WASTE MANAGEMENT

WASTE MANAGEMENT
1000 Parkwood Circle
Suite 700
Atlanta, GA 30339

November 14, 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: Second 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 Second 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 September 14, 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, except for chromium in MW-03. An exceedance of NC2L groundwater standards for chromium was detected in well MW-03. An Alternate Source Demonstration for chromium in MW-03 was submitted on July 26, 2010 and was approved by DENR in a letter dated April 28, 2011.

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

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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 second quarter of 2012. 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

PREPARED FOR:

PIEDMONT LANDFILL & RECYCLING CENTER
9900 FREEMAN ROAD
KERNERSVILLE, NORTH CAROLINA 27284
PERMIT NO. 34-06

PIEDMONT LANDFILL & RECYCLING CENTER
PERMIT # 34-06

SECOND SEMIANNUAL DETECTION AND ASSESSMENT GROUNDWATER MONITORING EVENT FOR 2011

NOVEMBER 2011

***PREPARED BY*:**

2211 WEST MEADOWVIEW ROAD, SUITE 101
GREENSBORO, NORTH CAROLINA 27407
NC LICENSE NUMBER C-0782
PHONE: (336) 323-0092
FAX: (336) 323-0093
JE PROJECT NO. 00392.1101.12.01

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	September 14, 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 — District Manager - Closed Sites — (770) 805-3366

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

Signature — Date 11/11/11

Affix NC Licensed/ Professional Geologist Seal

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

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

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST G. VAN NESS BURBACH

Prepared by:

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

JEI Project # 392.1101.12, Task 01

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November 11, 2011

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

RE: Second Semiannual Groundwater Monitoring Report of 2011
Piedmont Landfill & Recycling Center, Permit No. 34-06
JE Project No. 392.1101.12, Task 01

Dear Mr. Lacsamana,

The purpose of this report is to provide you with a complete submittal to satisfy the groundwater monitoring compliance requirements for the closed Piedmont Landfill and Recycling Center's second 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 September 14, 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. Well MW-09R was sampled for the NC Appendix II list of constituents. The site leachate was also sampled during this event for the required list of parameters. The laboratory analytical reports, field data 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 remained relatively consistent until recently, ranging in concentration from 7 μg/L to 28 μg/L; however, it has not been detected at quantifiable levels Since September 2009. 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; however, it has not been detected at quantifiable levels since September 2009. The presence of organic constituents in MW-09 and MW-09R is attributed to landfill gas (LFG). The LFG extraction network was expanded in this area in January 2003, and the recent decrease in concentrations of organic constituents in this well is attributed to the control of LFG.

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 until the DENR approves reverting back to detection monitoring.

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 NC 2L standards in MW-02 since September 2008, so MW-02 remains in detection monitoring.

During the March 2010 sampling event, chromium was detected in MW-03 at a statistically significant concentration above the NC 2L groundwater standard. An ASD was submitted on July 26, 2010 for the chromium detected in MW-03 demonstrating that the

chromium was naturally occurring in the soil and groundwater of the facility. DENR approved the ASD for chromium in MW-03 in a letter dated April 28, 2011.

STATISTICAL ANALYSIS:

The results of the statistical analysis of the September 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 (NC 2L) 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 second 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 September 2011 event are provided on CD in *Appendix A* of this report.

Organic Constituents

There were no quantified detections (above the SWSL) of and Appendix I 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. Chromium was detected above the NC 2L in MW-03. The chromium results in MW-03 also appear as a statistically significant increase (SSI) above background. An ASD for chromium in MW-03 was approved by DENR in a letter dated April 28, 2011. No other Appendix I inorganic constituents were detected above the SWSL or the NC 2L groundwater standards or groundwater protection standards (GWPS) in any detection monitoring well or surface water sample during the September 2011 sampling event.

ASSESSMENT MONITORING EVENT:

MW-9R

During the second semiannual event of 2011, MW-09R was sampled for the NC Appendix II list of constituents. There are no detected Appendix II constituents reported for this well. The analytical results for the September 2011 event are provided on CD in *Appendix A* to this letter report.

Organic Constituents

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

Inorganic Constituents

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

SUBMITTAL OF LEACHATE ANALYTICAL DATA:

Appendix A to this report contains the leachate monitoring results for September 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 September 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 September 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. The only SSI was the chromium detection in MW-03.

An ASD was submitted on July 26, 2010 for the exceedance of chromium detected in MW-03 during the March 2010 sampling event. On April 28, 2011, DENR approved the ASD

for chromium in MW-03. MW-03 will continue to be monitored in accordance with the Detection Monitoring Program.

Review of the groundwater monitoring parameters for Piedmont Landfill and Recycling Center to reduce costs revealed optional indicator parameters that were still being sampled. These optional parameters included manganese. It was noted that manganese has been consistently detected above the current NC 2L standard (see Table 2). The data indicate that manganese is naturally occurring in the facility groundwater at concentrations above the NC 2L standard and the data do not indicate a release from the Piedmont Landfill.

There have been no quantified detections (above the SWSL) of any NC Appendix I or II volatile organic compounds (VOCs) in well MW-09R since September 2009. A request to return MW-09R to the Detection Monitoring Program will be submitted in the near future.

All other site 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 first quarter of 2012. If you have any questions, feel free to contact me or Steve Cowie at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING

G. Van Ness Burbach, PhD, PG
Technical Consultant

Attachments: Environmental Monitoring Reporting Form
Table 1 – Summary of Detected Constituents – September 2011
Table 2 – Summary of Historical Manganese Concentrations
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

TABLES

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	Yes*
3406-MW08	Barium	100	µg/L	100	700	1,126.4	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. Chromium in MW-03 has been dealt with in an ASD approved by DENR

TABLE 2
HISTORIC MANGANESE CONCENTRATIONS IN MW-09R

WELL ID	DATE	PARAMETER	RESULT	UNIT	SWSL
3406-MW09R	7/18/2001	Manganese	293	µg/L	10
3406-MW09R	7/18/2002	Manganese	346	µg/L	10
3406-MW09R	7/24/2003	Manganese	1700	µg/L	10
3406-MW09R	7/27/2004	Manganese	1600	µg/L	10
3406-MW09R	7/12/2005	Manganese	2500	µg/L	10
3406-MW09R	7/12/2006	Manganese	2300	µg/L	10
3406-MW09R	9/12/2007	Manganese	2200	µg/L	10
3406-MW09R	9/11/2008	Manganese	1800	µg/L	10
3406-MW09R	9/16/2009	Manganese	1200	µg/L	10
3406-MW09R	9/16/2010	Manganese	900	µg/L	50
3406-MW09R	9/14/2011	Manganese	500	µg/L	50

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 – September 2011 Event

Prepared by:

JOYCE ENGINEERING

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

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

NORTH CAROLINA LICENSED SEAL 1349 GEOLOGIST G. VAN NESS BURBACH

Attachments: Drawing No. 1 – Groundwater Surface Map
Table 3 – Historical Groundwater Elevations
Table 4 – Groundwater Flow Rate Calculations

Piedmont Landfill & Recycling Center
Permit 34-06

APPENDIX C:
Groundwater Flow Regime Report – September 2011 Event

On behalf of Waste Management, Joyce Engineering has reviewed groundwater flow rates and flow directions at the Piedmont Landfill and Recycling Center for the second 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 September 14, 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 3*. 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 4*. The hydraulic gradients (**i**) ranged from 0.013 ft/ft to 0.029 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 4*.

As shown on *Drawing 1*, groundwater flow at the site is generally west to northwest. Segment i_1 was 21.4 feet/year to the north-northwest; Segment i_2 was 5.4 feet/year to the northwest; Segment i_3 was 11.1 feet/year to the west. The average groundwater flow rate for September 2011 was approximately 12.6 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 September 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 3
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
14-Sep-2011	779.51	747.58	742.58	742.01	741.95	736.34	775.42	744.48	739.28	NA	736.20	742.70	746.64	746.26	744.35	744.66

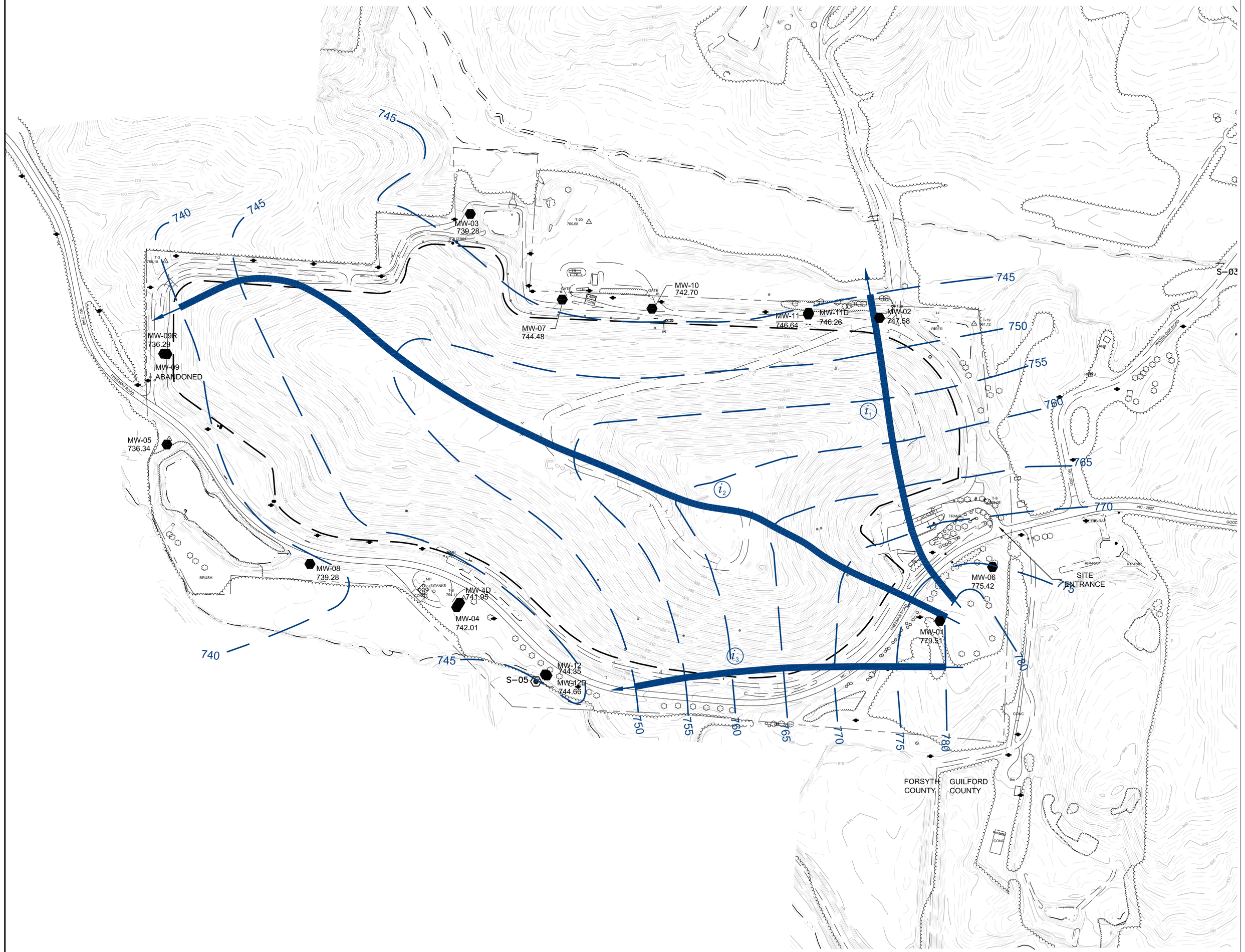
Notes:
TOC = Top of PVC casing.
All depths in feet measured from TOC.
TOC elevation for MW-02 is revised reflecting improvements were made to the well in July 2001 prior to sampling.
All water level elevations are reported in feet above mean sea level.
NA = data not available.

TABLE 4
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	September 14, 2011		
						Elevation (ft AMSL)	**Gradient** (**i**, ft/ft)	**Velocity** (**V**, ft/yr)
i_1	2.90E-04	9.51E-06	0.41	1200	NNW	780 745	0.029	21.4
i_2	1.70E-04	5.58E-06	0.41	3198	NW	780 740	0.013	5.4
i_3	1.70E-04	5.58E-06	0.41	1159	W	780 750	0.026	11.1
						AVERAGE:	0.023	12.6

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 736.20
SURFACE WATER MONITORING POINTS	S-03
SEGMENT USED FOR GRADIENT CALCULATIONS	i_4

NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET.
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 5 FEET.
3. STATIC WATER LEVELS MEASURED ON 09/14/11.
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)

Well ID	Installation Date	Location Relative to Waste	Screened Interval (feet BGS)	Lithology of Screened Interval	Monitoring Program *
MW-01	07/13/89	Upgradient	44.0 - 49.0	WEATHERED GNEISS BEDROCK	Detection
MW-02	08/05/89	Downgradient	20.2 - 25.2	SILTY SAND	Detection
MW-03	08/06/89	Downgradient	32.5 - 37.5	SILTY SAND	Detection
MW-04	07/14/89	Downgradient	20.0 - 25.0	SILTY SAND	Detection
MW-04D	02/18/94	Downgradient	53.25-58.25	SAPROLITE/BEDROCK	Detection
MW-05	08/02/89	Downgradient	14.45 - 19.45	SILTY SAND	Detection
MW-06	08/09/93	Upgradient	20.9 - 25.9	SILTY SAND	Detection
MW-07	08/25/94	Downgradient	17.0 - 32.4	SILTY SAND	Detection
MW-08	08/31/94	Downgradient	5.0 - 20.0	SILTY SAND	Detection
MW-09	08/30/94	Downgradient	19.81 - 34.22	SAND/SAPROLITE BEDROCK	Abandoned
MW-09R	11/09/99	Downgradient	32.0 - 42.5	BEDROCK	Assessment
MW-10	10/24/94	Downgradient	20.0 - 36.99	CLAYEY SILT/SILT	Detection
MW-11	11/17/94	Downgradient	19.01 - 34.22	SILT/SANDY SILT	Detection
MW-11D	11/15/94	Downgradient	81.82 - 91.79	SANDY SILT/GRAVELY SILT	Detection
MW-12	10/21/94	Downgradient	3.33 - 17.22	SILTY CLAY/SILTY SAND/SANDY SILT	Detection
MW-12D	10/27/94	Downgradient	31.98 - 42.2	SILTY GRAVEL	Detection

BGS = below ground surface.

* Monitoring Program = status as of September 2010

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED DSG
DRAWN RWH
CHECKED GVB
APPROVED GVB
DATE 10/31/11

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JOYCE ENGINEERING
2211 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

PIEDMONT LANDFILL AND RECYCLING CENTER
KERNERSVILLE, NORTH CAROLINA

GROUNDWATER SURFACE MAP
SEPTEMBER 14, 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 09-14-11.dwg Layout=Layout1

Results of the Ground Water Statistics for

Piedmont Landfill

Second Semi-Annual Monitoring Event in 2011

Prepared for:
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Kernersville, North Carolina

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October 2011

Introduction

This report contains the results of the statistical analysis used to evaluate the ground water data obtained during the second 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 September 14, 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 second 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 September 2011 monitoring event. Historical VOC detections are summarized in Attachment C.

Attachment A

Summary of the Ground Water Data obtained during the Second Semi-Annual Monitoring Event in 2011

Table 1

Analytical Data Summary for 9/14/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
0,0,0-triethylphosphorothioate	UG/L									
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
1,1-dichloropropene	UG/L									
1,2,3-trichloropropane	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,2,4,5-tetrachlorobenzene	UG/L									
1,2,4-trichlorobenzene	UG/L									
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
1,3,5-trinitrobenzene	UG/L									
1,3-dichlorobenzene	UG/L									
1,3-dichloropropane	UG/L									
1,3-dinitrobenzene	UG/L									
1,4-dichlorobenzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
1,4-naphthoquinone	UG/L									
1,4-phenylenediamine	UG/L									
1-naphthylamine	UG/L									
2,2-dichloropropane	UG/L									
2,3,4,6-tetrachlorophenol	UG/L									
2,4,5-t	UG/L									
2,4,5-tp (silvex)	UG/L									
2,4,5-trichlorophenol	UG/L									
2,4,6-trichlorophenol	UG/L									
2,4-d	UG/L									
2,4-dichlorophenol	UG/L									
2,4-dimethylphenol	UG/L									
2,4-dinitrophenol	UG/L									
2,4-dinitrotoluene	UG/L									
2,6-dichlorophenol	UG/L									
2,6-dinitrotoluene	UG/L									
2-acetylaminofluorene	UG/L									
2-chloronaphthalene	UG/L									
2-chlorophenol	UG/L									
2-hexanone	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
2-methyl-4-,6-dinitrophenol	UG/L									
2-methylnaphthalene	UG/L									
2-methylphenol	UG/L									
2-naphthylamine	UG/L									
2-nitroaniline	UG/L									
2-nitrophenol	UG/L									
3 + 4 methylphenol	UG/L									
3,3'-dichlorobenzidine	UG/L									
3,3'-dimethylbenzidine	UG/L									
3-chloropropene	UG/L									
3-methylcholanthrene	UG/L									
3-nitroaniline	UG/L									
4,4'-ddd	UG/L									

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
0,0,0-triethylphosphorothioate	<10.0000										
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	<200.0000
1,1,1-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<200.0000
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	<120.0000
1,1,2-trichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<200.0000
1,1-dichloroethane	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<200.0000
1,1-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<200.0000
1,1-dichloropropene	<1.0000										
1,2,3-trichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<320.0000
1,2,4,5-tetrachlorobenzene	<10.0000										
1,2,4-trichlorobenzene	<10.0000										
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	<520.0000
1,2-dibromoethane (edb)	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
1,2-dichlorobenzene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<400.0000
1,2-dichloroethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
1,2-dichloropropane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
1,3,5-trinitrobenzene	<10.0000										
1,3-dichlorobenzene	<1.0000										
1,3-dichloropropane	<1.0000										
1,3-dinitrobenzene	<10.0000										
1,4-dichlorobenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
1,4-naphthoquinone	<10.0000										
1,4-phenylenediamine	<10.0000										
1-naphthylamine	<10.0000										
2,2-dichloropropane	<1.0000										
2,3,4,6-tetrachlorophenol	<10.0000										
2,4,5-t	<.5000										
2,4,5-tp (silvex)	<.5000										
2,4,5-trichlorophenol	<10.0000										
2,4,6-trichlorophenol	<10.0000										
2,4-d	<.5000										
2,4-dichlorophenol	<10.0000										
2,4-dimethylphenol	<10.0000										
2,4-dinitrophenol	<10.0000										
2,4-dinitrotoluene	<10.0000										
2,6-dichlorophenol	<10.0000										
2,6-dinitrotoluene	<10.0000										
2-acetylaminofluorene	<10.0000										
2-chloronaphthalene	<10.0000										
2-chlorophenol	<10.0000										
2-hexanone	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<2000.0000
2-methyl-4-,6-dinitrophenol	<10.0000										
2-methylnaphthalene	<10.0000										
2-methylphenol	<10.0000										
2-naphthylamine	<10.0000										
2-nitroaniline	<10.0000										
2-nitrophenol	<10.0000										
3 + 4 methylphenol	<10.0000										
3,3'-dichlorobenzidine	<10.0000										
3,3'-dimethylbenzidine	<10.0000										
3-chloropropene	<2.0000										
3-methylcholanthrene	<10.0000										
3-nitroaniline	<10.0000										
4,4'-ddd	<.0500										

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
4,4'-dde	UG/L									
4,4'-ddt	UG/L									
4-aminobiphenyl	UG/L									
4-bromophenyl phenyl ether	UG/L									
4-chloro-3-methylphenol	UG/L									
4-chloroaniline	UG/L									
4-chlorophenyl phenyl ether	UG/L									
4-nitroaniline	UG/L									
4-nitrophenol	UG/L									
5-nitro-o-toluidine	UG/L									
7,12-dimethylbenz(a)anthracene	UG/L									
Acenaphthene	UG/L									
Acenaphthylene	UG/L									
Acetone	UG/L	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000
Acetonitrile	UG/L									
Acetophenone	UG/L									
Acrolein	UG/L									
Acrylonitrile	UG/L	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000
Aldrin	UG/L									
Alkalinity, bicarbonate (as caco3)	MG/L									
Alkalinity, carbonate (as caco3)	MG/L									
Alkalinity, total (as caco3)	MG/L	28.0000	60.0000	64.0000	39.0000	44.0000	160.0000	14.0000	55.0000	31.0000
Alpha-bhc	UG/L									
Ammonia	MG/L	<.0400	<.0400	<.0400	<.0400	.0900	<.0400	.0830	<.0400	<.0400
Anthracene	UG/L									
Antimony, total	UG/L	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000
Aroclor 1016	UG/L									
Aroclor 1221	UG/L									
Aroclor 1232	UG/L									
Aroclor 1242	UG/L									
Aroclor 1248	UG/L									
Aroclor 1254	UG/L									
Aroclor 1260	UG/L									
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	100.0000
Benzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Benzo(a)anthracene	UG/L									
Benzo(a)pyrene	UG/L									
Benzo(b)fluoranthene	UG/L									
Benzo(ghi)perylene	UG/L									
Benzo(k)fluoranthene	UG/L									
Benzyl alcohol	UG/L									
Beryllium, total	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Beta-bhc	UG/L									
Biochemical oxygen demand	MG/L									
Bis(2-chloroethoxy) methane	UG/L									
Bis(2-chloroisopropyl)ether	UG/L									
Bis(2-ethylhexyl) phthalate	UG/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
Butyl benzyl phthalate	UG/L									
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									

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
4,4'-dde	<.0500										
4,4'-ddt	<.0500										
4-aminobiphenyl	<10.0000										
4-bromophenyl phenyl ether	<10.0000										
4-chloro-3-methylphenol	<10.0000										
4-chloroaniline	<10.0000										
4-chlorophenyl phenyl ether	<10.0000										
4-nitroaniline	<10.0000										
4-nitrophenol	<10.0000										
5-nitro-o-toluidine	<10.0000										
7,12-dimethylbenz(a)anthracene	<10.0000										
Acenaphthene	<10.0000										
Acenaphthylene	<10.0000										
Acetone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<4000.0000
Acetonitrile	<30.0000										
Acetophenone	<10.0000										
Acrolein	<20.0000										
Acrylonitrile	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<200.0000	<8000.0000
Aldrin	<.0500										
Alkalinity, bicarbonate (as caco3)	190.0000										1600.0000
Alkalinity, carbonate (as caco3)	<5.0000										<5.0000
Alkalinity, total (as caco3)	190.0000	60.0000	93.0000	39.0000	63.0000	110.0000					1600.0000
Alpha-bhc	<.0500										
Ammonia	<.0400	<.0400	<.0400	<.0400	<.0400	<.0400					390.0000
Anthracene	<10.0000										
Antimony, total	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	<6.0000	25.0000
Aroclor 1016	<1.9000										
Aroclor 1221	<1.9000										
Aroclor 1232	<1.9000										
Aroclor 1242	<1.9000										
Aroclor 1248	<1.9000										
Aroclor 1254	<1.9000										
Aroclor 1260	<1.9000										
Arsenic, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	59.0000
Barium, total	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	260.0000
Benzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
Benzo(a)anthracene	<10.0000										
Benzo(a)pyrene	<10.0000										
Benzo(b)fluoranthene	<10.0000										
Benzo(ghi)perylene	<10.0000										
Benzo(k)fluoranthene	<10.0000										
Benzyl alcohol	<10.0000										
Beryllium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Beta-bhc	<.0500										
Biochemical oxygen demand											<25.0000
Bis(2-chloroethoxy) methane	<10.0000										
Bis(2-chloroisopropyl)ether	<10.0000										
Bis(2-ethylhexyl) phthalate	<5.0000										
Bromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<120.0000
Bromoform	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<120.0000
Bromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<400.0000
Butyl benzyl phthalate	<10.0000										
Cadmium, total	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Calcium, total recoverable	43.0000										23.0000

