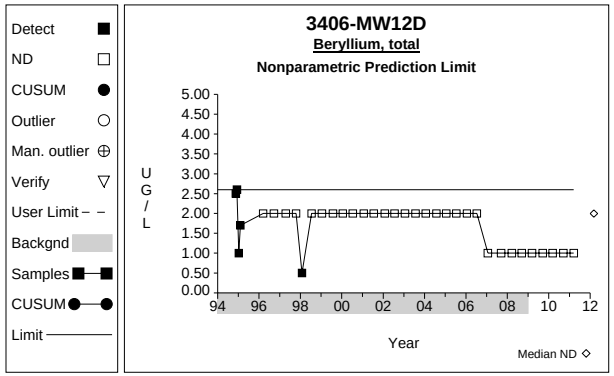
Graph 211



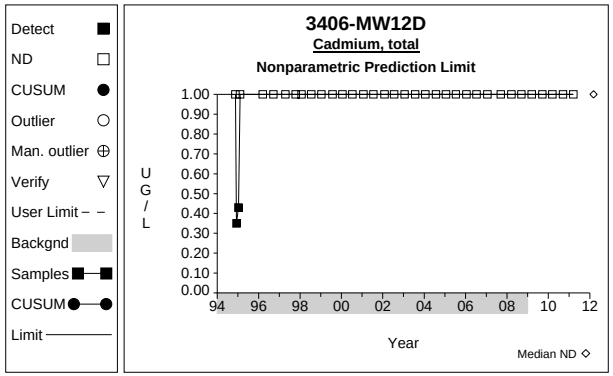
Graph 212



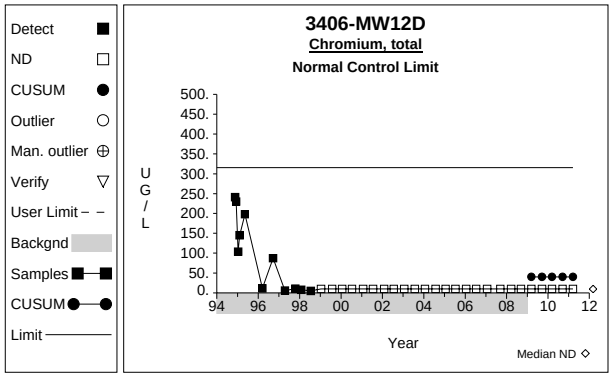
Graph 213



Graph 214



Graph 215



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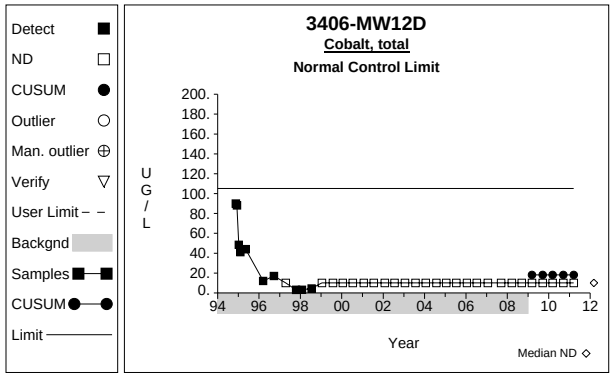
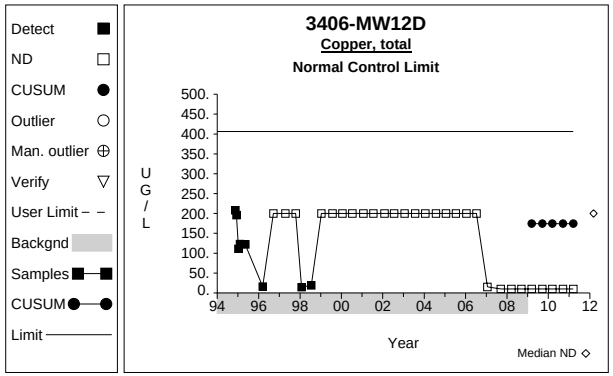
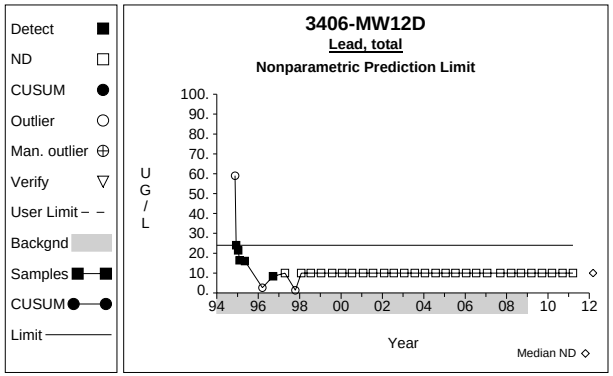


Graph 217



Graph 218



Graph 219

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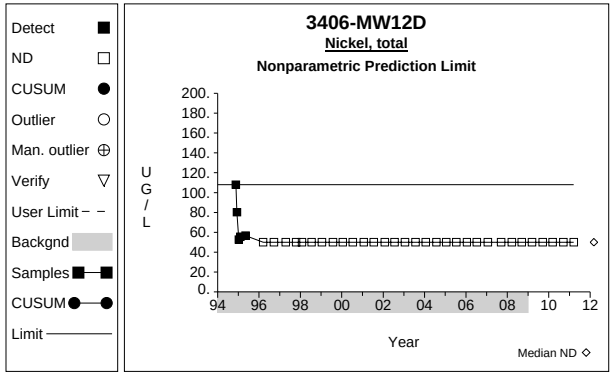
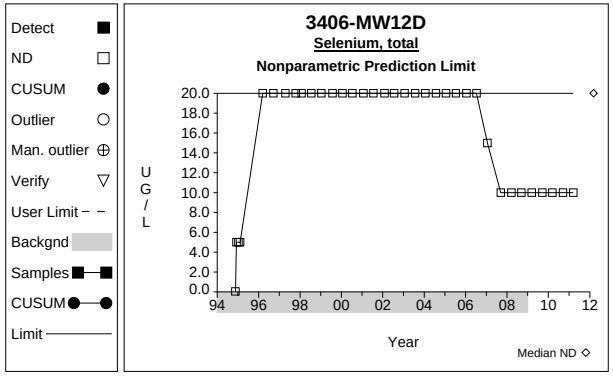
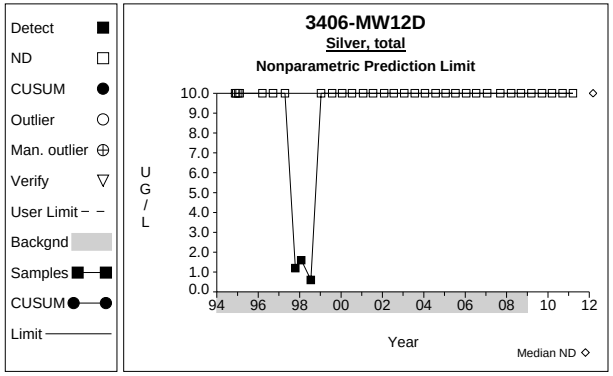
Intra-Well Control Charts