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
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									
Chlordane	UG/L									
Chlordane-alpha	UG/L									
Chlordane-gamma	UG/L									
Chloride	MG/L	5.3000	9.0000	6.2000	3.8000	5.1000	10.0000	2.3000	5.3000	4.6000
Chlorobenzene	UG/L	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000
Chlorobenzilate	UG/L									
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
Chloroprene	UG/L									
Chromium, total	UG/L	<10.0000	<10.0000	13.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Chrysene	UG/L									
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
Cyanide, total	MG/L									
Delta-bhc	UG/L									
Di-n-butyl phthalate	UG/L									
Di-n-octyl phthalate	UG/L									
Diallate	UG/L									
Dibenz[a,h]anthracene	UG/L									
Dibenzofuran	UG/L									
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
Dichlorodifluoromethane	UG/L									
Dieldrin	UG/L									
Diethyl phthalate	UG/L									
Dimethoate	UG/L									
Dimethyl phthalate	UG/L									
Dinoseb	UG/L									
Disulfoton	UG/L									
Do (field)	MG/L	1.6000	1.1000	2.9000	.8000	1.2000	.6000	1.8000	2.3000	1.3000
Eh/orp (field)	mV	95.3000	297.0000	75.3000	194.0000	136.0000	75.9000	34.7000	167.0000	184.0000
Endosulfan i	UG/L									
Endosulfan ii	UG/L									
Endosulfan sulfate	UG/L									
Endrin	UG/L									
Endrin aldehyde	UG/L									
Ethyl methacrylate	UG/L									
Ethyl methane sulfonate	UG/L									
Ethylbenzene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Famphur	UG/L									
Fluoranthene	UG/L									
Fluorene	UG/L									
Gamma-bhc (lindane)	UG/L									
Groundwater elev.	FT MSL	878.5100	747.5800	742.5800	742.0100	741.9500	736.3400	775.4700	744.4800	739.2800
Heptachlor	UG/L									
Heptachlor epoxide	UG/L									
Hexachlorobenzene	UG/L									

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
Carbon disulfide	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<4000.0000
Carbon tetrachloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
Chemical oxygen demand											<500.0000
Chlordane	<.5000										
Chlordane-alpha	<.0500										
Chlordane-gamma	<.0500										
Chloride	11.0000	2.9000	2.7000	.9400	4.6000	4.4000					380.0000
Chlorobenzene	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<120.0000
Chlorobenzilate	<10.0000										
Chloroethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<400.0000
Chloroform	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<200.0000
Chloromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
Chloroprene	<1.0000										
Chromium, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	14.0000
Chrysene	<10.0000										
Cis-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<200.0000
Cis-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
Cobalt, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000
Copper, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	150.0000
Cyanide, total	<.0100										
Delta-bhc	<.0500										
Di-n-butyl phthalate	<10.0000										
Di-n-octyl phthalate	<10.0000										
Diallate	<10.0000										
Dibenz[a,h]anthracene	<10.0000										
Dibenzofuran	<10.0000										
Dibromochloromethane	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<3.0000	<120.0000
Dibromomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<400.0000
Dichlorobromomethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
Dichlorodifluoromethane	<2.0000										
Dieldrin	<.0500										
Diethyl phthalate	<10.0000										
Dimethoate	<10.0000										
Dimethyl phthalate	<10.0000										
Dinoseb	<.5000										
Disulfoton	<10.0000										
Do (field)	.9000	3.2000	1.2000	3.7000	1.1000	.8000	5.7000	5.5000	5.8000	4.8000	2.8000
Eh/orp (field)	82.3000	116.0000	140.0000	125.0000	126.0000	129.0000	84.4000	82.8000	102.0000	88.3000	<.0000
Endosulfan i	<.0500										
Endosulfan ii	<.0500										
Endosulfan sulfate	<.0500										
Endrin	<.0500										
Endrin aldehyde	<.0500										
Ethyl methacrylate	<3.0000										
Ethyl methane sulfonate	<10.0000										
Ethylbenzene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<200.0000
Famphur	<10.0000										
Fluoranthene	<10.0000										
Fluorene	<10.0000										
Gamma-bhc (lindane)	<.0500										
Groundwater elev.	735.8000	742.7000	746.6400	746.2600	744.3500	744.6100					
Heptachlor	<.0500										
Heptachlor epoxide	<.0500										
Hexachlorobenzene	<10.0000										

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
Hexachlorobutadiene	UG/L									
Hexachlorocyclopentadiene	UG/L									
Hexachloroethane	UG/L									
Hexachloropropene	UG/L									
Indeno(1,2,3-cd)pyrene	UG/L									
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									
Isobutanol	UG/L									
Isodrin	UG/L									
Isophorone	UG/L									
Isosafrole	UG/L									
Kepone	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									
Manganese, total recoverable	UG/L									
Mercury, total	UG/L									
Methacrylonitrile	UG/L									
Methapyrilene	UG/L									
Methoxychlor	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
Methyl methacrylate	UG/L									
Methyl methanesulfonate	UG/L									
Methyl parathion	UG/L									
Methylene chloride	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
N-nitroso-di-n-propylamine	UG/L									
N-nitrosodi-n-butylamine	UG/L									
N-nitrosodiethylamine	UG/L									
N-nitrosodimethylamine	UG/L									
N-nitrosodiphenylamine	UG/L									
N-nitrosomethylethylamine	UG/L									
N-nitrosopiperidine	UG/L									
N-nitrosopyrrolidine	UG/L									
Naphthalene	UG/L									
Nickel, total	UG/L	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Nitrobenzene	UG/L									
Nitrogen, nitrate	MG/L									
O-toluidine	UG/L									
P-dimethylaminoazobenzene	UG/L									
Parathion	UG/L									
Pentachlorobenzene	UG/L									
Pentachloronitrobenzene	UG/L									
Pentachlorophenol	UG/L									
pH FIELD	PH UNITS	5.6700	5.2200	5.5000	5.3200	6.1700	5.7200	5.0600	5.7800	5.4100
Phenacetin	UG/L									
Phenanthrene	UG/L									
Phenol	UG/L									
Phorate	UG/L									
Phosphorous, total	MG/L									
Potassium, total	MG/L									
Pronamide	UG/L									
Propionitrile	UG/L									
Pyrene	UG/L									
Safrole	UG/L									

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
Hexachlorobutadiene	<10.0000										
Hexachlorocyclopentadiene	<10.0000										
Hexachloroethane	<10.0000										
Hexachloropropene	<10.0000										
Indeno(1,2,3-cd)pyrene	<10.0000										
Iodomethane	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<400.0000
Iron, total recoverable	<300.0000										1800.0000
Isobutanol	<110.0000										
Isodrin	<10.0000										
Isophorone	<10.0000										
Isosafrole	<10.0000										
Kepone	<20.0000										
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	17.0000										13.0000
Manganese, total recoverable	500.0000										650.0000
Mercury, total	<.2000										<.2000
Methacrylonitrile	<10.0000										
Methapyrilene	<10.0000										
Methoxychlor	<.0500										
Methyl ethyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<4000.0000
Methyl isobutyl ketone	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<100.0000	<4000.0000
Methyl methacrylate	<4.0000										
Methyl methanesulfonate	<10.0000										
Methyl parathion	<10.0000										
Methylene chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
N-nitroso-di-n-propylamine	<10.0000										
N-nitrosodi-n-butylamine	<10.0000										
N-nitrosodiethylamine	<10.0000										
N-nitrosodimethylamine	<10.0000										
N-nitrosodiphenylamine	<10.0000										
N-nitrosomethylethylamine	<10.0000										
N-nitrosopiperidine	<10.0000										
N-nitrosopyrrolidine	<10.0000										
Naphthalene	<10.0000										
Nickel, total	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000
Nitrobenzene	<10.0000										
Nitrogen, nitrate	3.4000										<.5000
O-toluidine	<10.0000										
P-dimethylaminoazobenzene	<10.0000										
Parathion	<10.0000										
Pentachlorobenzene	<10.0000										
Pentachloronitrobenzene	<10.0000										
Pentachlorophenol	<.5000										
pH FIELD	5.7100	5.3500	5.4700	6.2700	5.9100	6.4000	6.9900	7.0600	6.7000	7.1200	7.1500
Phenacetin	<10.0000										
Phenanthrene	<10.0000										
Phenol	<10.0000										
Phorate	<10.0000										
Phosphorous, total											.5800
Potassium, total	<3.0000										61.0000
Pronamide	<10.0000										
Propionitrile	<20.0000										
Pyrene	<10.0000										
Safrole	<10.0000										

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

Table 1

Analytical Data Summary for 9/14/2011

Constituents	Units	3406-MW01	3406-MW02	3406-MW03	3406-MW04	3406-MW04D	3406-MW05	3406-MW06	3406-MW07	3406-MW08
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	73.0000	127.0000	158.0000	75.0000	92.0000	295.0000	36.0000	131.0000	135.0000
Styrene	UG/L	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000
Sulfate	MG/L									
Sulfide	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
Thionazin	UG/L									
Tin, total recoverable	UG/L									
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	76.0000	120.0000	130.0000	77.0000	100.0000	200.0000	49.0000	100.0000	96.0000
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
Toxaphene	UG/L									
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	.4000	2.2000	.3000	1.9000	15.8000	.5000	.9000	4.4000	3.1000
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	15.8000	16.4000	18.3000	16.3000	16.0000	13.7000	16.2000	15.9000	17.4000
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 9/14/2011

Constituents	3406-MW09R	3406-MW10	3406-MW11	3406-MW11D	3406-MW12	3406-MW12D	3406-S02	3406-S03	3406-S04	3406-S05	3406-T01
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	13.0000										200.0000
Specific conductance field	387.0000	116.0000	158.0000	72.0000	140.0000	236.0000	127.0000	104.0000	154.0000	107.0000	4128.0000
Styrene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<400.0000
Sulfate	<10.0000										<10.0000
Sulfide	<1.0000										
Tetrachloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
Thallium, total	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<5.5000	<1.0000
Thionazin	<10.0000										
Tin, total recoverable	<100.0000										
Toluene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<200.0000
Total dissolved solids	260.0000	88.0000	120.0000	76.0000	110.0000	160.0000					1100.0000
Total organic carbon	<1.0000										81.0000
Total suspended solids											6.8000
Total xylenes	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<160.0000
Toxaphene	<.5000										
Trans-1,2-dichloroethene	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<5.0000	<200.0000
Trans-1,3-dichloropropene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
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	<4000.0000
Trichloroethene	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<120.0000
Trichlorofluoromethane	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<200.0000
Turbidity	.5000	.5000	5.1000	16.9000	7.8000	1.5000	.8000	.5000	.7000	2.1000	3.5000
Vanadium, total	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000	<25.0000
Vinyl acetate	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<50.0000	<2000.0000
Vinyl chloride	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<1.0000	<220.0000
Water temperature in deg. celsius field	19.9000	18.5000	16.1000	15.2000	16.4000	15.1000	22.7000	23.0000	21.8000	23.4000	21.6000
Zinc, total	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	<10.0000	120.0000

* - 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	18.5092	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

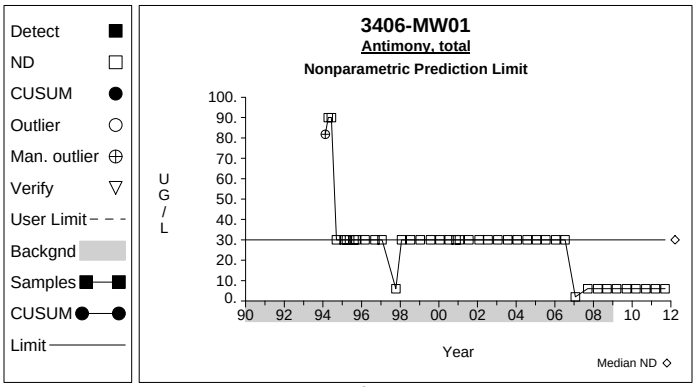
Table 1

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

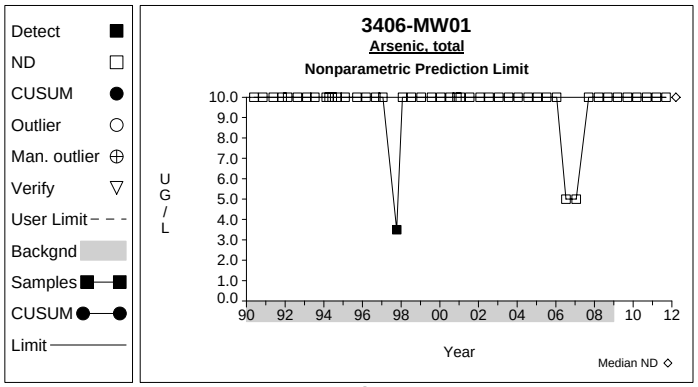
Constituent	Units	Well	N	Mean	SD	S(i-1)	S(i)	Limit
Nickel, total	UG/L	3406-MW12D	31					108.0000**
Selenium, total	UG/L	3406-MW12D	30					20.0000**
Silver, total	UG/L	3406-MW12D	30					10.0000**
Thallium, total	UG/L	3406-MW12D	30					10.0000**
Vanadium, total	UG/L	3406-MW12D	31	72.1000	84.8639	72.1000	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