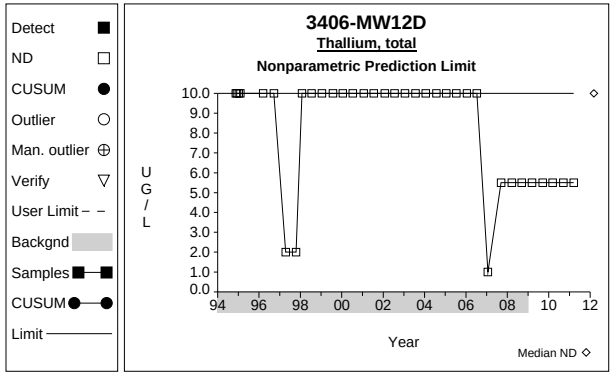
Graph 220



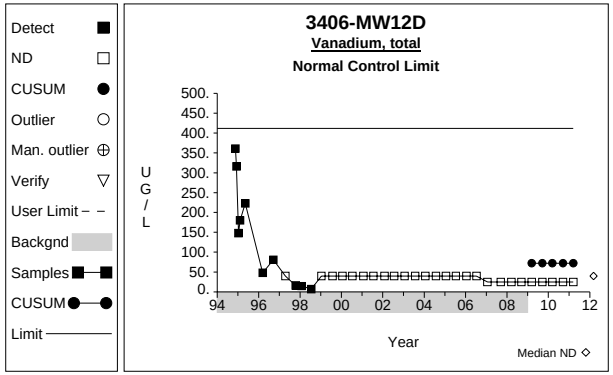
Graph 221



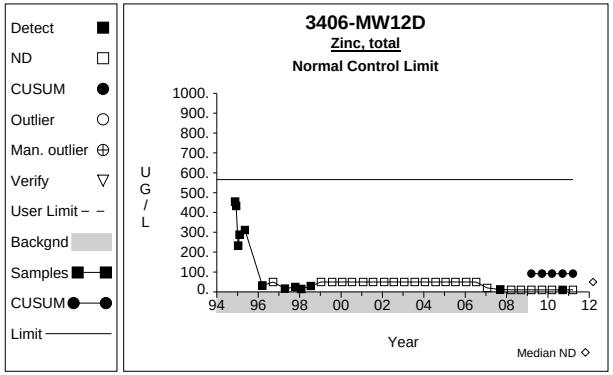
Graph 222



Graph 223

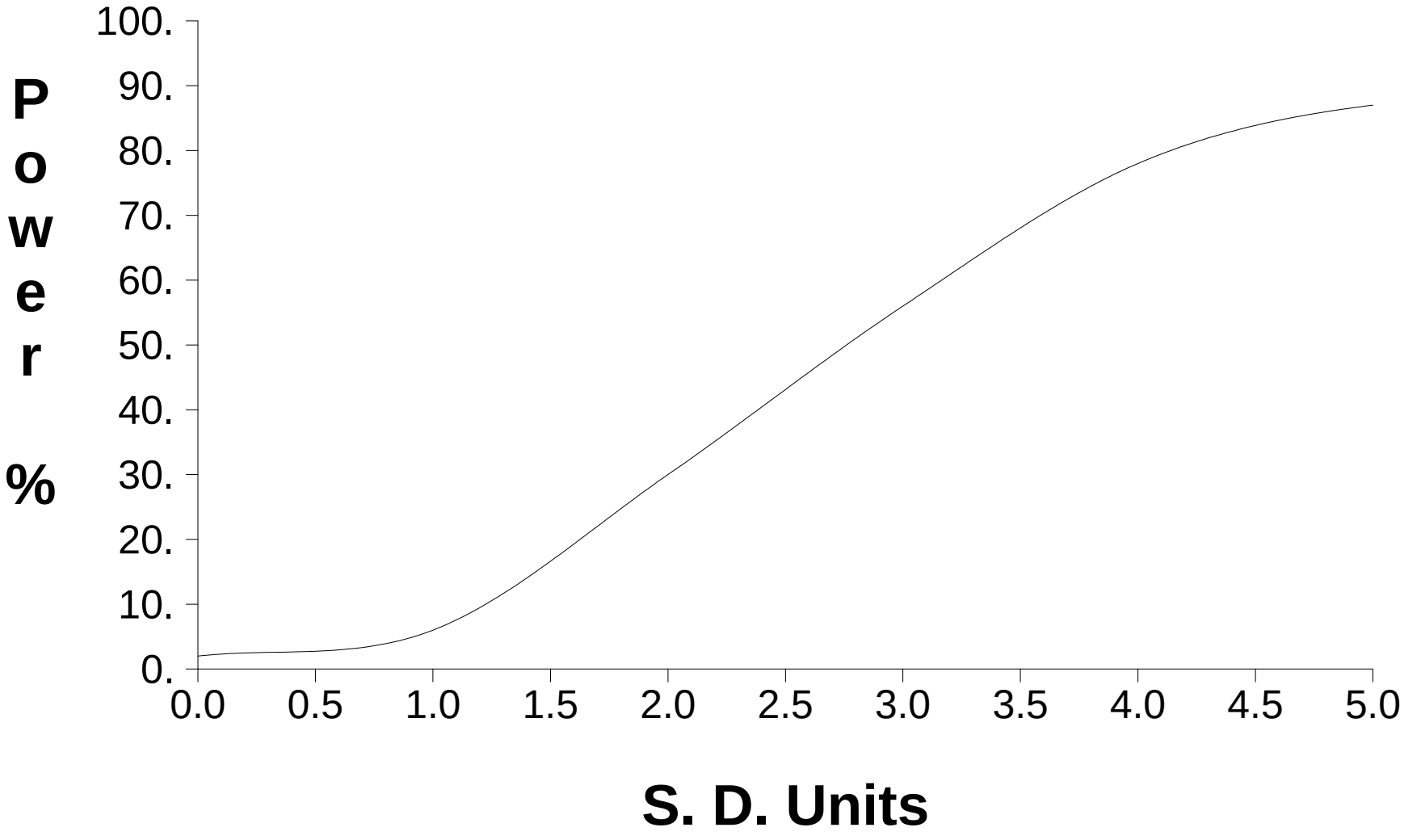


Graph 224



Graph 225

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



Attachment C

Summary of the VOCs Detected in the Ground Water

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
Methane	UG/L	3406-MW02	2/05/2008	1300.0000	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
Vinyl chloride	UG/L	3406-MW02	9/11/2008	3.2000	1.0000
Vinyl chloride	UG/L	3406-MW02	3/10/2009	1.6000	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
Toluene	UG/L	3406-MW04D	3/11/2009	1.2000	1.0000
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
1,1-dichloroethane	UG/L	3406-MW09R	9/11/2008	6.1000	5.0000
1,1-dichloroethane	UG/L	3406-MW09R	9/16/2009	5.1000	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

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
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
Cis-1,2-dichloroethene	UG/L	3406-MW09R	9/17/1996	2.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/22/1997	3.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	6/05/1997	2.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	10/16/1997	2.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/27/1998	1.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	7/18/2002	6.5000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/21/2003	6.9000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	7/24/2003	7.5000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/22/2004	12.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	7/27/2004	12.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/19/2005	11.