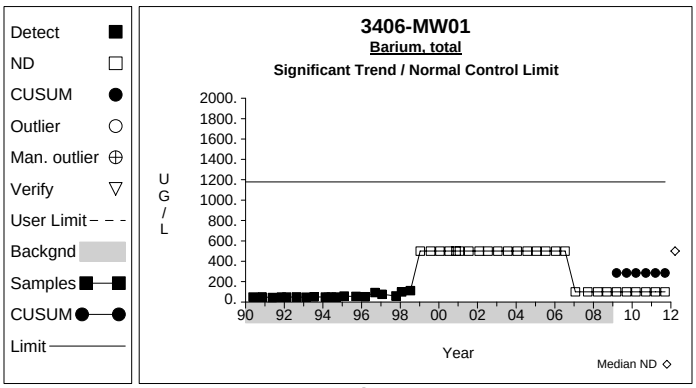
Intra-Well Control Charts



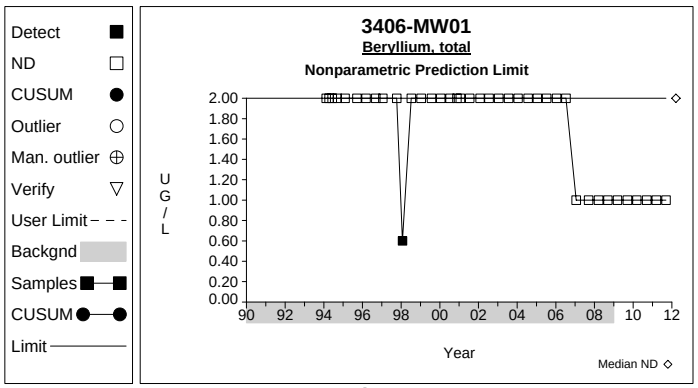
Graph 1



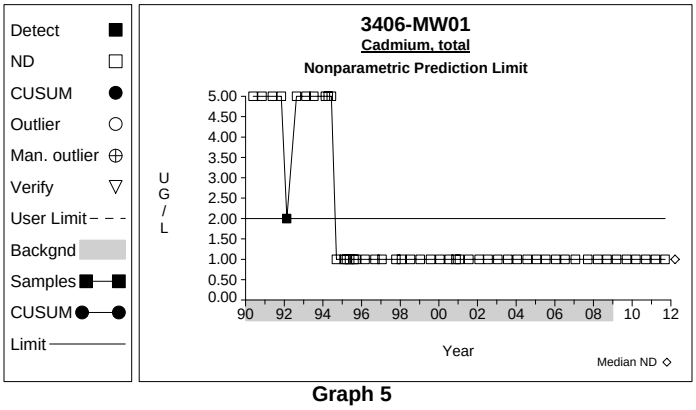
Graph 2



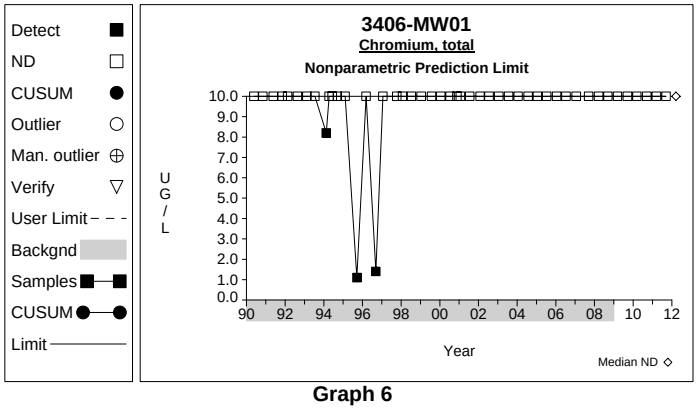
Graph 3



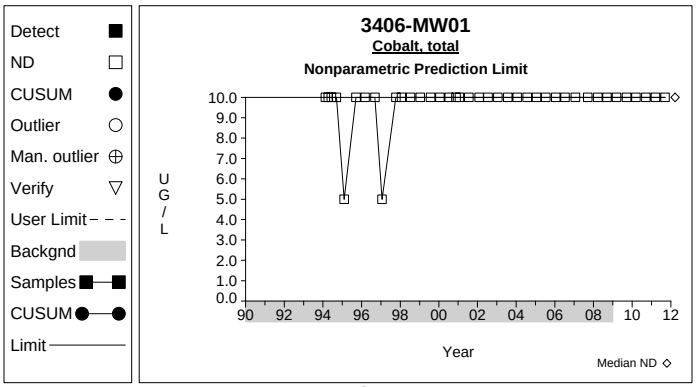
Graph 4



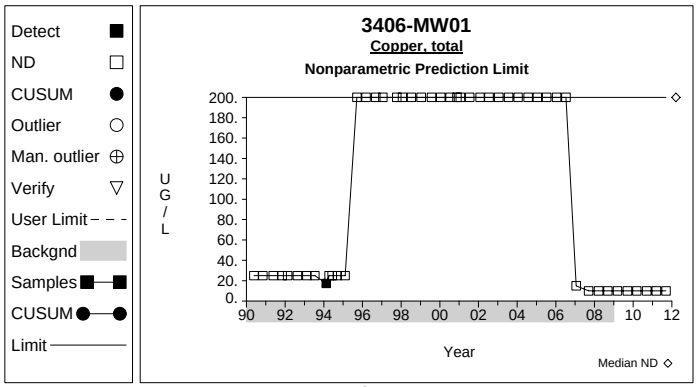
Graph 5



Graph 6

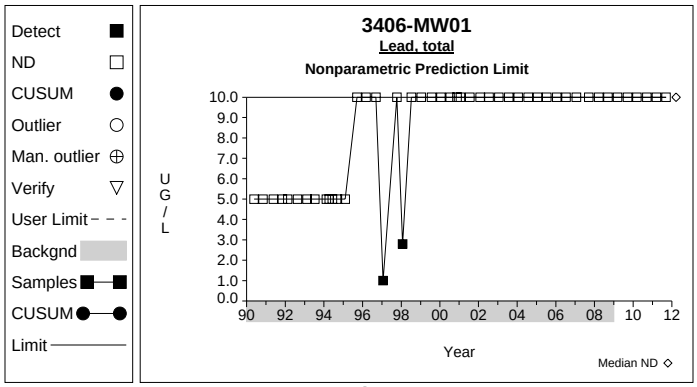


Graph 7

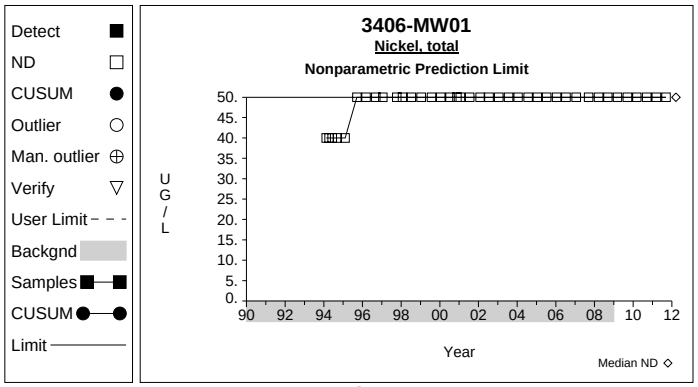


Graph 8

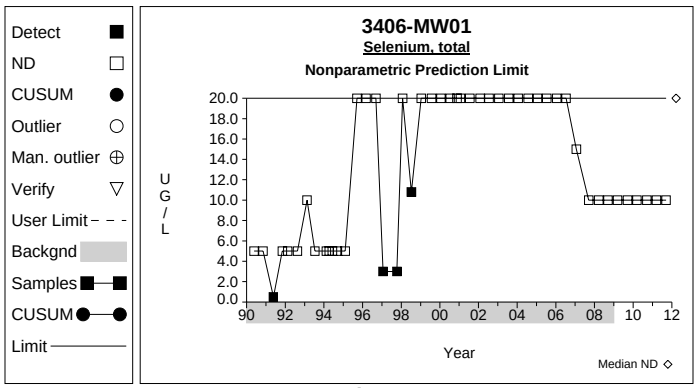
Intra-Well Control Charts



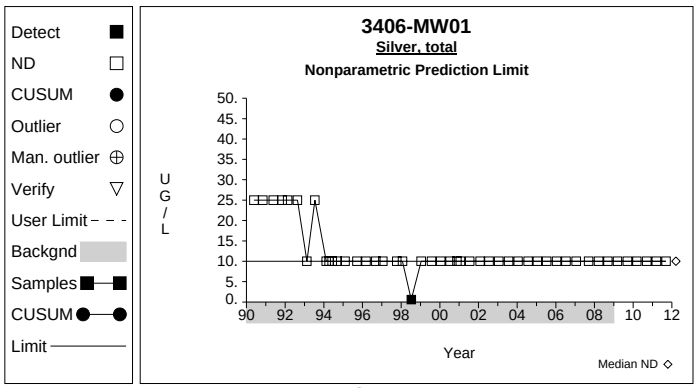
Graph 9



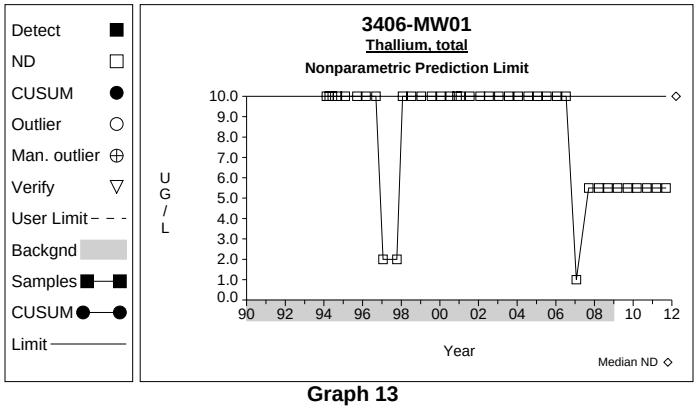
Graph 10



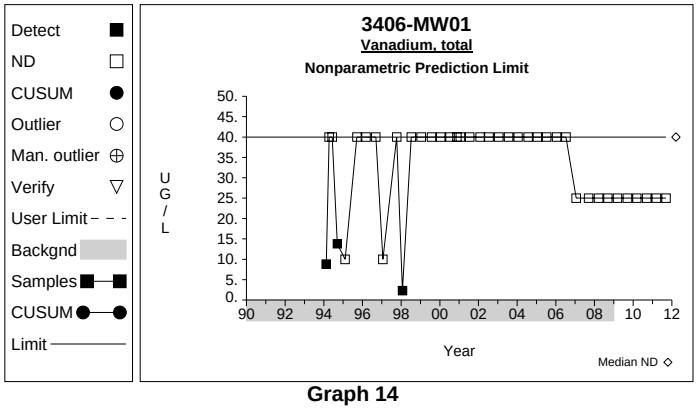
Graph 11



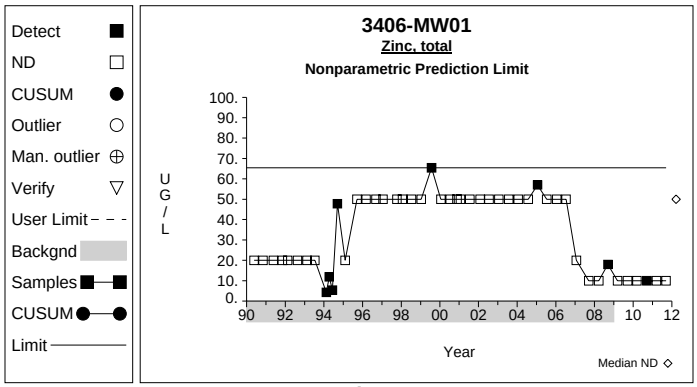
Graph 12



Graph 13

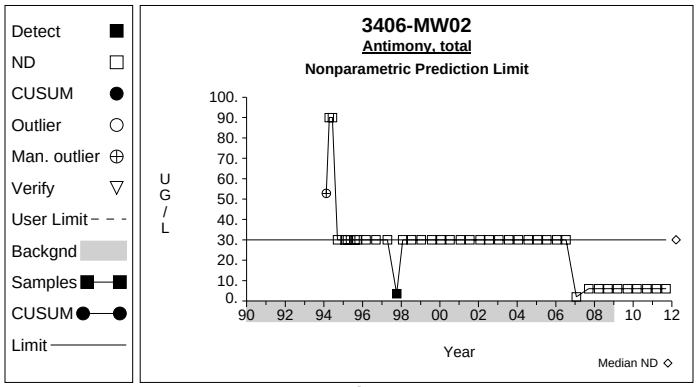


Graph 14

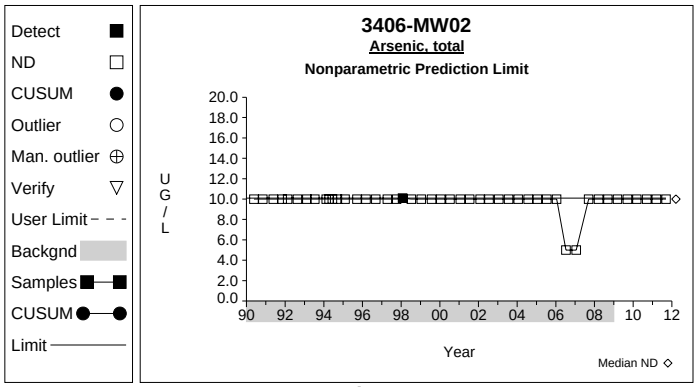


Graph 15

Intra-Well Control Charts



Graph 16



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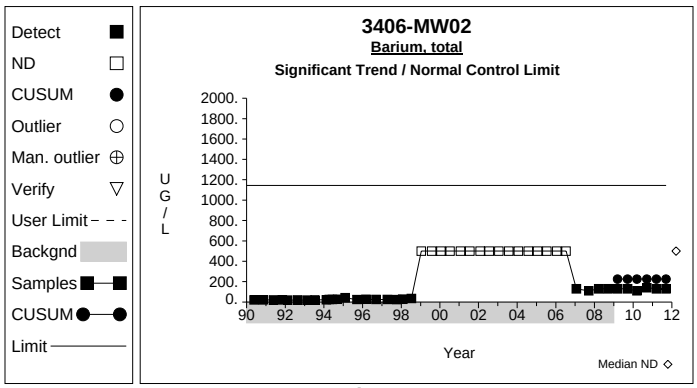
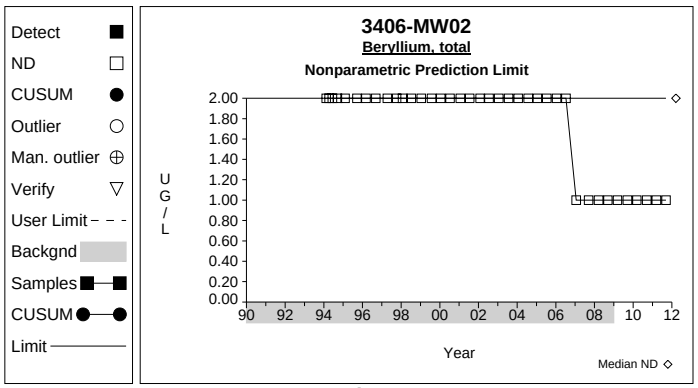


Graph 18



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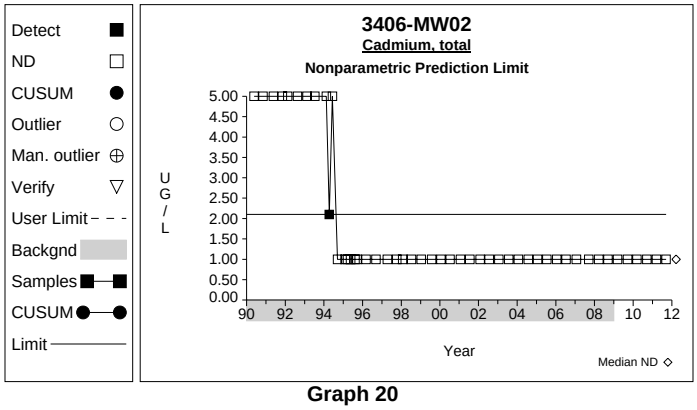
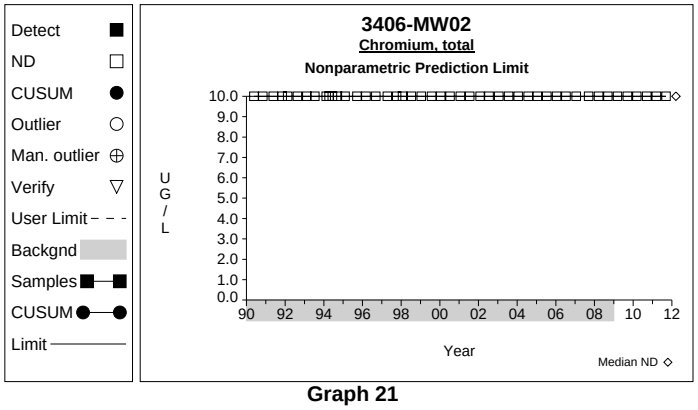


Graph 20



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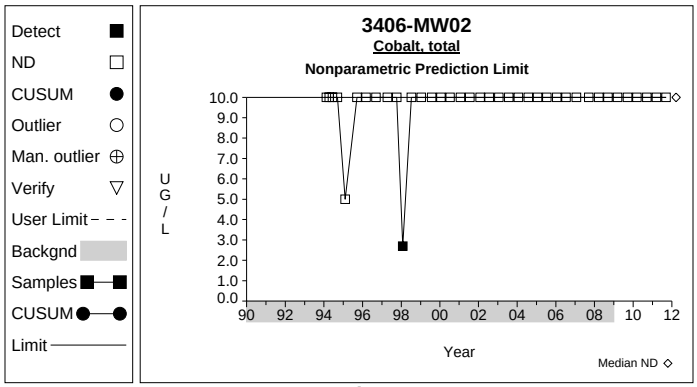
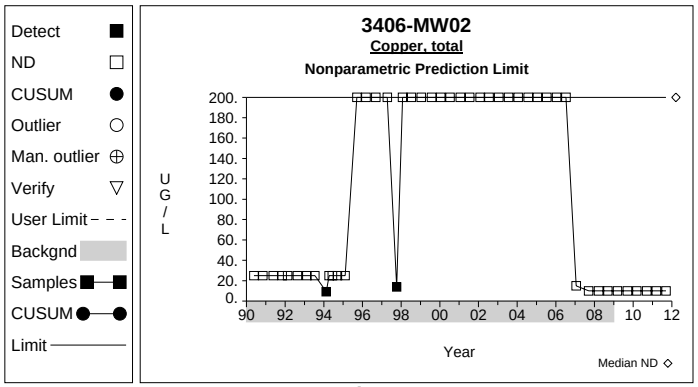
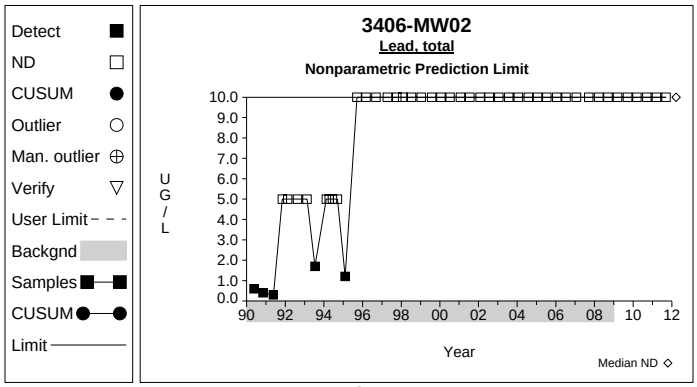


Graph 22

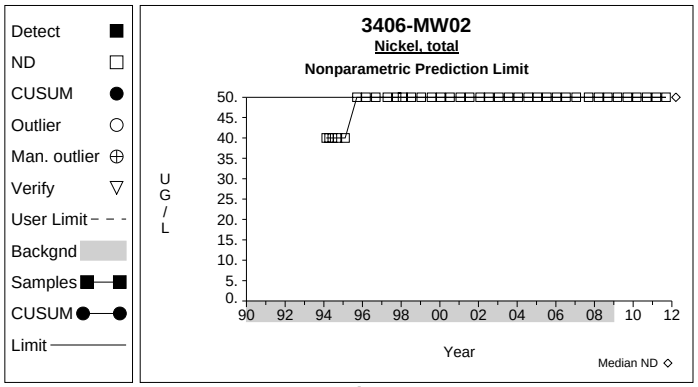


Graph 23

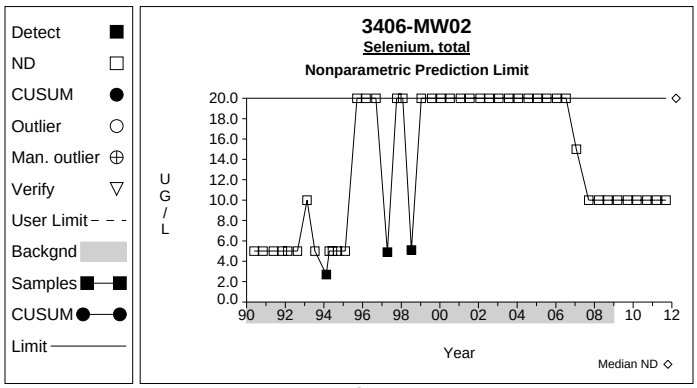
Intra-Well Control Charts



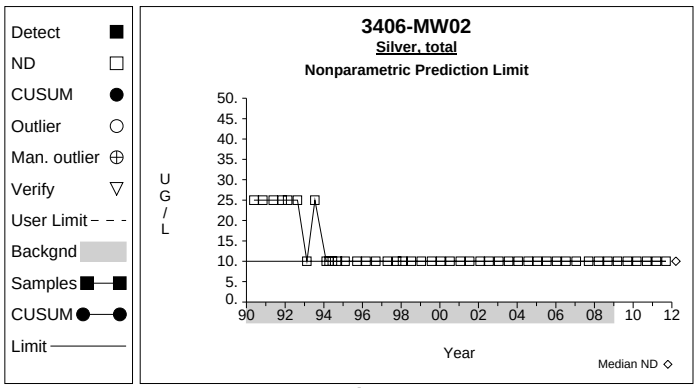
Graph 24



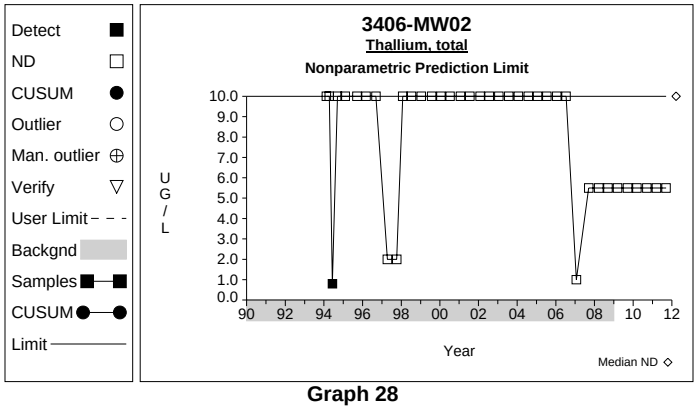
Graph 25



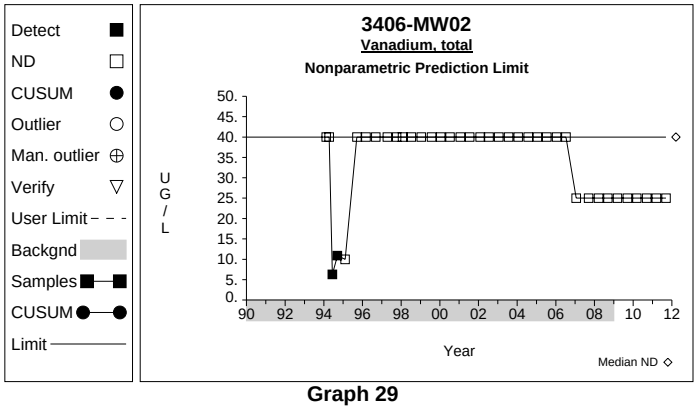
Graph 26



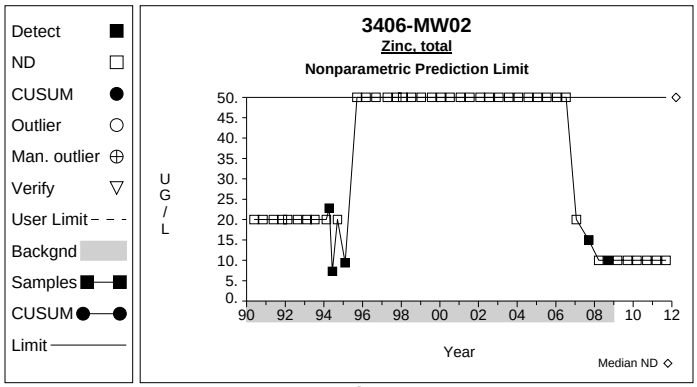
Graph 27



Graph 28

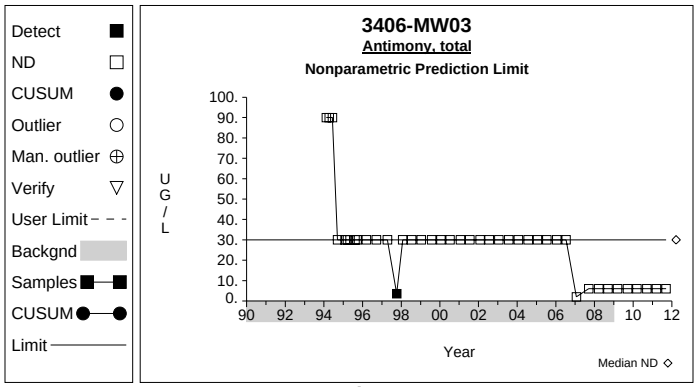


Graph 29

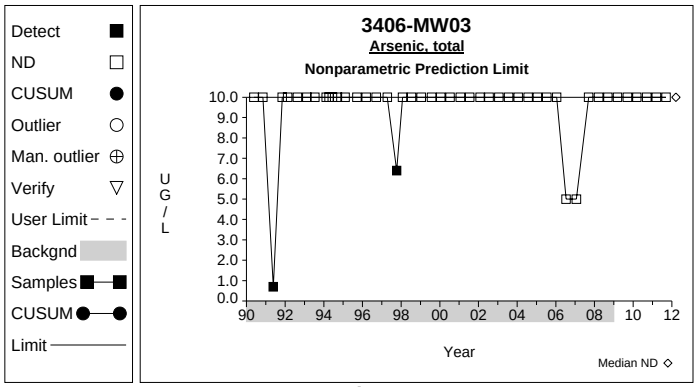


Graph 30

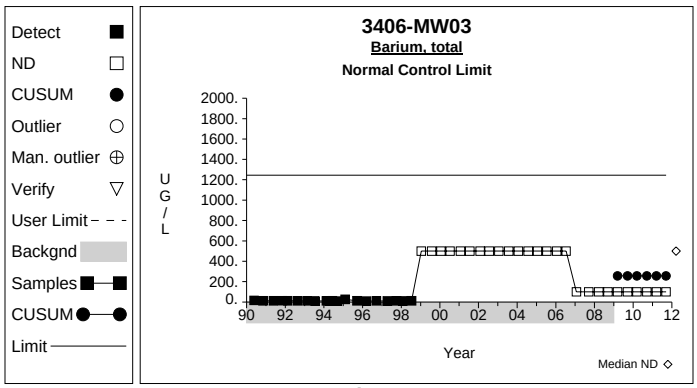
Intra-Well Control Charts



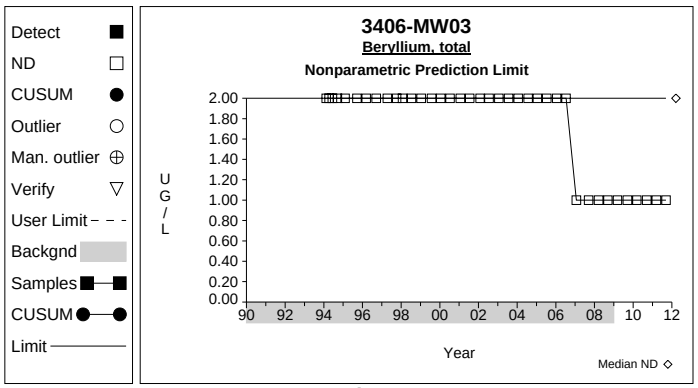
Graph 31



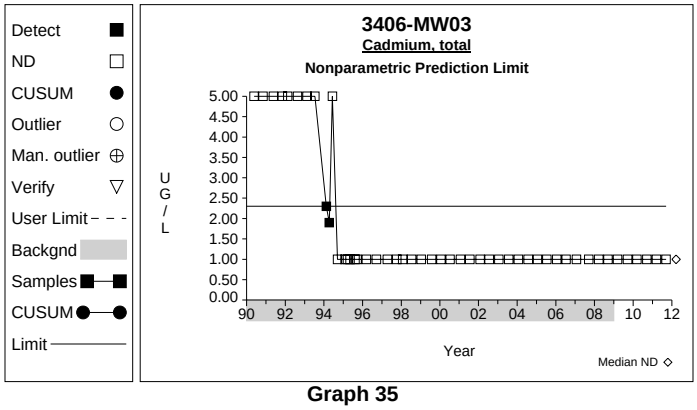
Graph 32



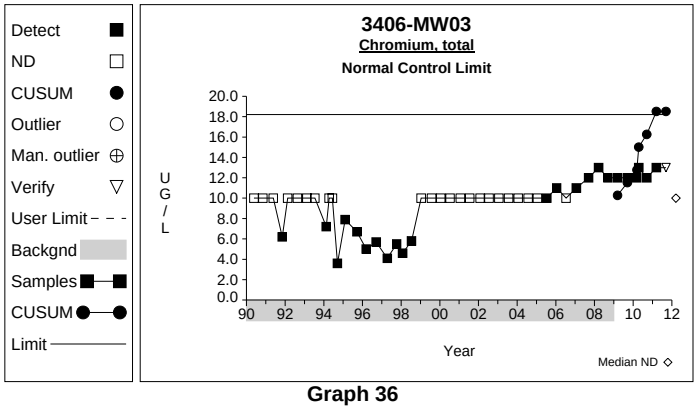
Graph 33



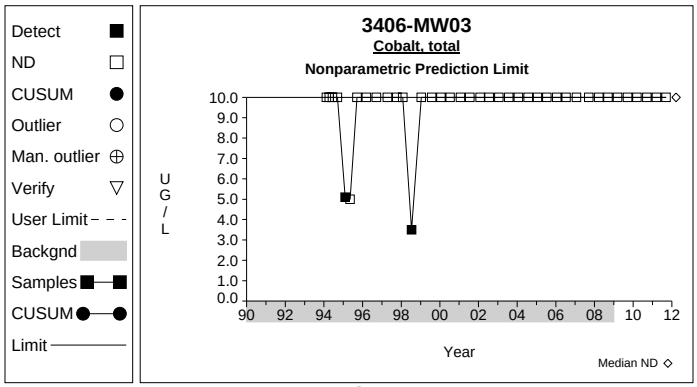
Graph 34



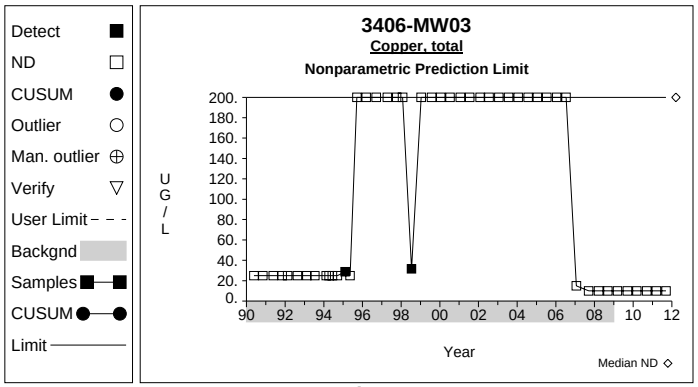
Graph 35



Graph 36

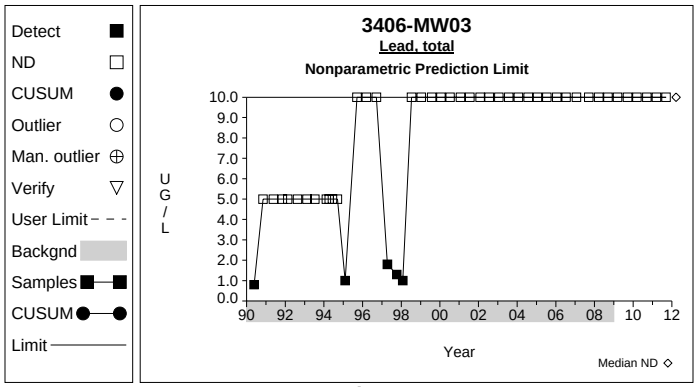


Graph 37

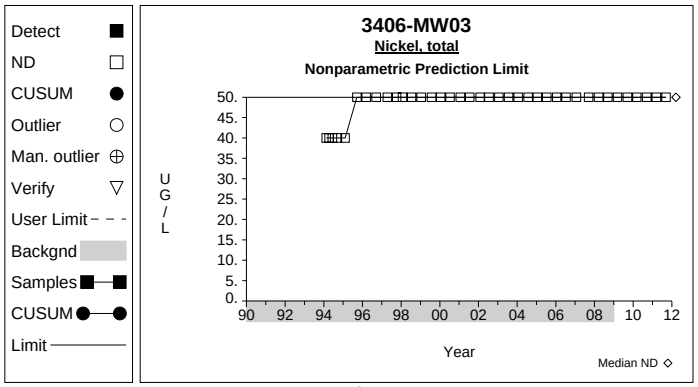


Graph 38

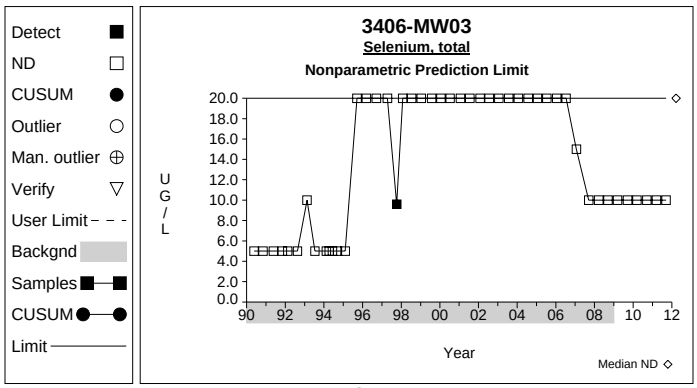
Intra-Well Control Charts



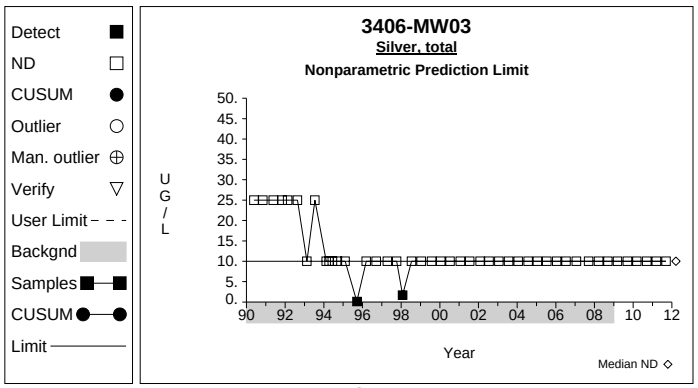
Graph 39



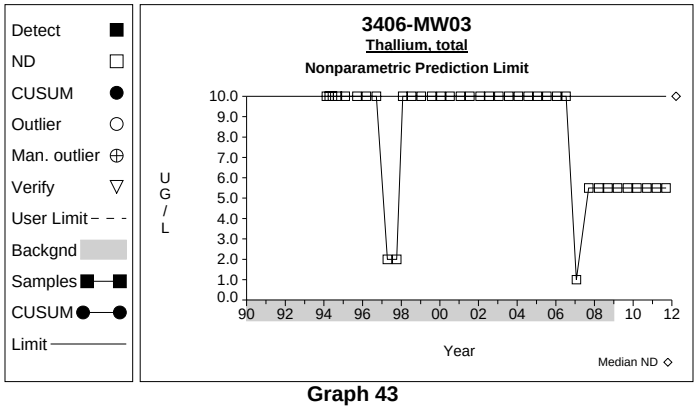
Graph 40



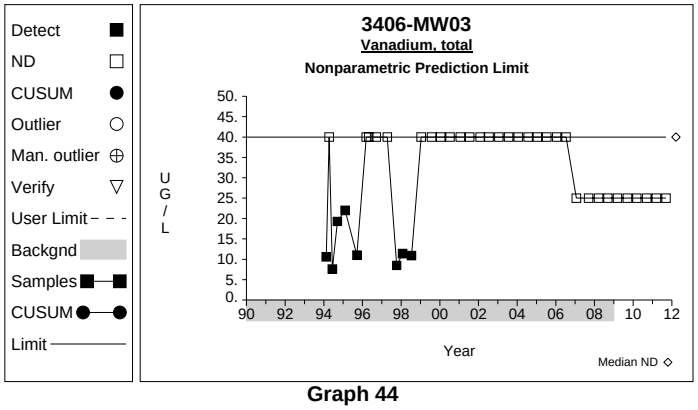
Graph 41



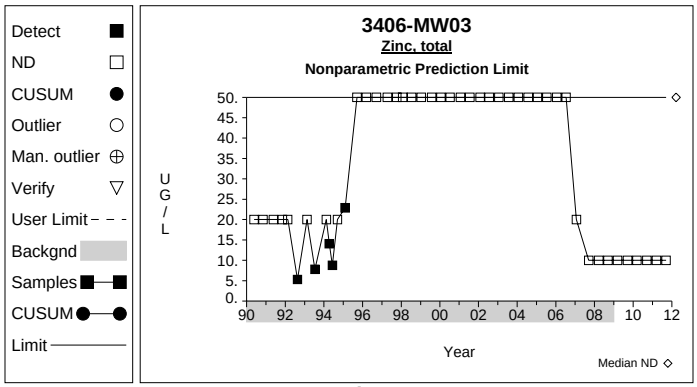
Graph 42



Graph 43

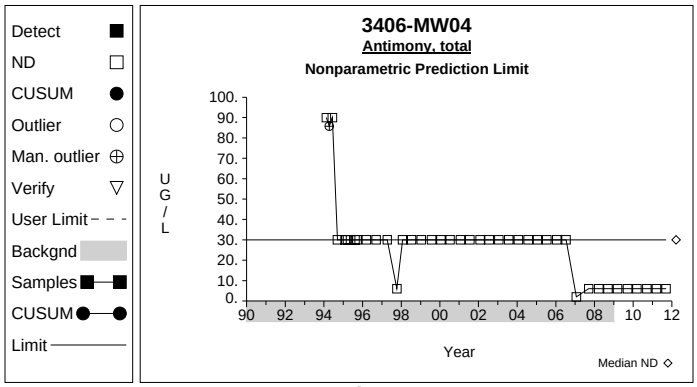


Graph 44

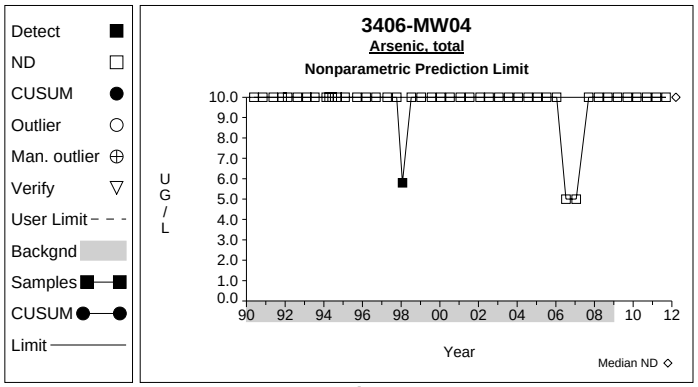


Graph 45

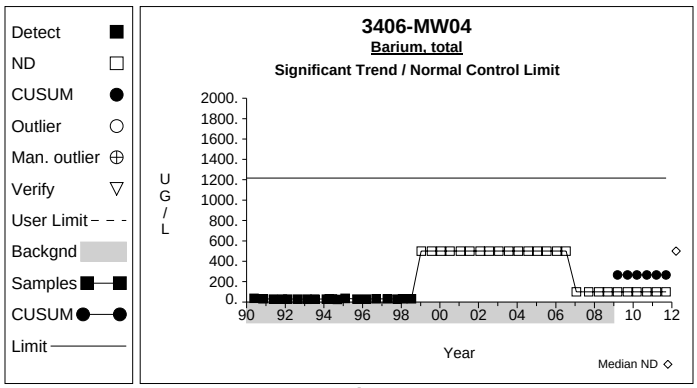
Intra-Well Control Charts



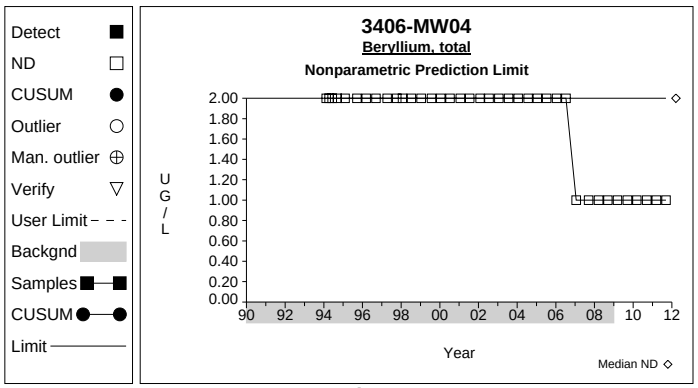
Graph 46



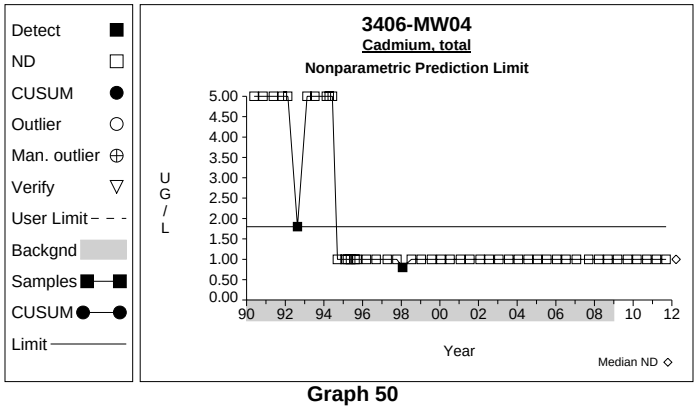
Graph 47



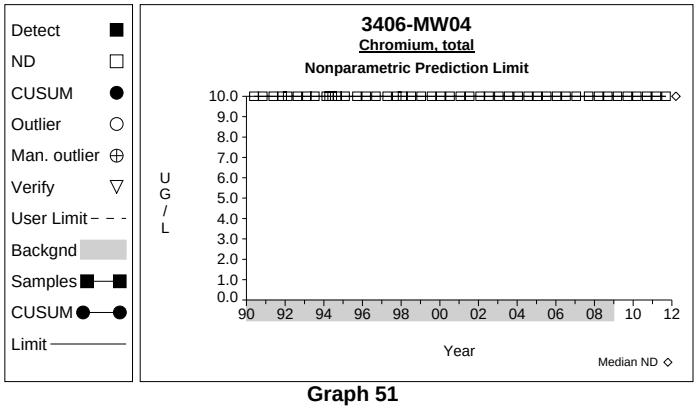
Graph 48



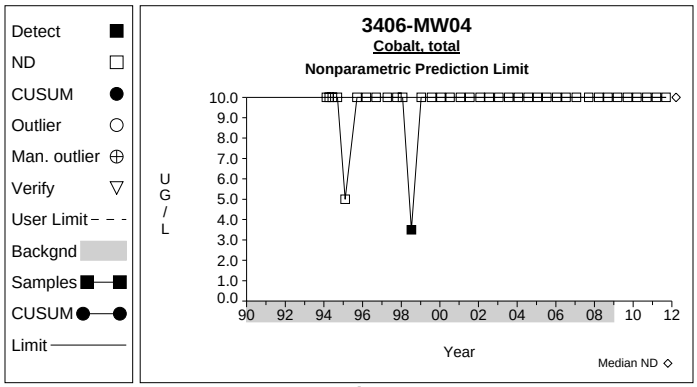
Graph 49



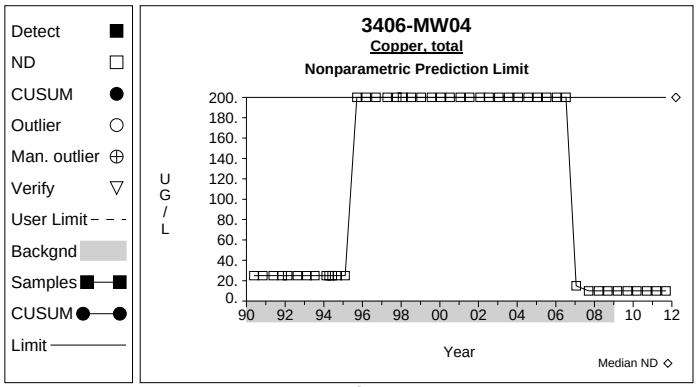
Graph 50



Graph 51

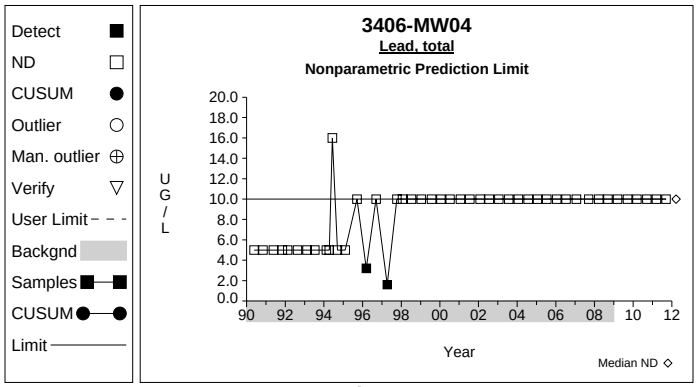


Graph 52

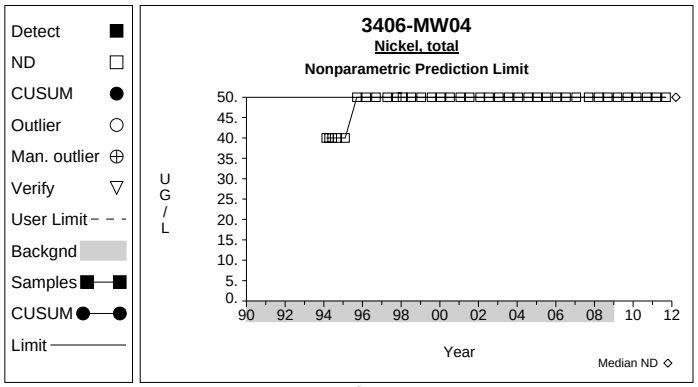


Graph 53

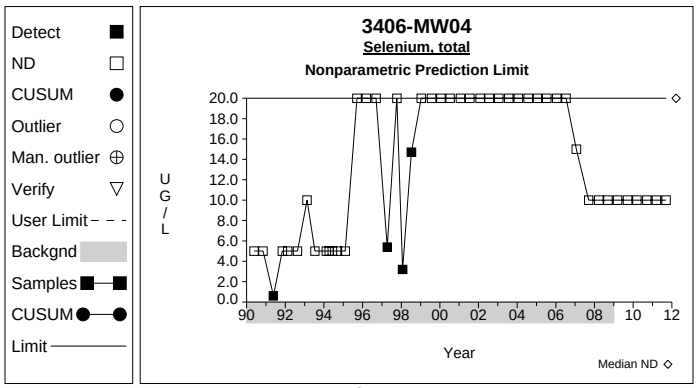
Intra-Well Control Charts



Graph 54



Graph 55



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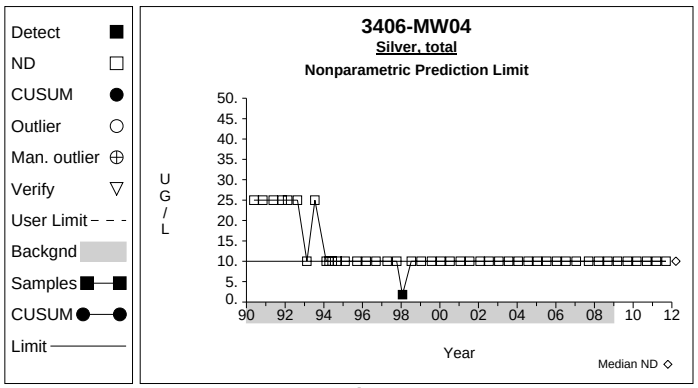

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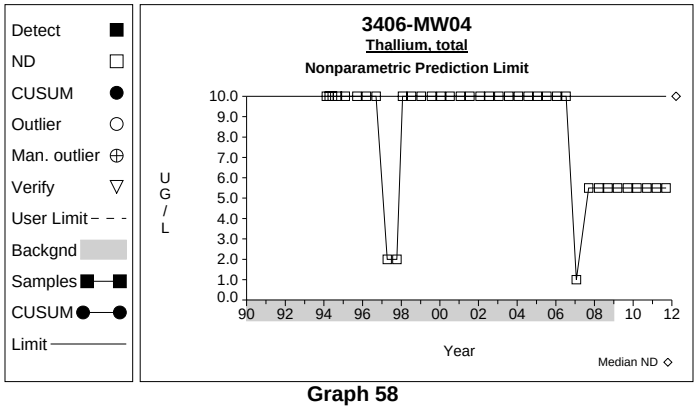
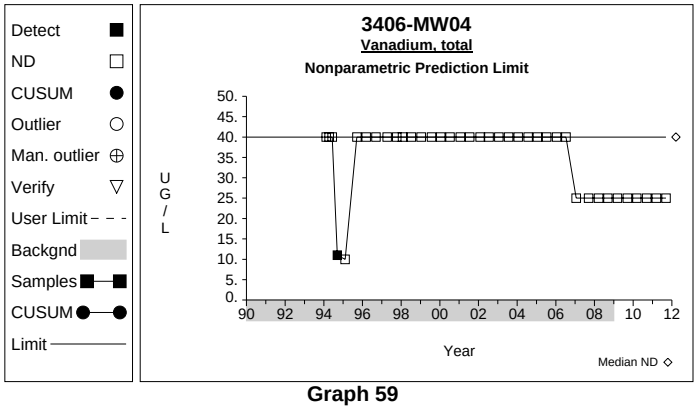
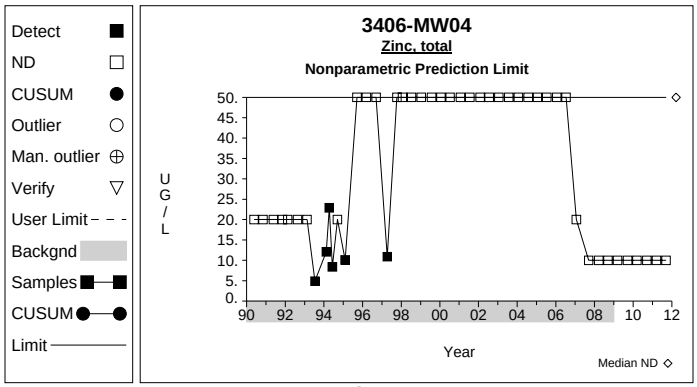


Graph 58

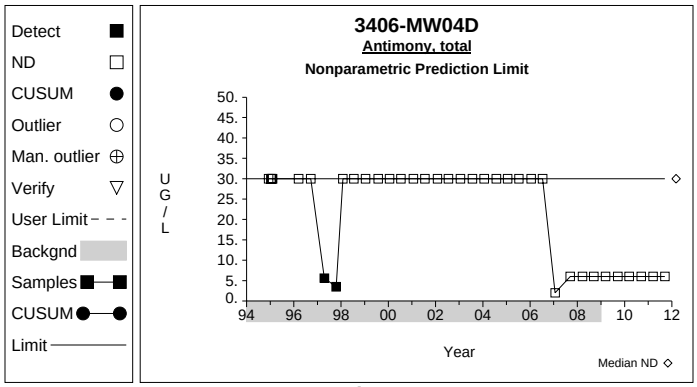


Graph 59

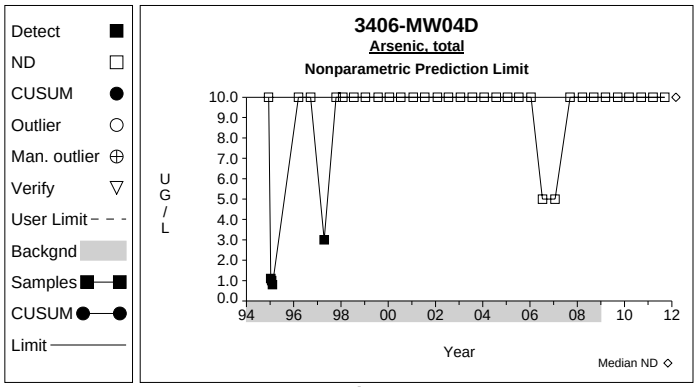


Graph 60

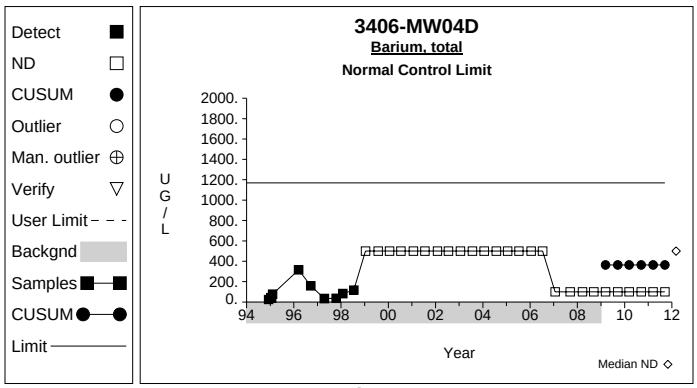
Intra-Well Control Charts



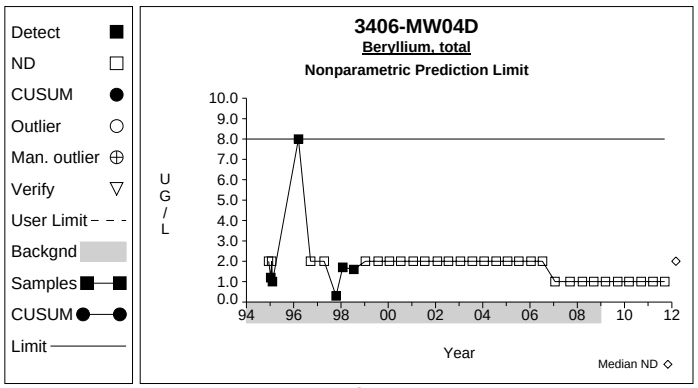
Graph 61



Graph 62



Graph 63



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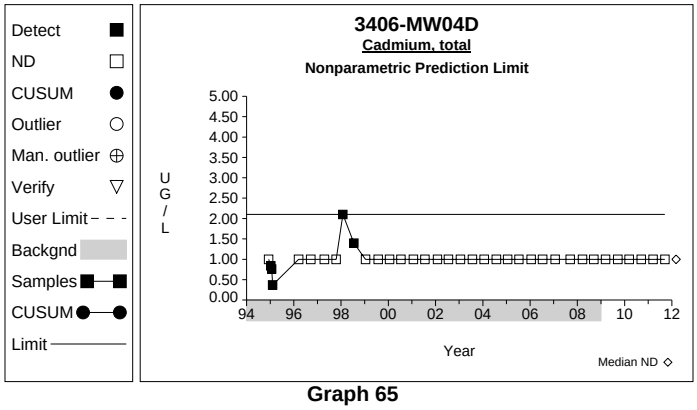
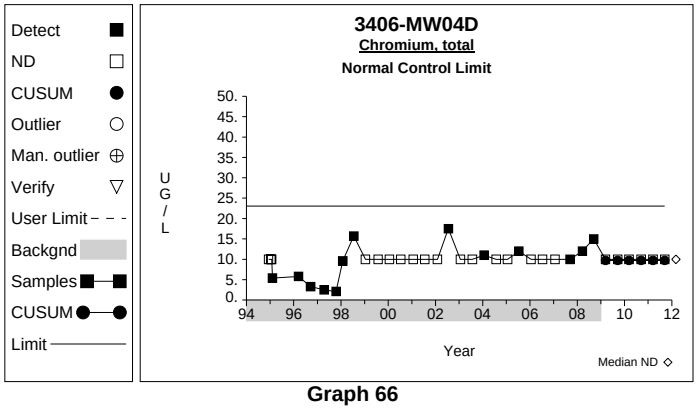