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	7/12/2005	11.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	1/18/2006	8.4000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	7/12/2006	6.5000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-MW09R	9/12/2007	5.1000	5.0000
Dichlorodifluoromethane	UG/L	3406-MW09R	1/22/1997	2.0000	10.0000
Dichlorodifluoromethane	UG/L	3406-MW09R	1/27/1998	.7000	5.0000
Ethane	UG/L	3406-MW09R	11/21/2000	.9600	.5000
Isobutyl alcohol	UG/L	3406-MW09R	1/22/1997	30.0000	50.0000
Methane	UG/L	3406-MW09R	11/21/2000	720.0000	.5000
Methane	UG/L	3406-MW09R	11/21/2000	4100.0000	100.0000
Methyl ethyl ketone	UG/L	3406-MW09R	3/11/1996	10.0000	100.0000
Methylene chloride	UG/L	3406-MW09R	3/11/1996	.5000	10.0000
Methylene chloride	UG/L	3406-MW09R	9/17/1996	2.0000	10.0000
Methylene chloride	UG/L	3406-MW09R	1/22/1997	6.0000	10.0000
Methylene chloride	UG/L	3406-MW09R	6/05/1997	3.0000	10.0000
Methylene chloride	UG/L	3406-MW09R	10/16/1997	5.0000	10.0000
Methylene chloride	UG/L	3406-MW09R	1/27/1998	4.0000	10.0000
Methylene chloride	UG/L	3406-MW09R	7/14/1998	.3000	10.0000
Tetrachloroethene	UG/L	3406-MW09R	3/11/1996	1.0000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	9/17/1996	.5000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	1/22/1997	1.0000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	6/05/1997	1.0000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	10/16/1997	1.0000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	1/27/1998	.6000	5.0000
Tetrachloroethene	UG/L	3406-MW09R	7/14/1998	.3000	5.0000
Toluene	UG/L	3406-MW09R	9/17/1996	.6000	5.0000
Toluene	UG/L	3406-MW09R	1/22/1997	2.0000	5.0000
Toluene	UG/L	3406-MW09R	6/05/1997	4.0000	5.0000
Total xylenes	UG/L	3406-MW09R	9/17/1996	1.0000	5.0000