Graph 65



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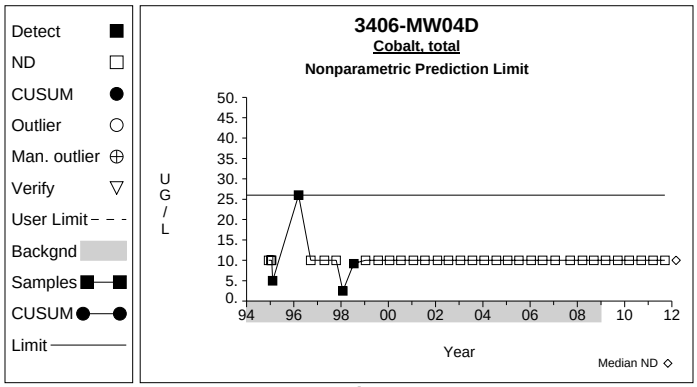
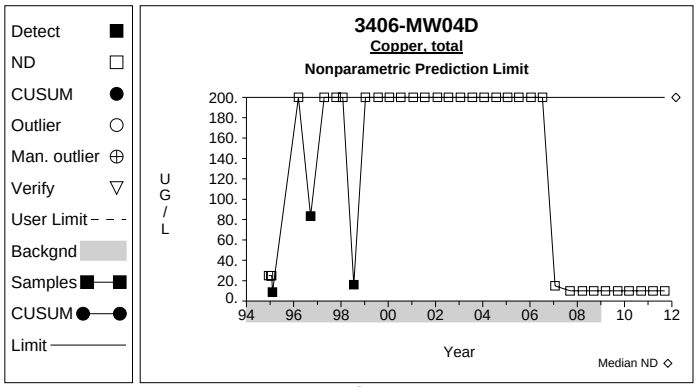
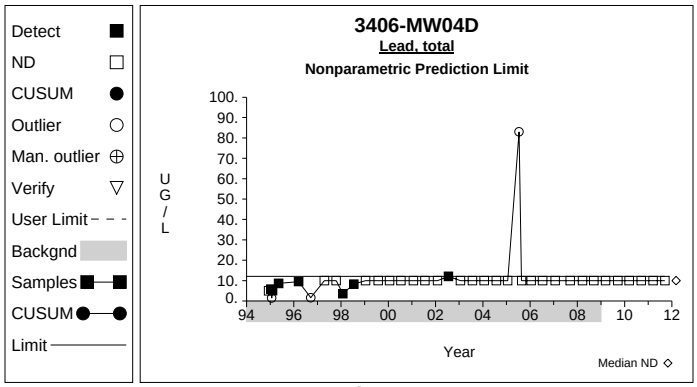


Graph 67

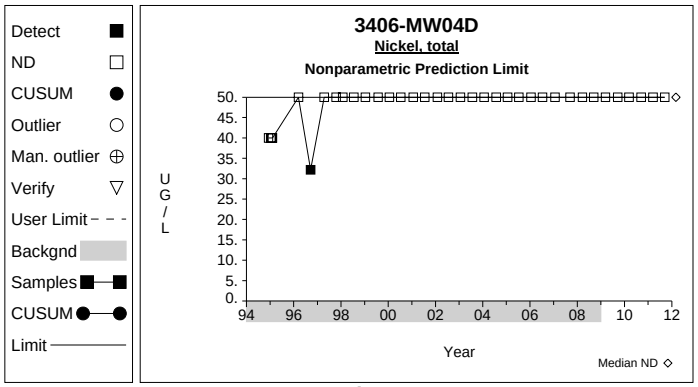


Graph 68

Intra-Well Control Charts



Graph 69



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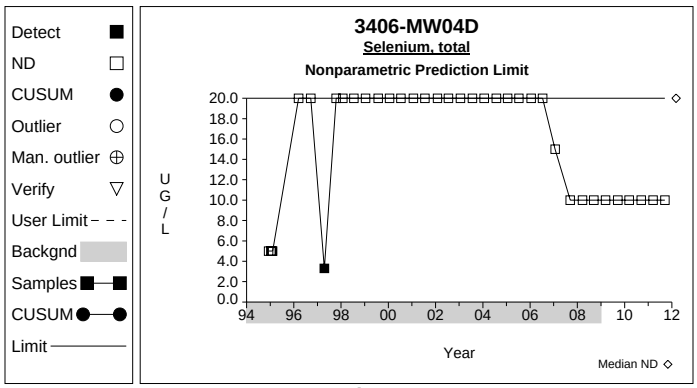

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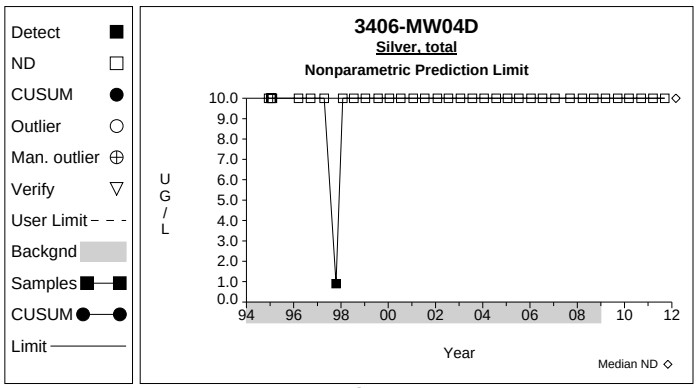
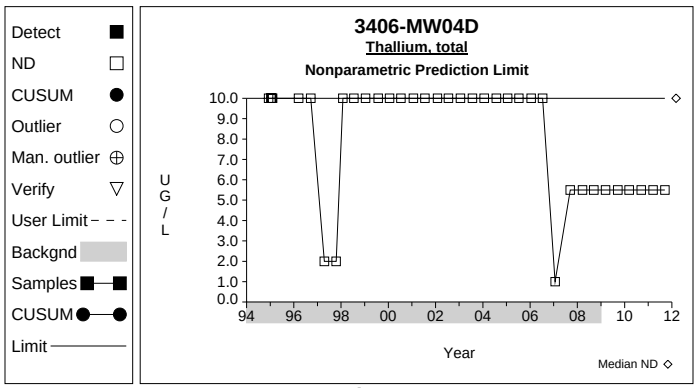


Graph 72



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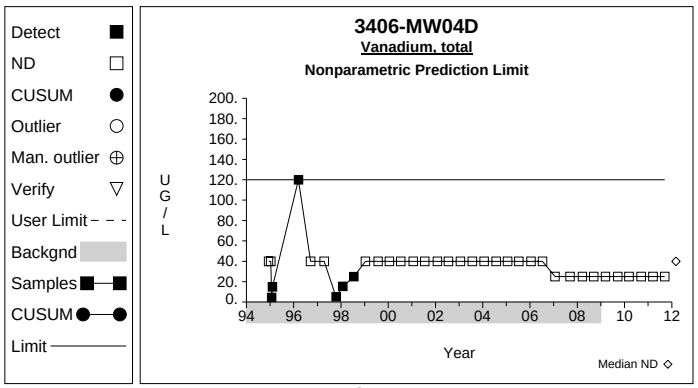

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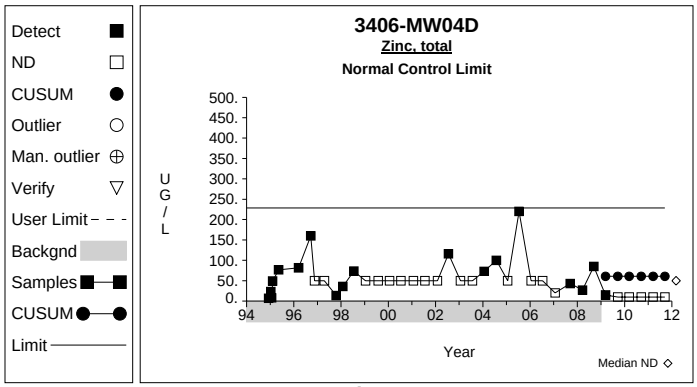
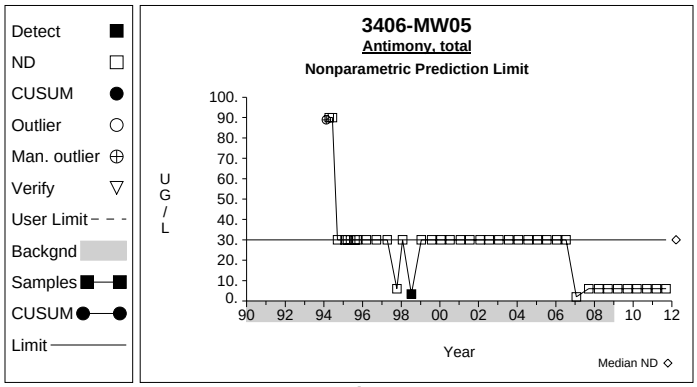
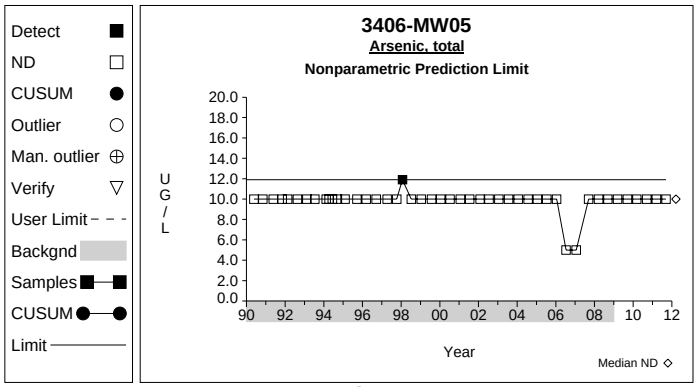


Graph 75

Intra-Well Control Charts



Graph 76



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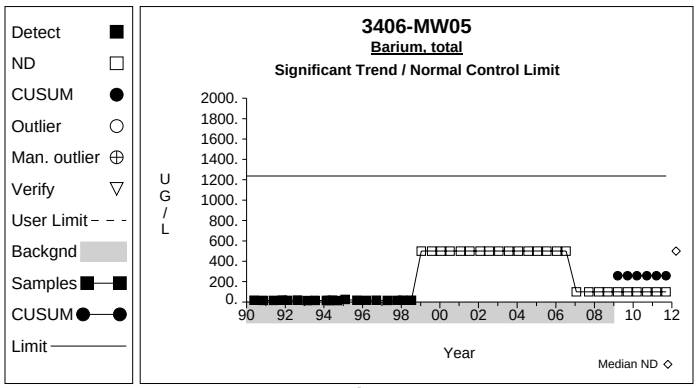

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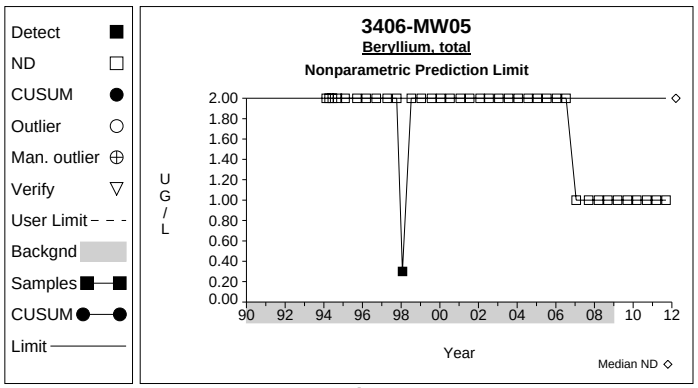

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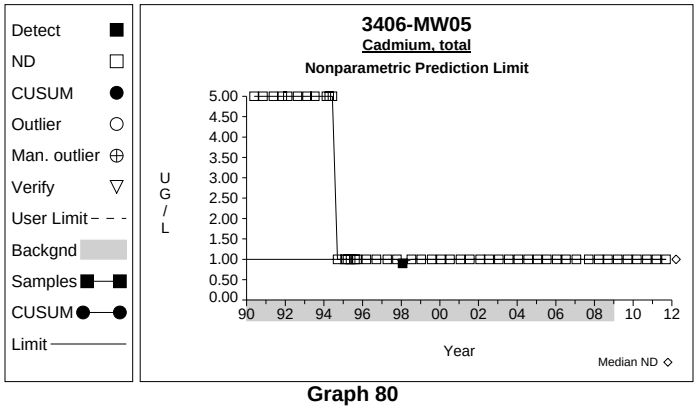

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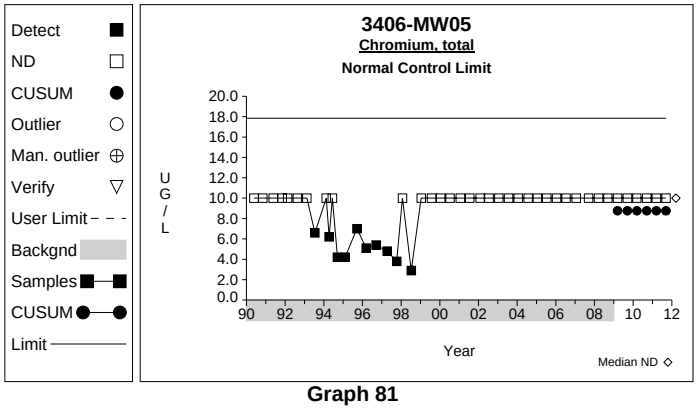

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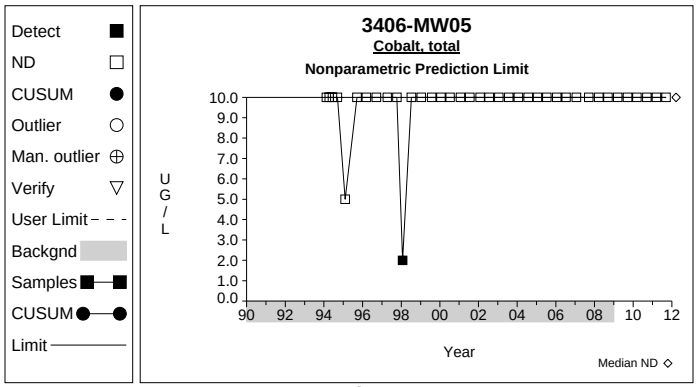
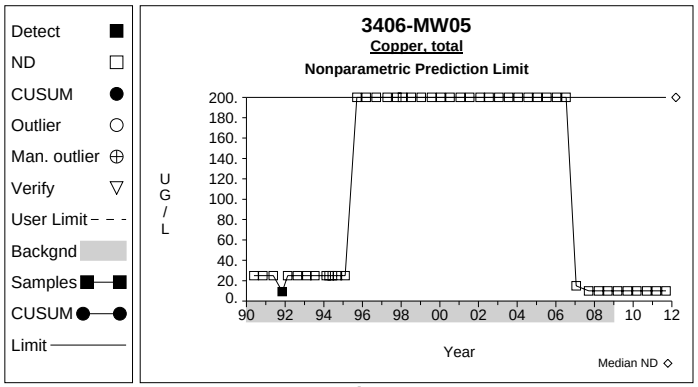
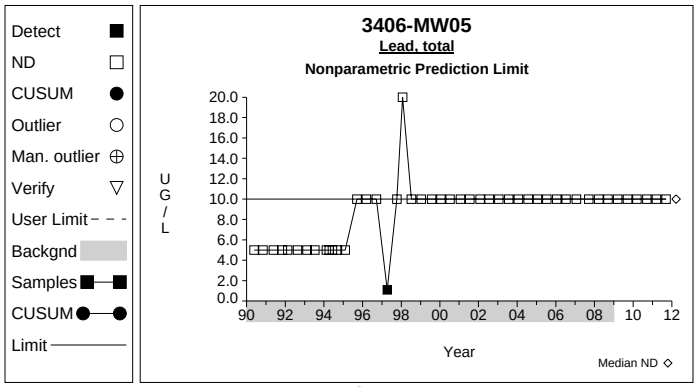


Graph 82

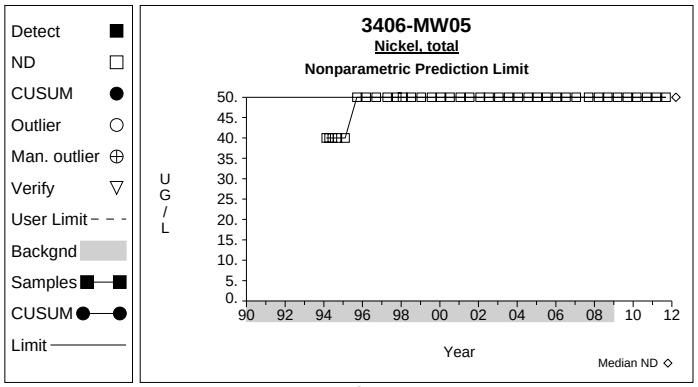


Graph 83

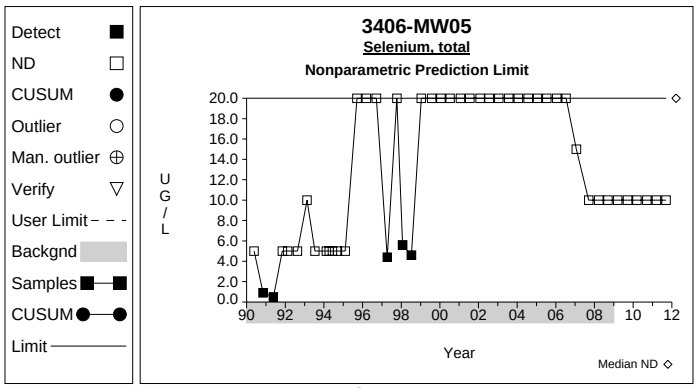
Intra-Well Control Charts



Graph 84



Graph 85



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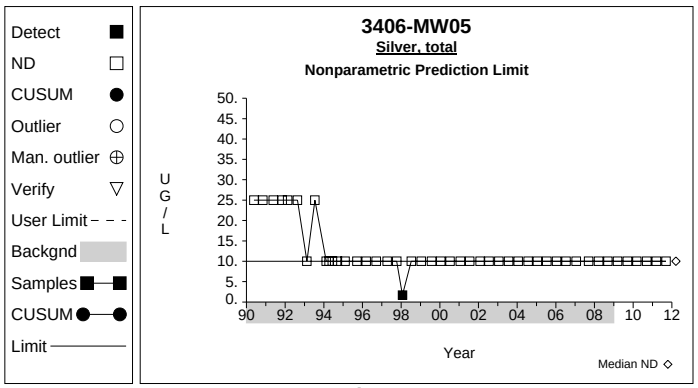

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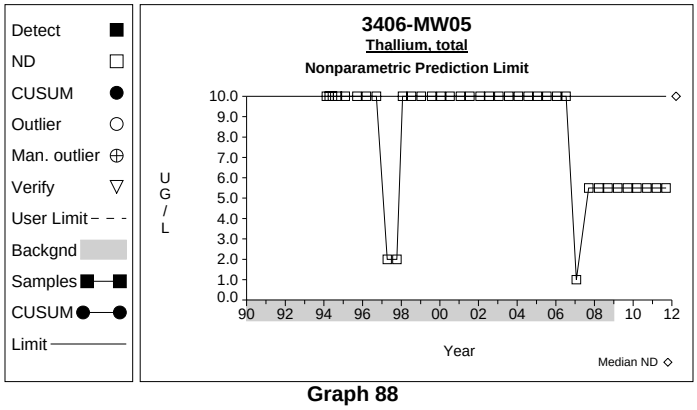
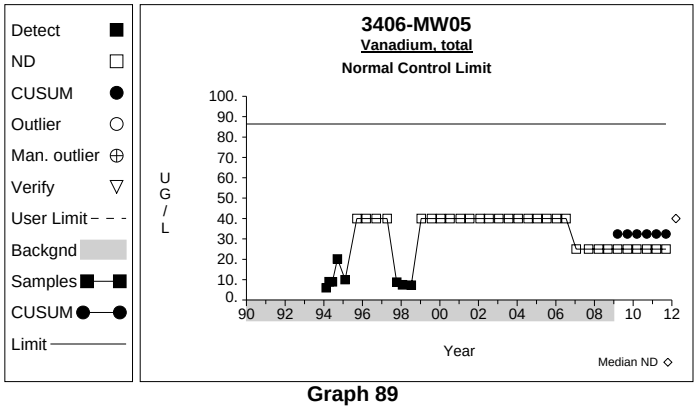
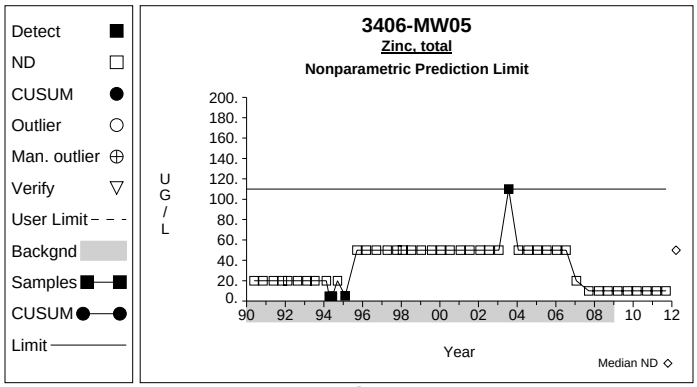


Graph 88

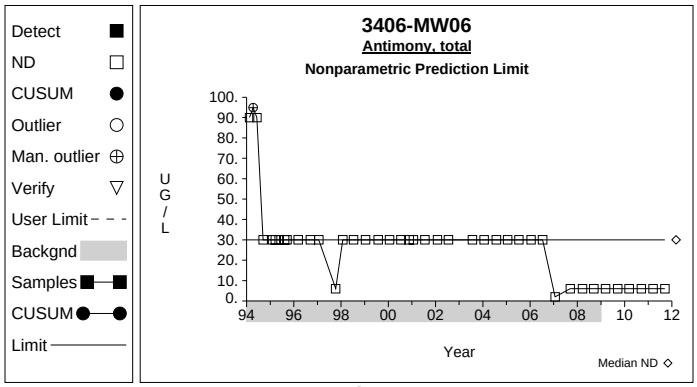


Graph 89

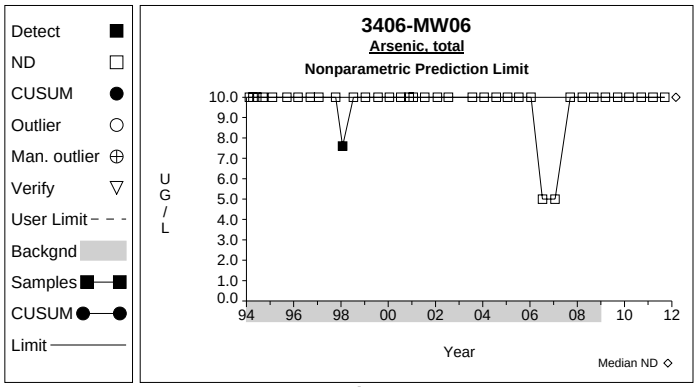


Graph 90

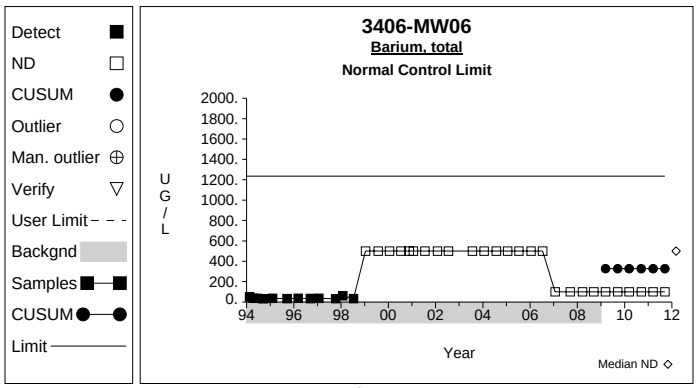
Intra-Well Control Charts



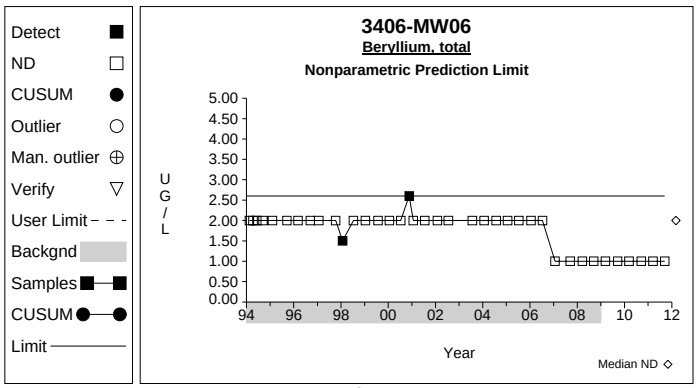
Graph 91



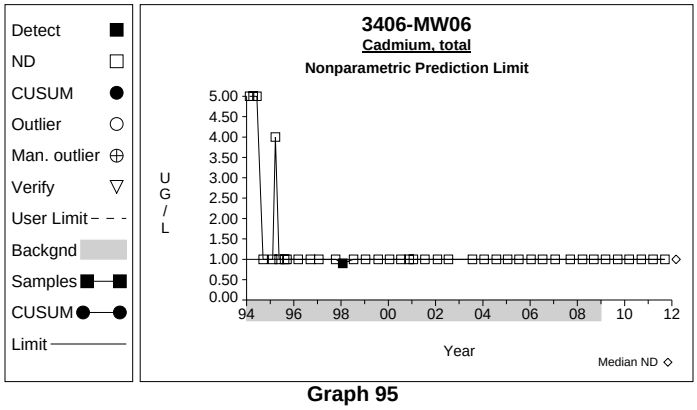
Graph 92



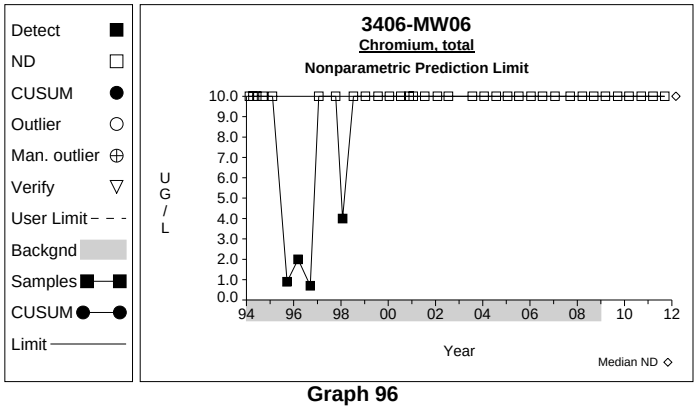
Graph 93



Graph 94



Graph 95



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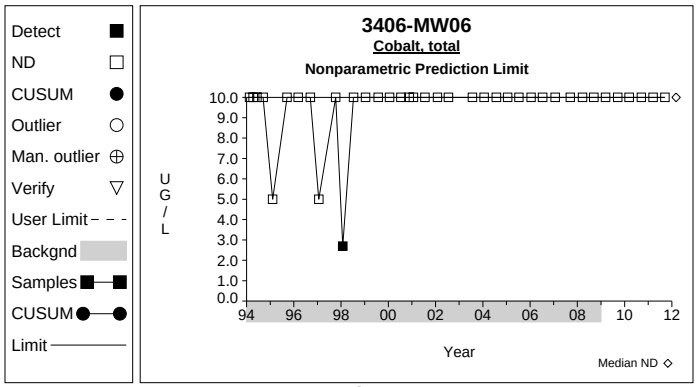
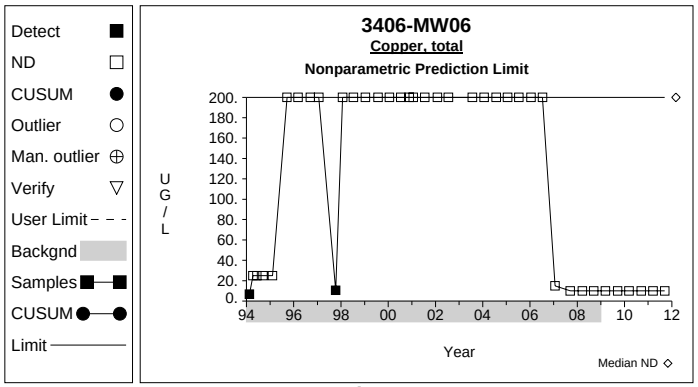
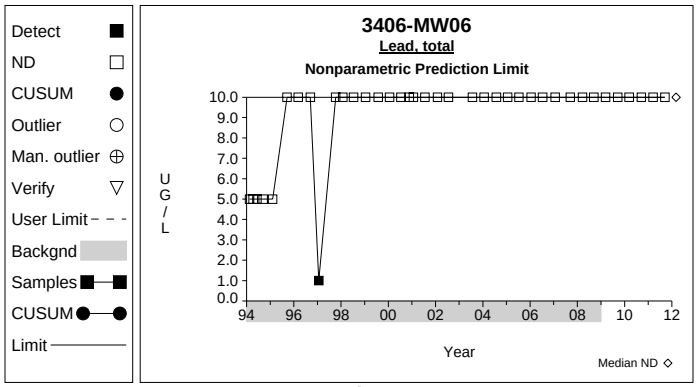


Graph 97

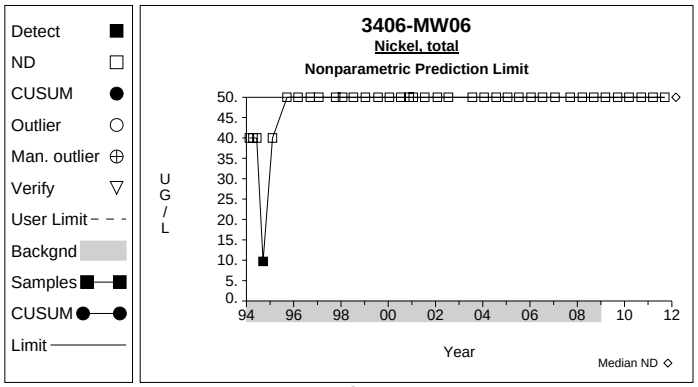


Graph 98

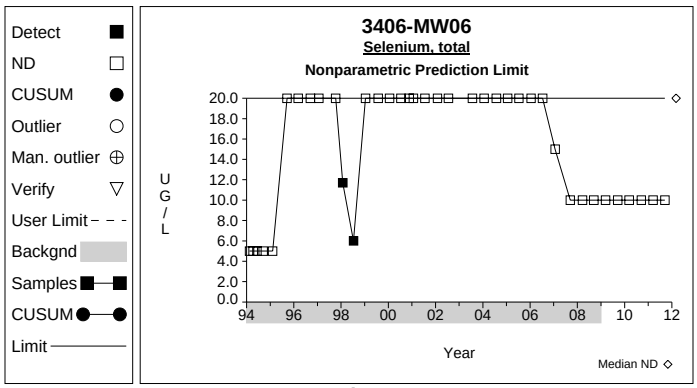
Intra-Well Control Charts



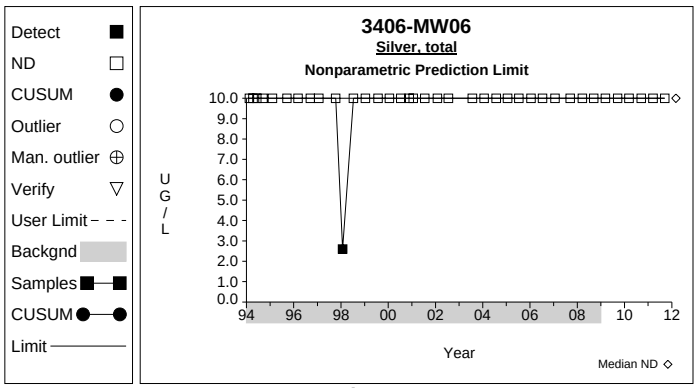
Graph 99



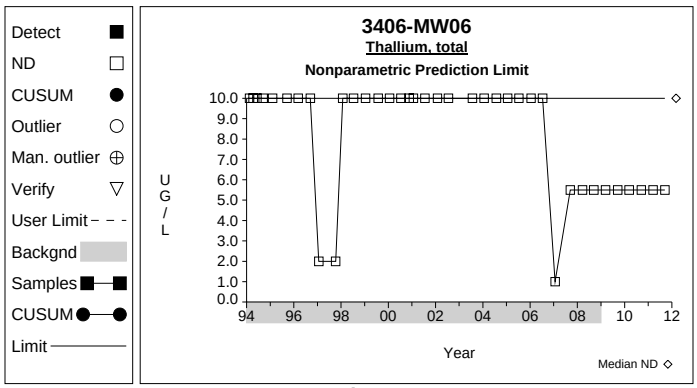
Graph 100



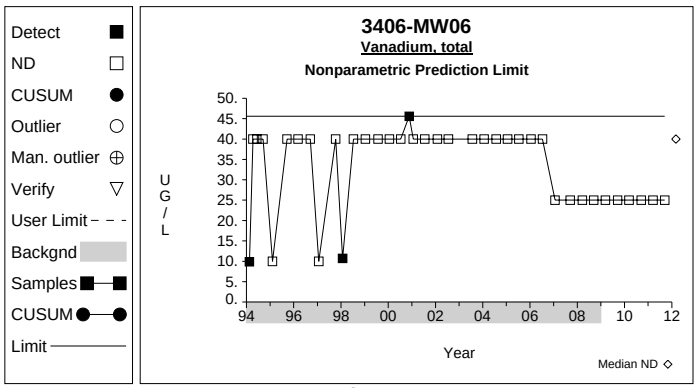
Graph 101



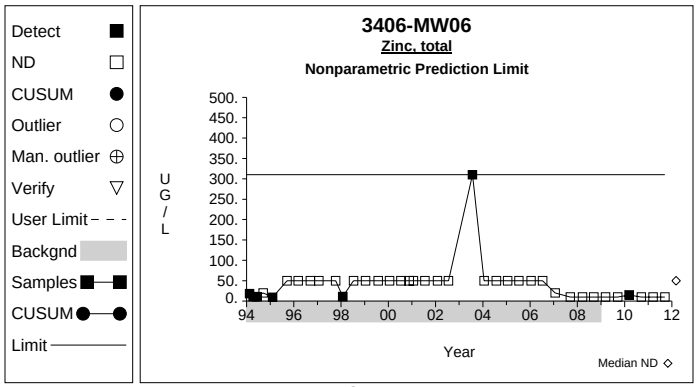
Graph 102



Graph 103

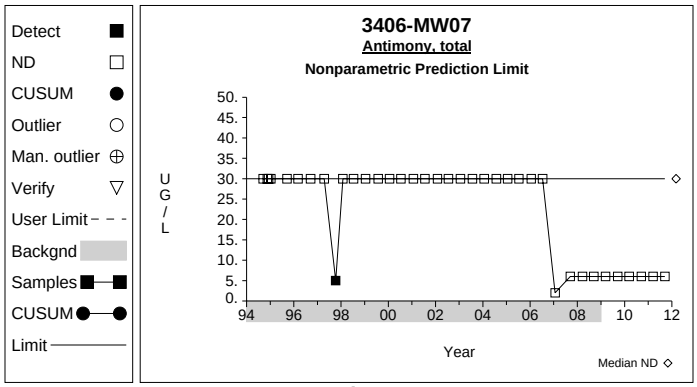


Graph 104

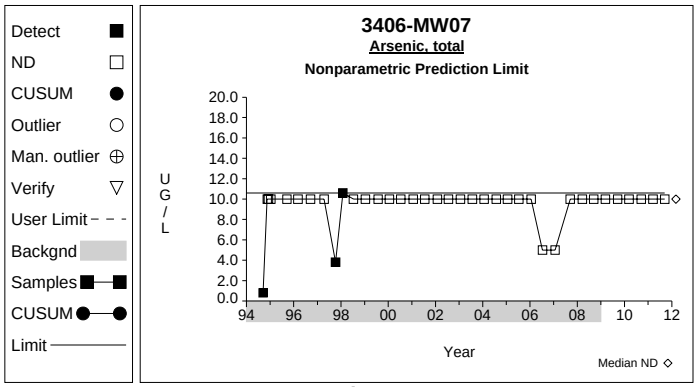


Graph 105

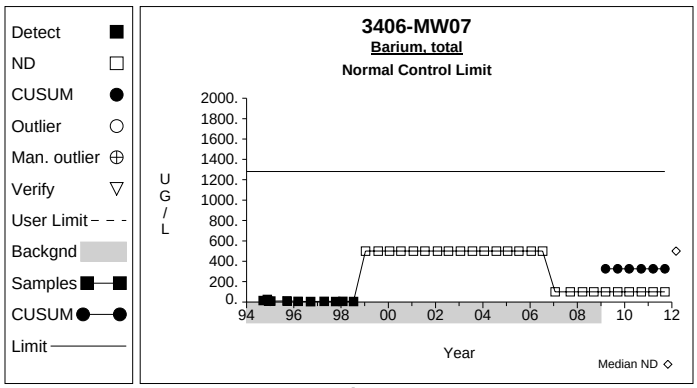
Intra-Well Control Charts



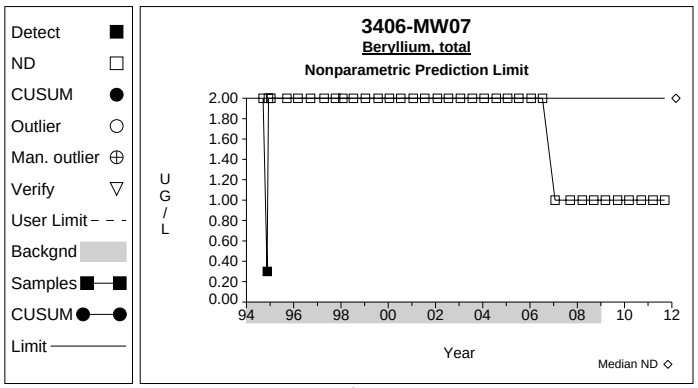
Graph 106



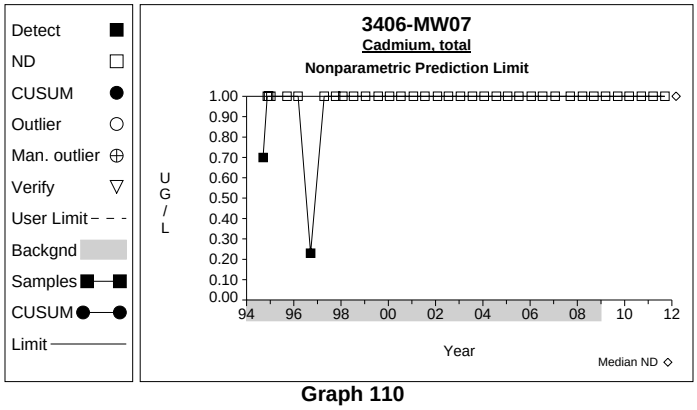
Graph 107



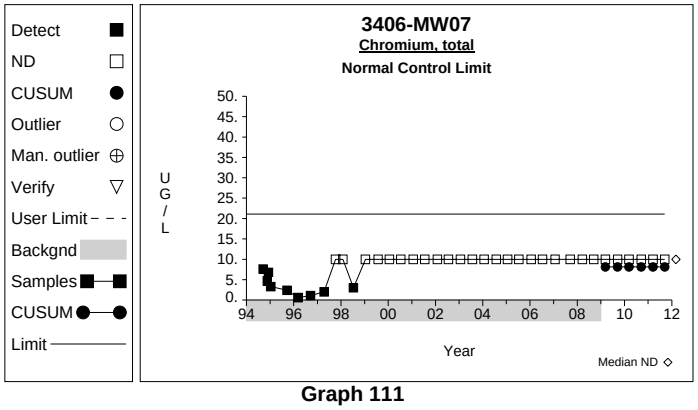
Graph 108



Graph 109



Graph 110



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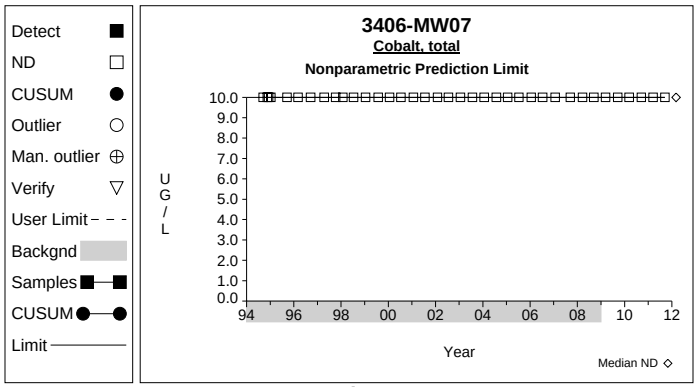
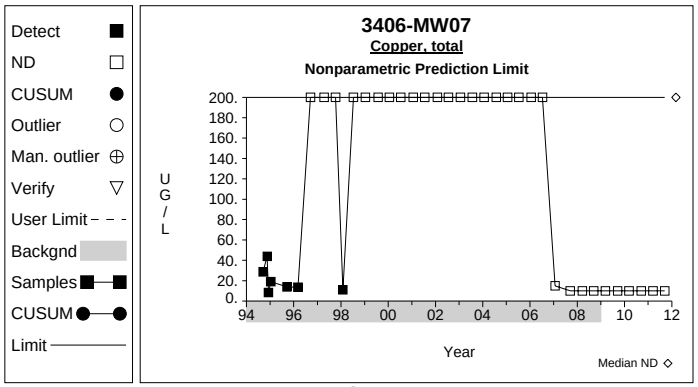
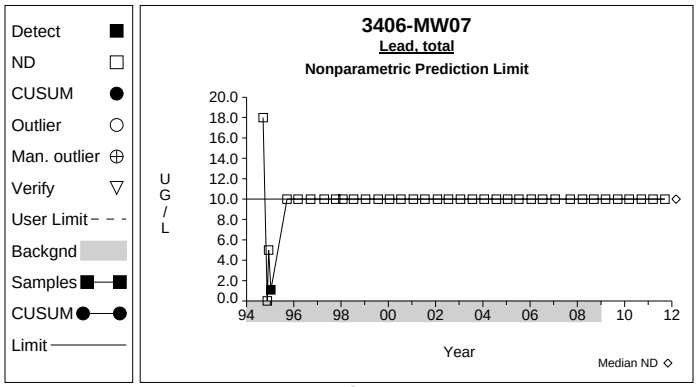