Total xylenes	UG/L	3406-MW09R	1/22/1997	2.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	3/11/1996	.5000	5.0000
Trichloroethene	UG/L	3406-MW09R	9/17/1996	1.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	1/22/1997	2.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	6/05/1997	1.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	10/16/1997	2.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	1/27/1998	2.0000	5.0000
Trichloroethene	UG/L	3406-MW09R	7/14/1998	.2000	5.0000
Vinyl chloride	UG/L	3406-MW09R	3/11/1996	.5000	10.0000
Vinyl chloride	UG/L	3406-MW09R	9/17/1996	1.0000	10.0000
Vinyl chloride	UG/L	3406-MW09R	1/22/1997	2.0000	10.0000
Vinyl chloride	UG/L	3406-MW09R	6/05/1997	1.0000	10.0000
Vinyl chloride	UG/L	3406-MW09R	10/16/1997	1.0000	10.0000
Vinyl chloride	UG/L	3406-MW09R	1/27/1998	.6000	10.0000
Chloromethane	UG/L	3406-MW10	3/05/1996	.8000	10.0000
Acetone	UG/L	3406-MW11	3/11/1996	8.0000	100.0000
Acetone	UG/L	3406-MW11D	12/07/1994	110.0000	34.0000
Chloromethane	UG/L	3406-MW12D	11/18/1994	.9000	10.0000
Chloromethane	UG/L	3406-MW12D	12/06/1994	.6000	10.0000
Methylene chloride	UG/L	3406-MW12D	7/16/1998	.2000	10.0000
1,1-dichloroethane	UG/L	3406-S05	9/14/1994	.8000	5.0000
1,1-dichloroethane	UG/L	3406-S05	9/14/1995	.8000	5.0000
1,1-dichloroethane	UG/L	3406-S05	3/04/1996	.3000	5.0000
1,1-dichloroethane	UG/L	3406-S05	9/23/1996	.4000	5.0000
1,1-dichloroethane	UG/L	3406-S05	3/27/1997	.2000	5.0000
1,1-dichloroethane	UG/L	3406-S05	10/07/1997	.3000	5.0000
1,1-dichloroethane	UG/L	3406-S05	7/14/1998	.2000	5.0000
Acetone	UG/L	3406-S05	3/04/1996	8.0000	100.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	2/17/1994	.9000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	9/14/1994	1.0000	5.0000