Graph 112

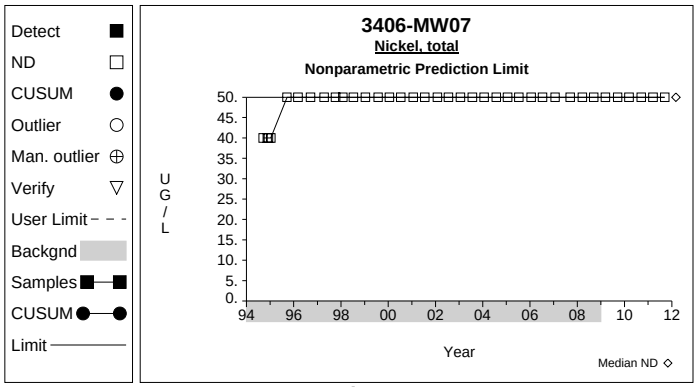


Graph 113

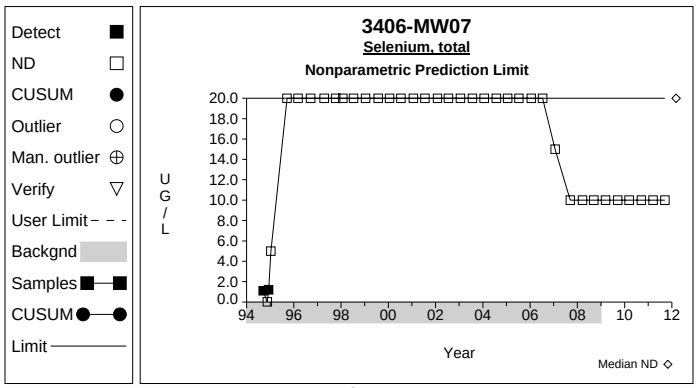
Intra-Well Control Charts



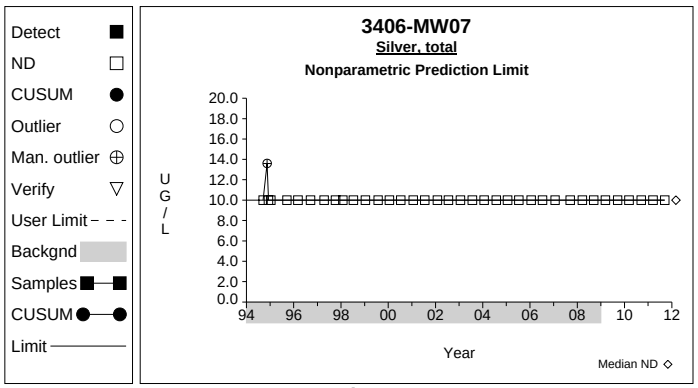
Graph 114



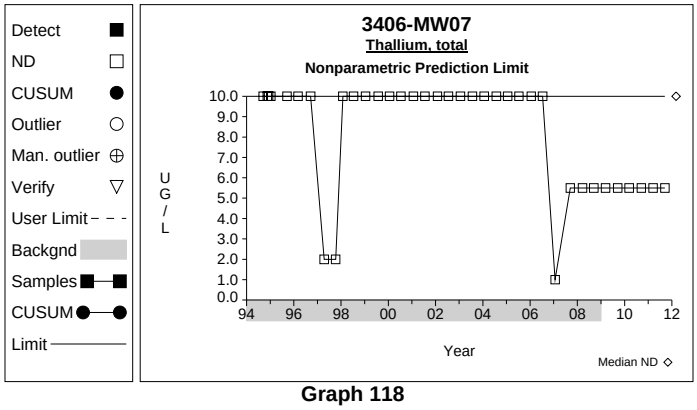
Graph 115



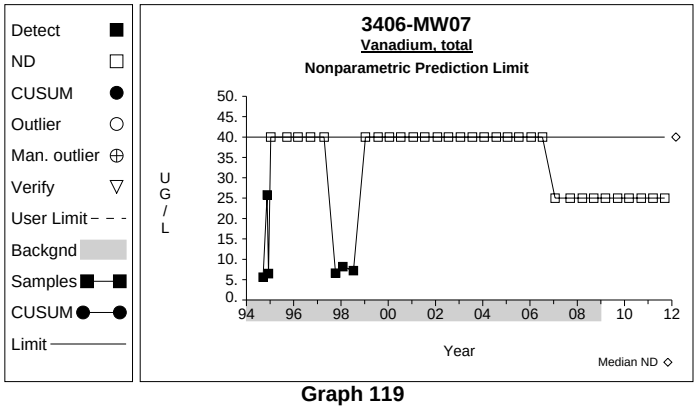
Graph 116



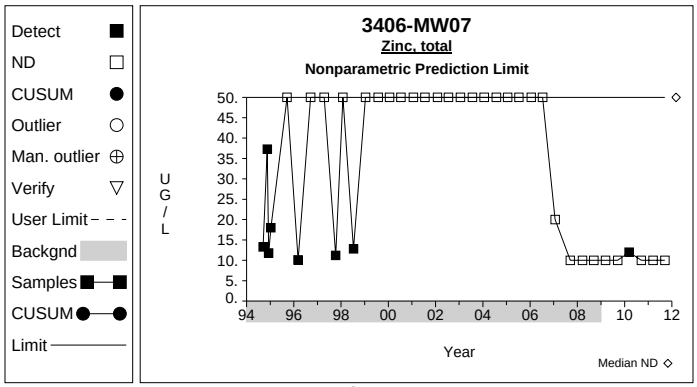
Graph 117



Graph 118

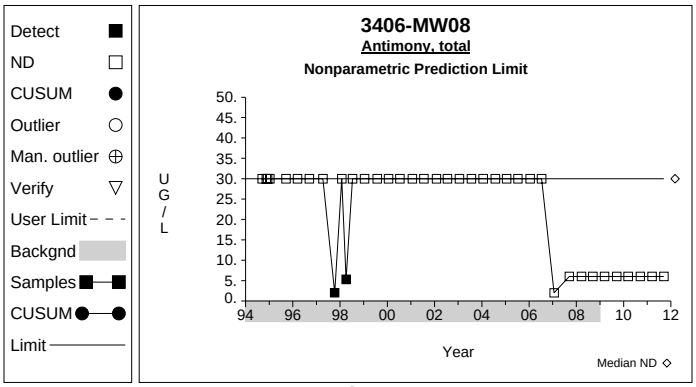


Graph 119

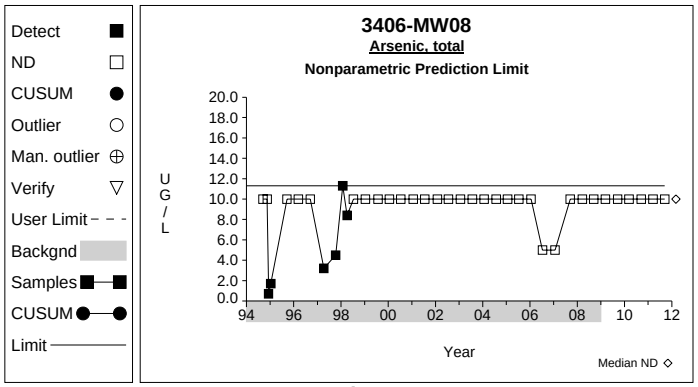


Graph 120

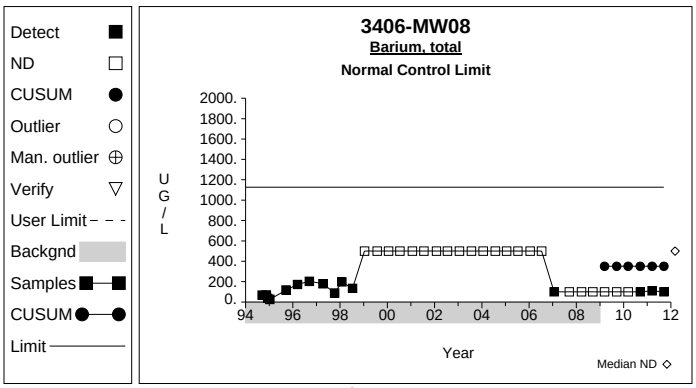
Intra-Well Control Charts



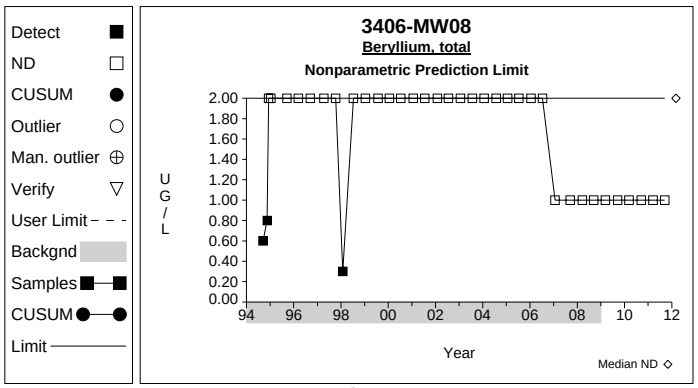
Graph 121



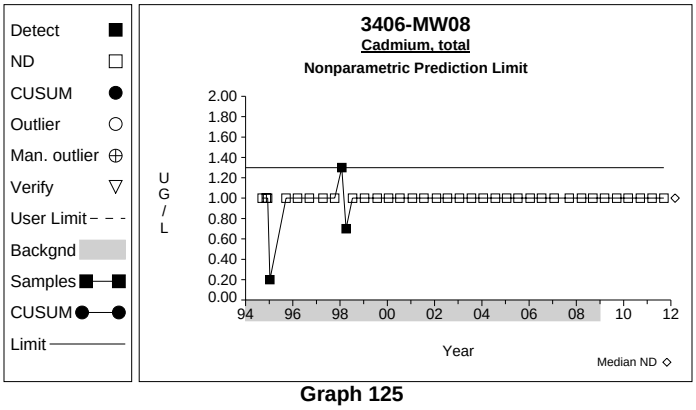
Graph 122



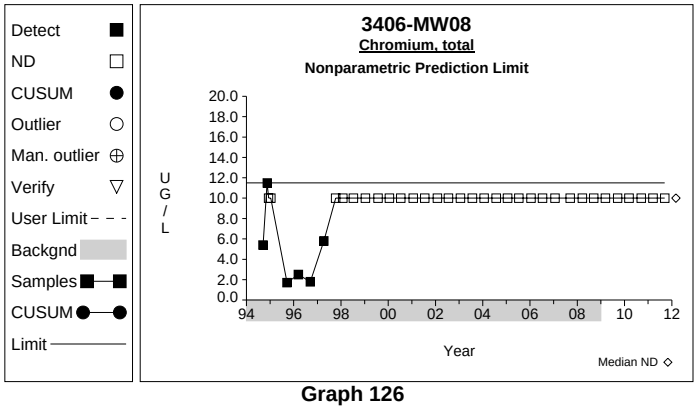
Graph 123



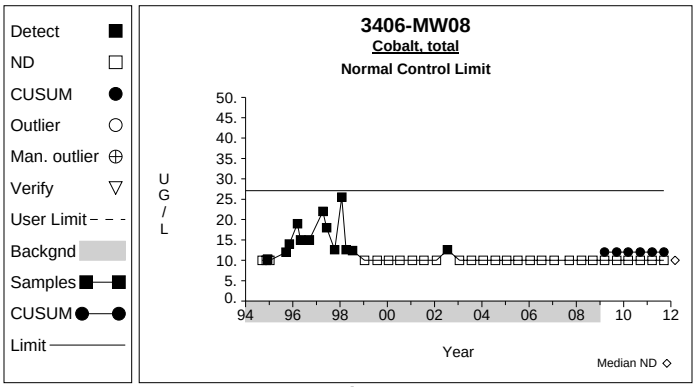
Graph 124



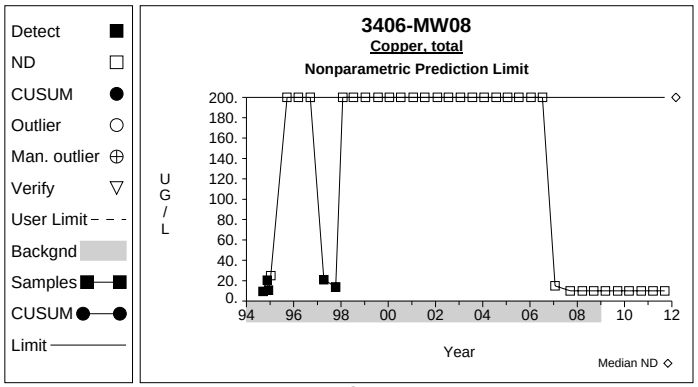
Graph 125



Graph 126

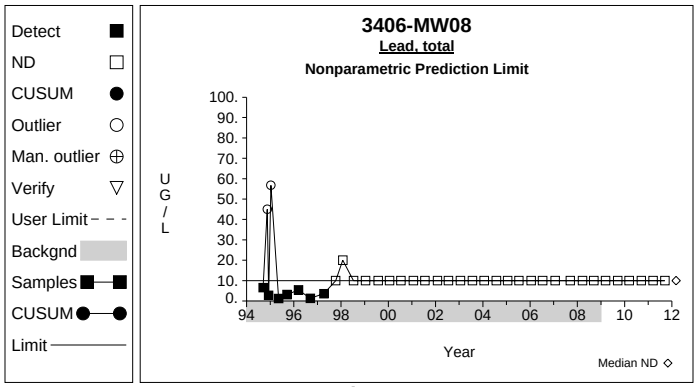


Graph 127

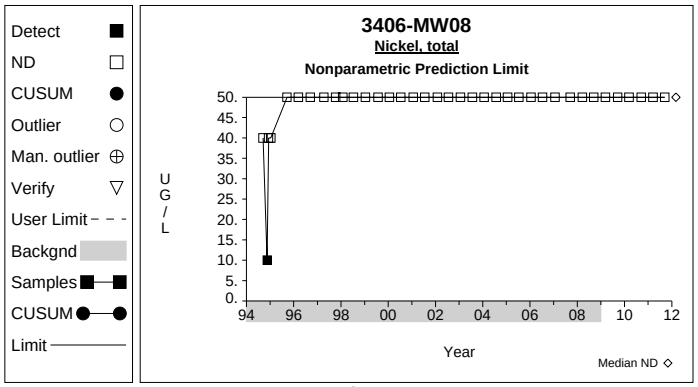


Graph 128

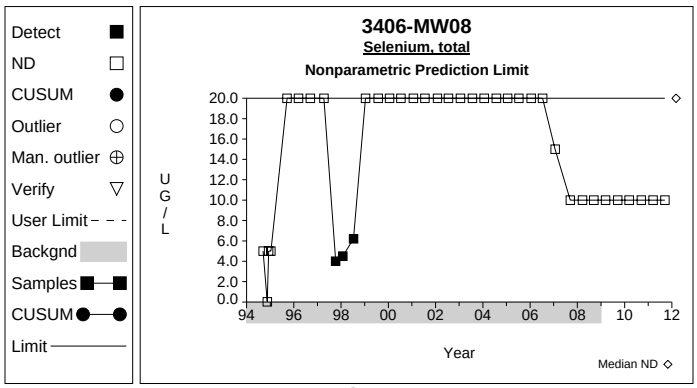
Intra-Well Control Charts



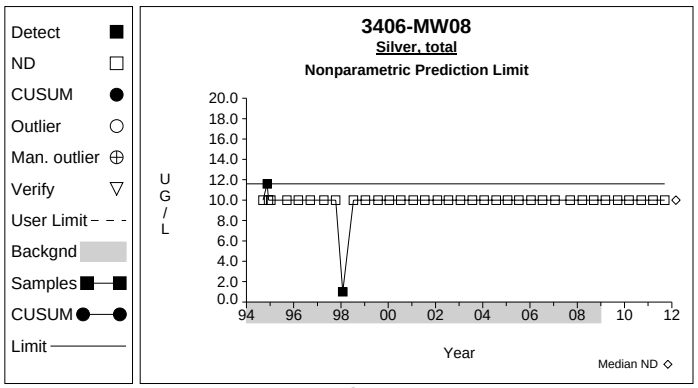
Graph 129



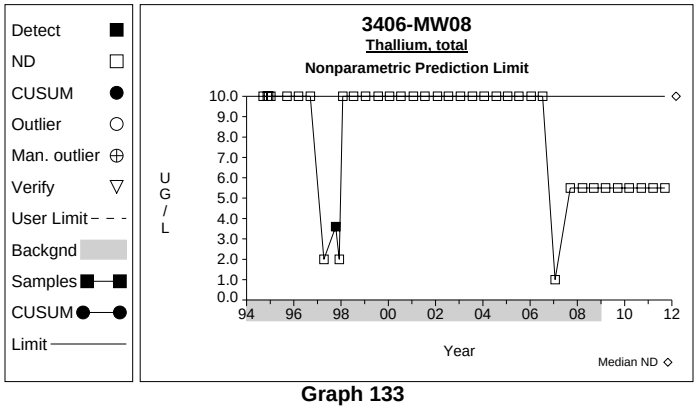
Graph 130



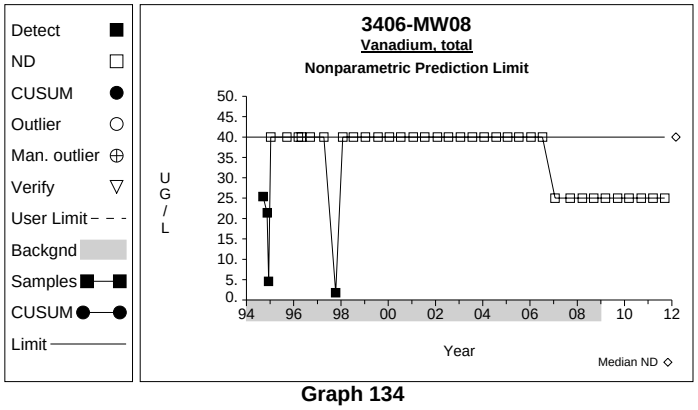
Graph 131



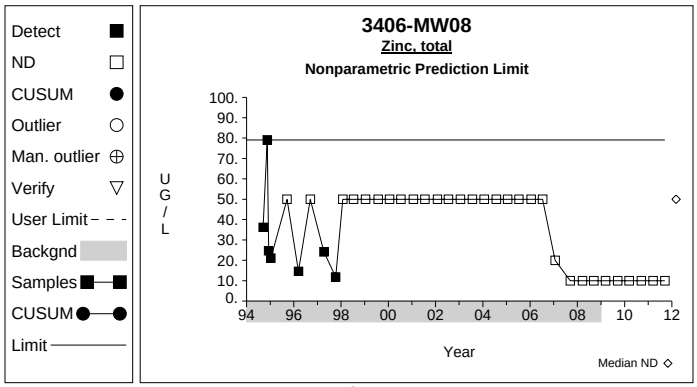
Graph 132



Graph 133

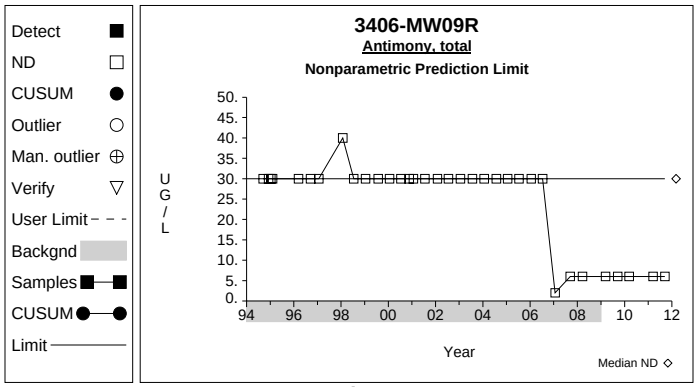


Graph 134

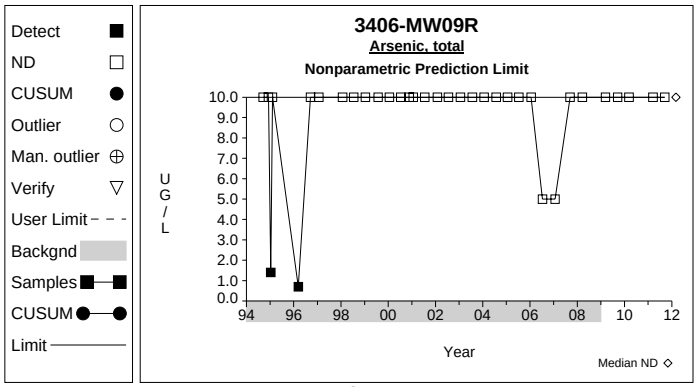


Graph 135

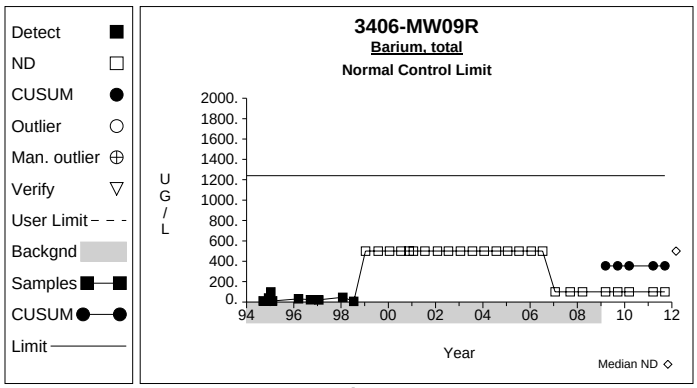
Intra-Well Control Charts



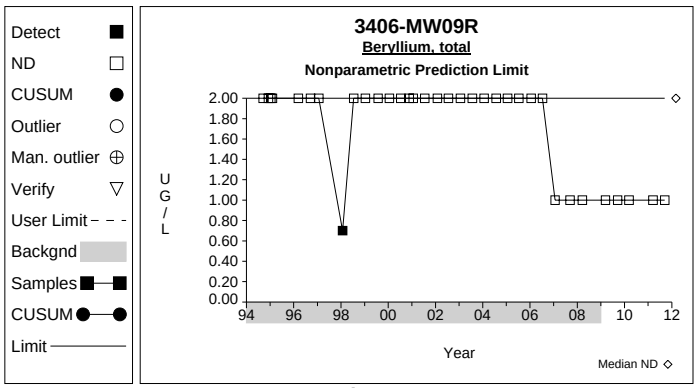
Graph 136



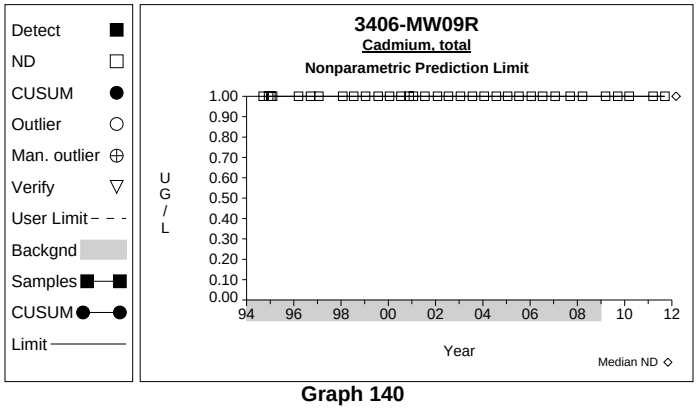
Graph 137



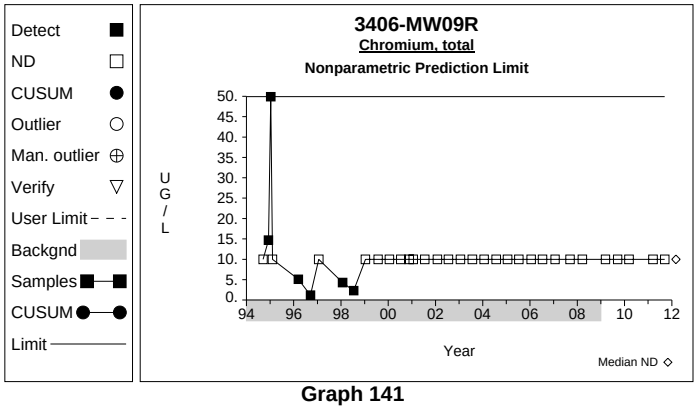
Graph 138



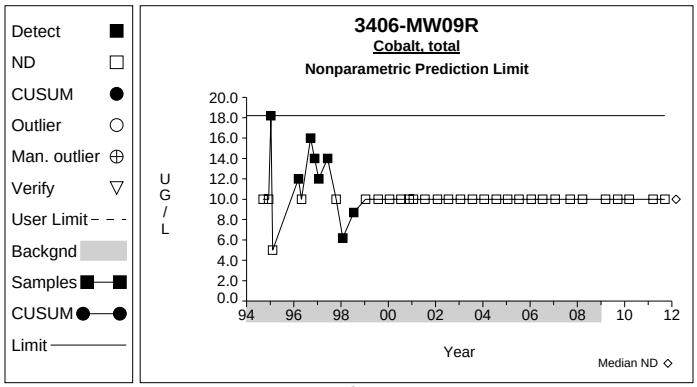