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Cis-1,2-dichloroethene	UG/L	3406-S05	1/10/1995	.8000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	9/14/1995	2.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	3/04/1996	.7000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	9/23/1996	.8000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	3/27/1997	.4000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	10/07/1997	.5000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	1/30/1998	.3000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-S05	7/14/1998	.4000	5.0000
Trichloroethene	UG/L	3406-S05	9/14/1994	.2000	5.0000
Trichloroethene	UG/L	3406-S05	9/14/1995	.2000	5.0000
Trichlorofluoromethane	UG/L	3406-S05	2/17/1994	.6000	5.0000
Vinyl chloride	UG/L	3406-S05	9/14/1995	.5000	10.0000
Vinyl chloride	UG/L	3406-S05	3/04/1996	.4000	10.0000
Vinyl chloride	UG/L	3406-S05	9/23/1996	.4000	10.0000
1,1-dichloroethane	UG/L	3406-T01	4/15/1997	38.0000	10.0000
1,1-dichloroethane	UG/L	3406-T01	10/15/1997	6.0000	5.0000
1,1-dichloroethane	UG/L	3406-T01	1/29/1998	28.0000	5.0000
1,1-dichloroethene	UG/L	3406-T01	4/15/1997	5.0000	15.0000
1,1-dichloroethene	UG/L	3406-T01	10/15/1997	2.0000	8.0000
1,1-dichloroethene	UG/L	3406-T01	1/29/1998	5.0000	7.0000
1,2-dichloroethane	UG/L	3406-T01	1/29/1998	2.0000	5.0000
1,4-dichlorobenzene	UG/L	3406-T01	4/15/1997	3.0000	10.0000
1,4-dichlorobenzene	UG/L	3406-T01	1/29/1998	5.0000	5.0000
1,4-dichlorobenzene	UG/L	3406-T01	1/30/2002	5.7000	5.0000
1,4-dichlorobenzene	UG/L	3406-T01	7/28/2004	6.0000	5.0000
1,4-dichlorobenzene	UG/L	3406-T01	9/11/2008	4.0000	3.0000
1,4-dichlorobenzene	UG/L	3406-T01	3/11/2009	4.5000	3.0000
1,4-dichlorobenzene	UG/L	3406-T01	9/16/2010	4.2000	3.0000
2-hexanone	UG/L	3406-T01	4/15/1997	26.0000	45.0000
2-hexanone	UG/L	3406-T01	1/29/1998	24.0000	50.0000
2-hexanone	UG/L	3406-T01	9/11/2008	56.0000	50.0000
Acetone	UG/L	3406-T01	4/15/1997	4600.0000	250.0000
Acetone	UG/L	3406-T01	10/15/1997	1300.0000	130.0000
Acetone	UG/L	3406-T01	1/29/1998	1200.0000	111.0000
Acetone	UG/L	3406-T01	7/17/2001	570.0000	400.0000
Acetone	UG/L	3406-T01	1/30/2002	620.0000	100.0000
Acetone	UG/L	3406-T01	1/20/2003	1600.0000	200.0000
Acetone	UG/L	3406-T01	1/21/2004	2100.0000	1000.0000
Acetone	UG/L	3406-T01	7/28/2004	680.0000	500.0000
Acetone	UG/L	3406-T01	7/13/2005	1500.0000	1000.0000
Acetone	UG/L	3406-T01	1/18/2006	170.0000	100.0000
Acetone	UG/L	3406-T01	1/24/2007	1300.0000	1300.0000
Acetone	UG/L	3406-T01	9/11/2008	1000.0000	670.0000
Acetone	UG/L	3406-T01	3/10/2010	640.0000	500.0000
Acetone	UG/L	3406-T01	3/15/2011	830.0000	500.0000
Benzene	UG/L	3406-T01	4/15/1997	6.0000	10.0000
Benzene	UG/L	3406-T01	10/15/1997	1.0000	5.0000
Benzene	UG/L	3406-T01	1/29/1998	8.0000	5.0000
Benzene	UG/L	3406-T01	1/30/2002	10.0000	5.0000
Chloroethane	UG/L	3406-T01	4/15/1997	19.0000	15.0000
Chloroethane	UG/L	3406-T01	10/15/1997	4.0000	10.0000
Chloroethane	UG/L	3406-T01	1/29/1998	19.0000	10.0000
Chloroform	UG/L	3406-T01	1/29/1998	1.0000	5.0000
Cis-1,2-dichloroethene	UG/L	3406-T01	4/15/1997	10.0000	15.0000
Cis-1,2-dichloroethene	UG/L	3406-T01	10/15/1997	3.0000	10.0000
Cis-1,2-dichloroethene	UG/L	3406-T01	1/29/1998	18.0000	5.0000
Ethylbenzene	UG/L	3406-T01	4/15/1997	31.0000	10.0000
Ethylbenzene	UG/L	3406-T01	10/15/1997	6.0000	5.0000
Ethylbenzene	UG/L	3406-T01	1/29/1998	46.0000	5.0000
Ethylbenzene	UG/L	3406-T01	1/30/2002	40.0000	5.0000
Ethylbenzene	UG/L	3406-T01	1/20/2003	66.0000	10.0000
Ethylbenzene	UG/L	3406-T01	1/21/2004	78.0000	50.0000
Ethylbenzene	UG/L	3406-T01	7/28/2004	19.0000	5.0000
Ethylbenzene	UG/L	3406-T01	1/24/2007	15.0000	10.0000
Methyl ethyl ketone	UG/L	3406-T01	4/15/1997	6300.0000	130.0000
Methyl ethyl ketone	UG/L	3406-T01	10/15/1997	2100.0000	63.0000
Methyl ethyl ketone	UG/L	3406-T01	1/29/1998	1800.0000	111.0000
Methyl ethyl ketone	UG/L	3406-T01	1/30/2002	480.0000	100.0000
Methyl ethyl ketone	UG/L	3406-T01	1/20/2003	2000.0000	200.0000
Methyl ethyl ketone	UG/L	3406-T01	1/21/2004	1400.0000	1000.0000
Methyl ethyl ketone	UG/L	3406-T01	7/13/2005	870.0000	800.0000
Methyl ethyl ketone	UG/L	3406-T01	3/20/2008	1100.0000	1000.0000
Methyl ethyl ketone	UG/L	3406-T01	9/11/2008	720.0000	670.0000
Methyl isobutyl ketone	UG/L	3406-T01	4/15/1997	250.0000	40.0000
Methyl isobutyl ketone	UG/L	3406-T01	10/15/1997	96.0000	20.0000
Methyl isobutyl ketone	UG/L	3406-T01	1/29/1998	170.0000	100.0000

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

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Methylene chloride	UG/L	3406-T01	4/15/1997	200.0000	15.0000
Methylene chloride	UG/L	3406-T01	10/15/1997	20.0000	8.0000
Methylene chloride	UG/L	3406-T01	1/29/1998	53.0000	10.0000
Styrene	UG/L	3406-T01	1/29/1998	3.0000	10.0000
Tetrachloroethene	UG/L	3406-T01	9/11/2008	6.6000	3.0000
Tetrachloroethene	UG/L	3406-T01	9/16/2009	51.0000	3.0000
Toluene	UG/L	3406-T01	4/15/1997	220.0000	10.0000
Toluene	UG/L	3406-T01	10/15/1997	68.0000	5.0000
Toluene	UG/L	3406-T01	1/29/1998	220.0000	5.0000
Toluene	UG/L	3406-T01	1/25/2001	130.0000	50.0000
Toluene	UG/L	3406-T01	1/30/2002	25.0000	5.0000
Toluene	UG/L	3406-T01	1/20/2003	15.0000	10.0000
Toluene	UG/L	3406-T01	1/21/2004	110.0000	50.0000
Toluene	UG/L	3406-T01	7/28/2004	28.0000	5.0000
Toluene	UG/L	3406-T01	1/24/2007	69.0000	10.0000
Total xylenes	UG/L	3406-T01	4/15/1997	68.0000	30.0000
Total xylenes	UG/L	3406-T01	10/15/1997	14.0000	15.0000
Total xylenes	UG/L	3406-T01	1/29/1998	100.0000	13.3000
Total xylenes	UG/L	3406-T01	1/25/2001	90.0000	50.0000
Total xylenes	UG/L	3406-T01	7/17/2001	34.0000	20.0000
Total xylenes	UG/L	3406-T01	1/30/2002	100.0000	5.0000
Total xylenes	UG/L	3406-T01	7/17/2002	43.0000	33.0000
Total xylenes	UG/L	3406-T01	1/20/2003	130.0000	10.0000
Total xylenes	UG/L	3406-T01	1/21/2004	170.0000	50.0000
Total xylenes	UG/L	3406-T01	7/28/2004	48.0000	5.0000
Total xylenes	UG/L	3406-T01	7/13/2005	14.0000	5.0000
Total xylenes	UG/L	3406-T01	1/18/2006	15.0000	5.0000
Total xylenes	UG/L	3406-T01	1/24/2007	33.0000	8.0000
Total xylenes	UG/L	3406-T01	3/20/2008	55.0000	40.0000
Total xylenes	UG/L	3406-T01	9/11/2008	11.0000	4.0000
Total xylenes	UG/L	3406-T01	3/11/2009	11.0000	4.0000
Total xylenes	UG/L	3406-T01	3/10/2010	24.0000	20.0000
Total xylenes	UG/L	3406-T01	9/16/2010	29.0000	4.0000
Total xylenes	UG/L	3406-T01	3/15/2011	27.0000	20.0000
Trichloroethene	UG/L	3406-T01	4/15/1997	4.0000	10.0000
Trichloroethene	UG/L	3406-T01	1/29/1998	2.0000	5.0000
Trichloroethene	UG/L	3406-T01	9/16/2009	4.1000	3.0000
Vinyl chloride	UG/L	3406-T01	4/15/1997	10.0000	15.0000
Vinyl chloride	UG/L	3406-T01	10/15/1997	3.0000	10.0000
Vinyl chloride	UG/L	3406-T01	1/29/1998	11.0000	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