Graph 139



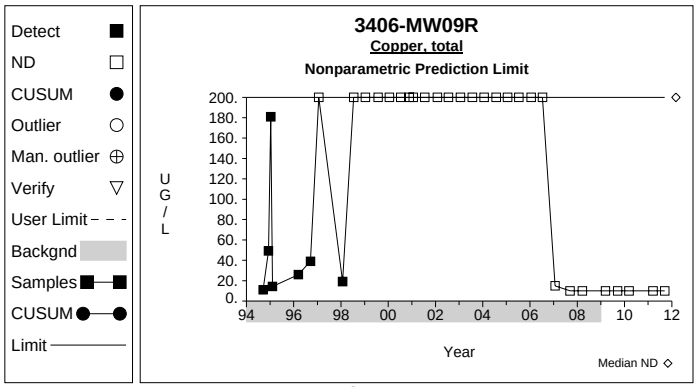
Graph 140



Graph 141

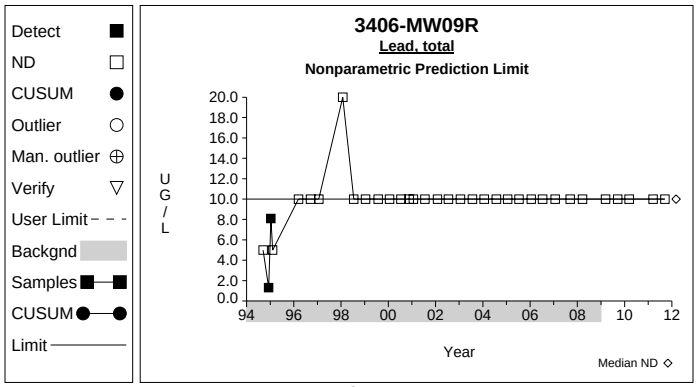


Graph 142

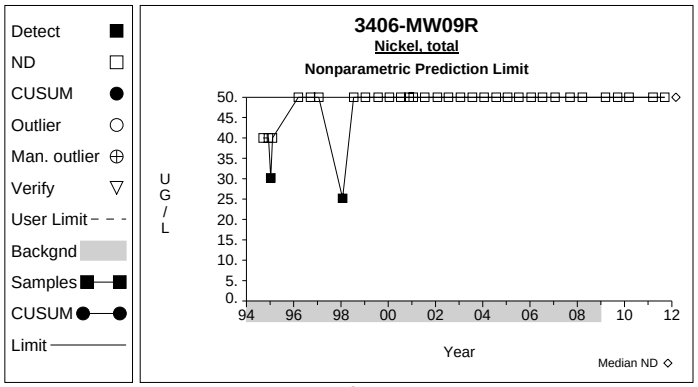


Graph 143

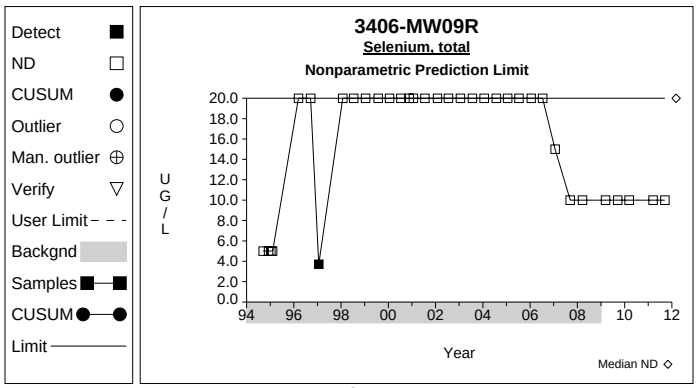
Intra-Well Control Charts



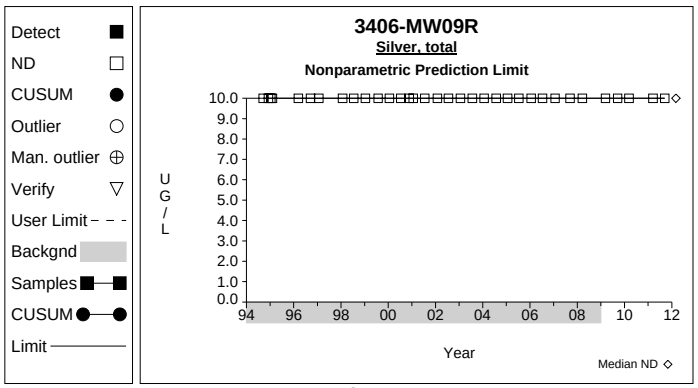
Graph 144



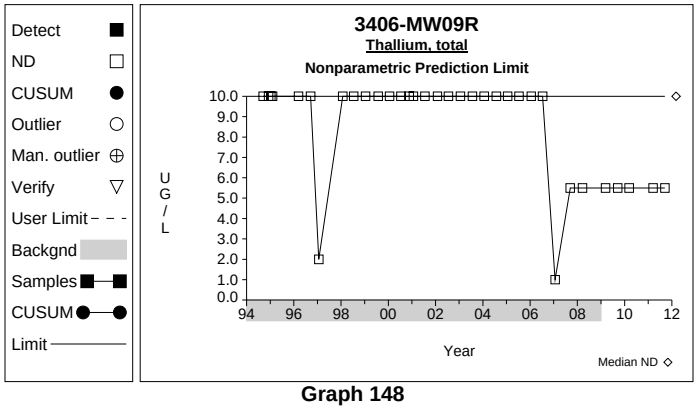
Graph 145



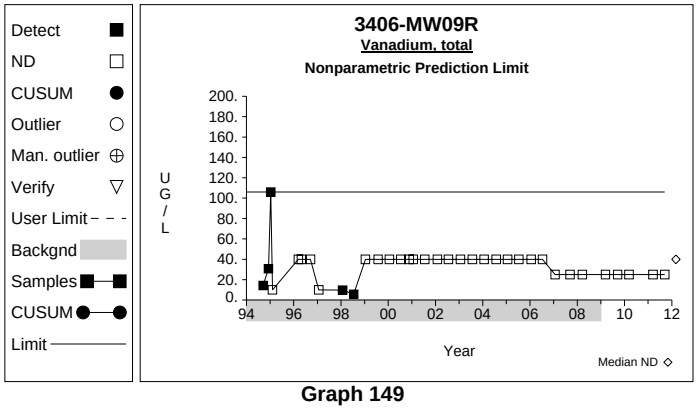
Graph 146



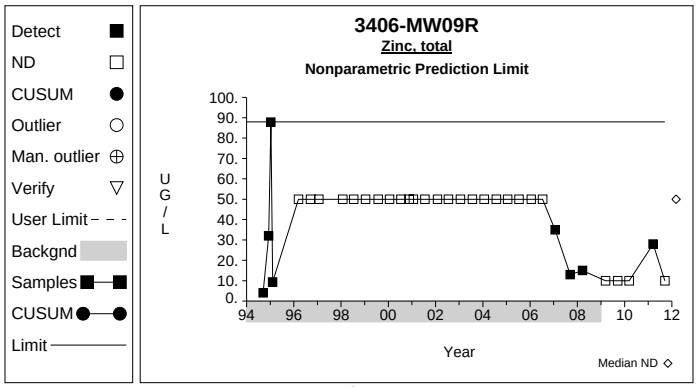
Graph 147



Graph 148

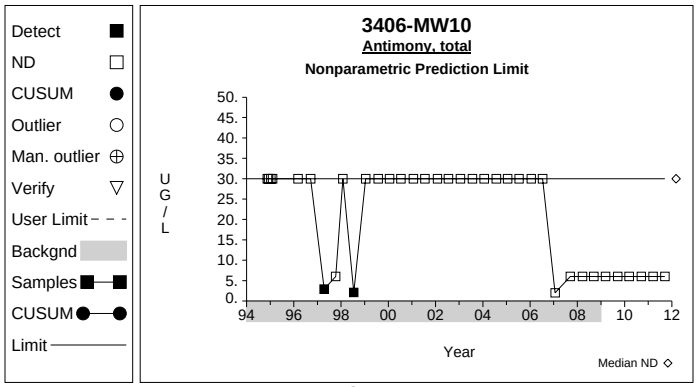


Graph 149

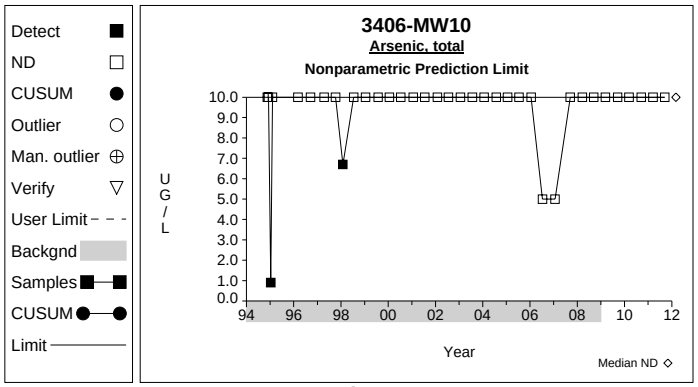


Graph 150

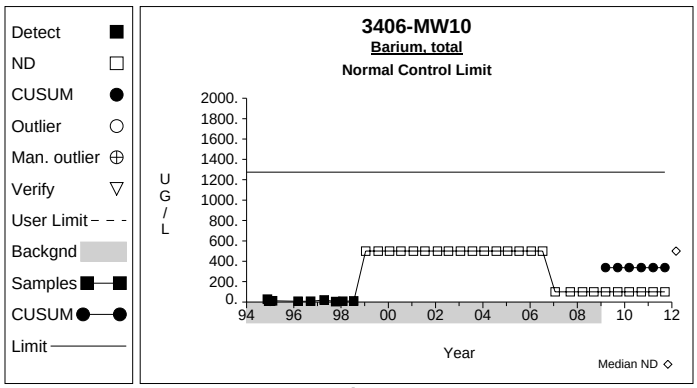
Intra-Well Control Charts



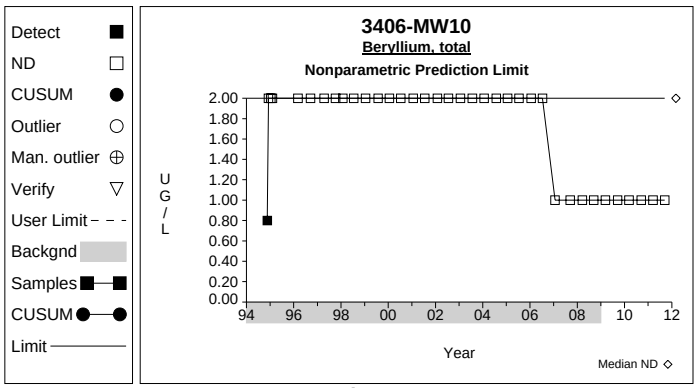
Graph 151



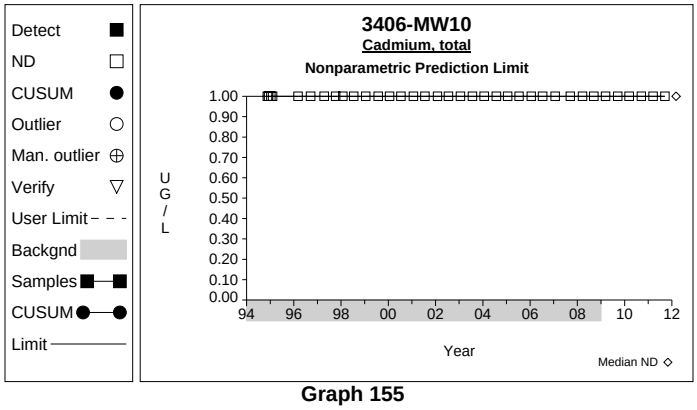
Graph 152



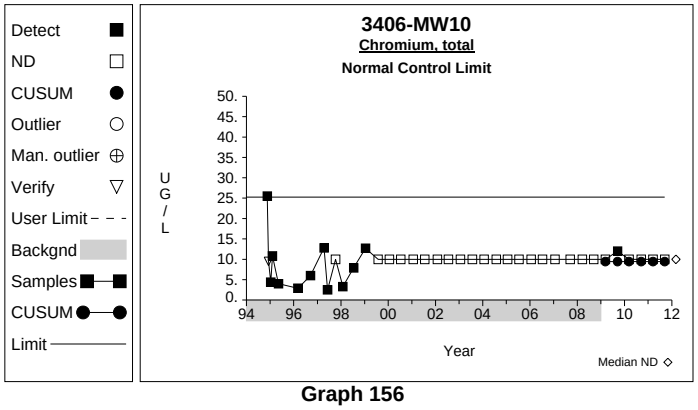
Graph 153



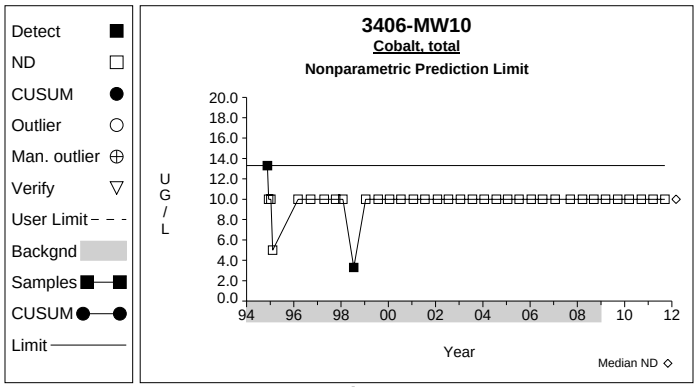
Graph 154



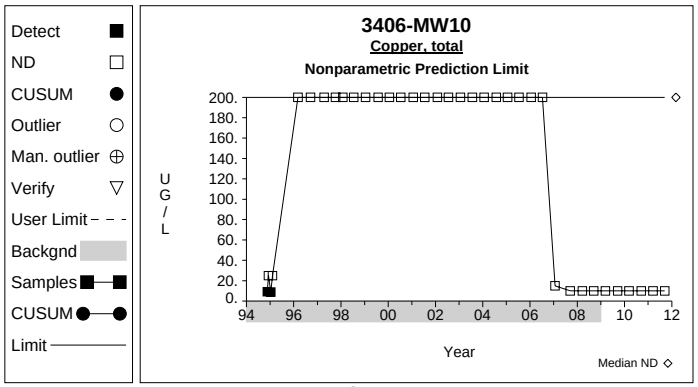
Graph 155



Graph 156

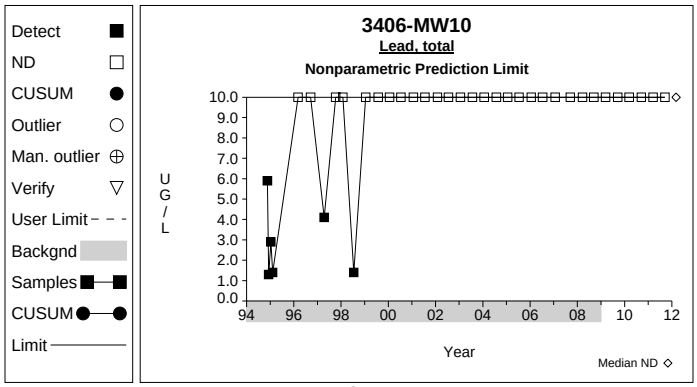


Graph 157

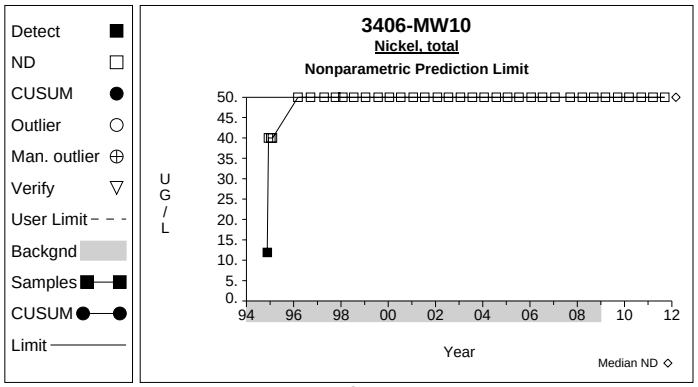


Graph 158

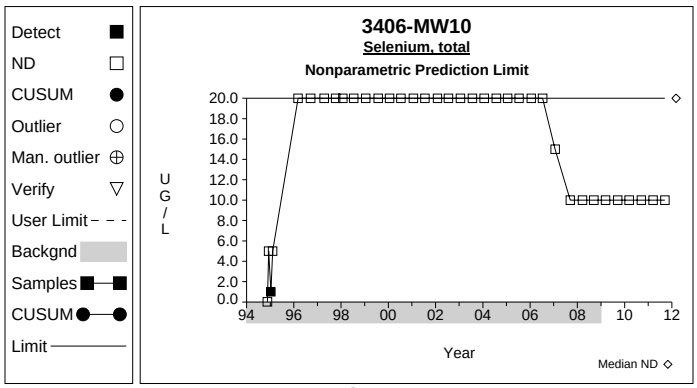
Intra-Well Control Charts



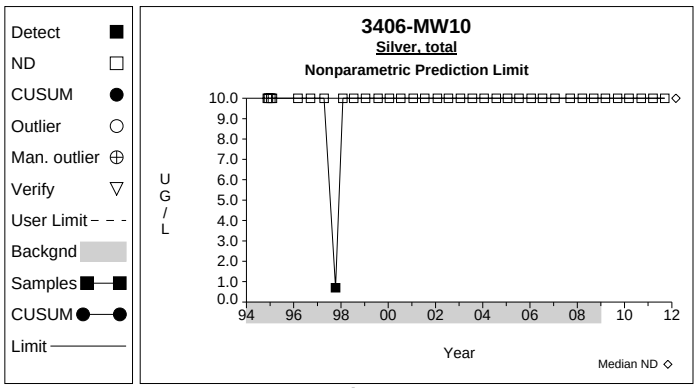
Graph 159



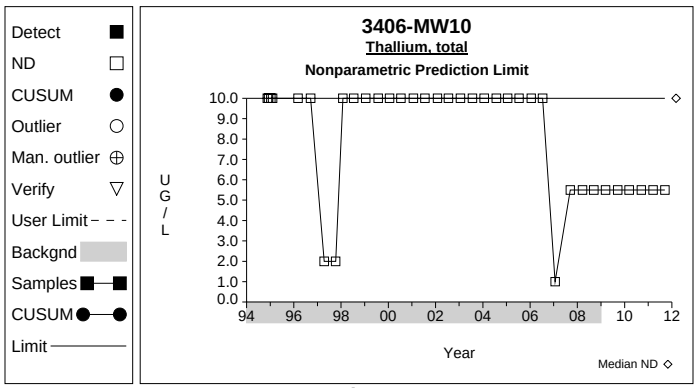
Graph 160



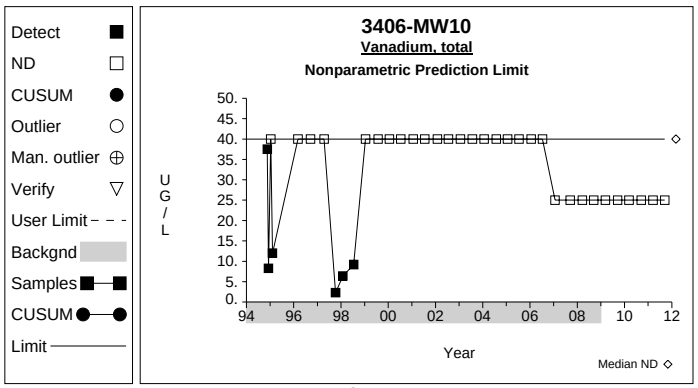
Graph 161



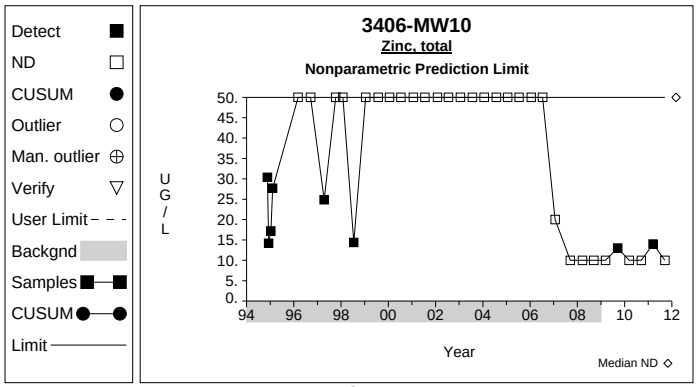
Graph 162



Graph 163

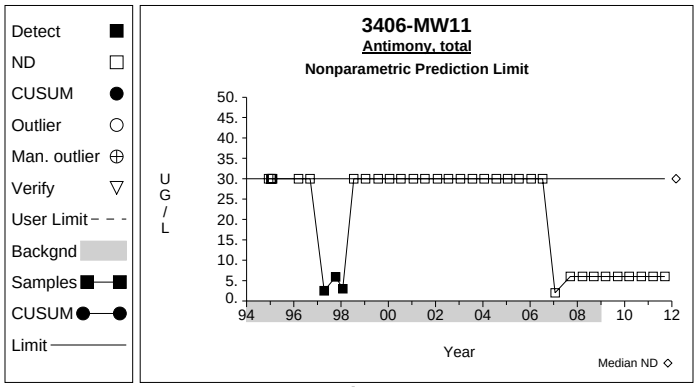


Graph 164

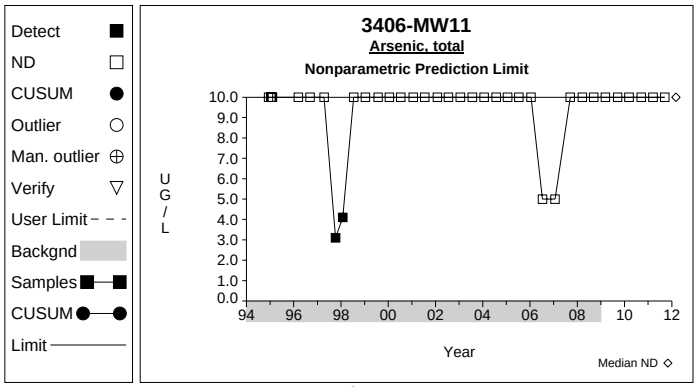


Graph 165

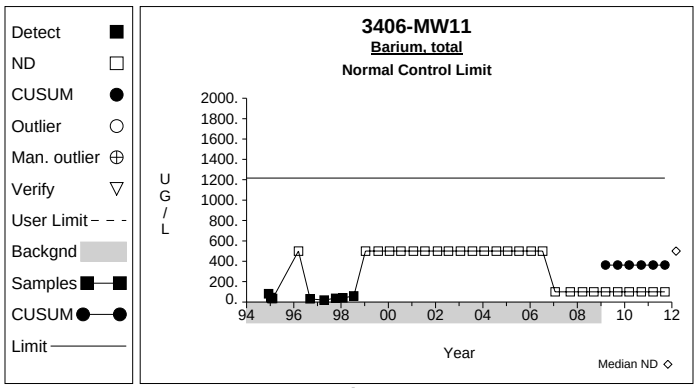
Intra-Well Control Charts



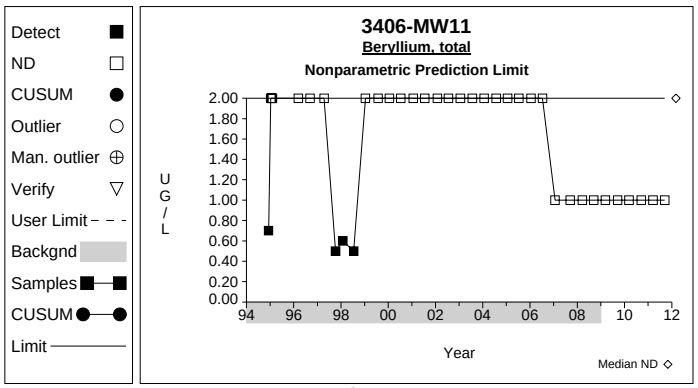
Graph 166



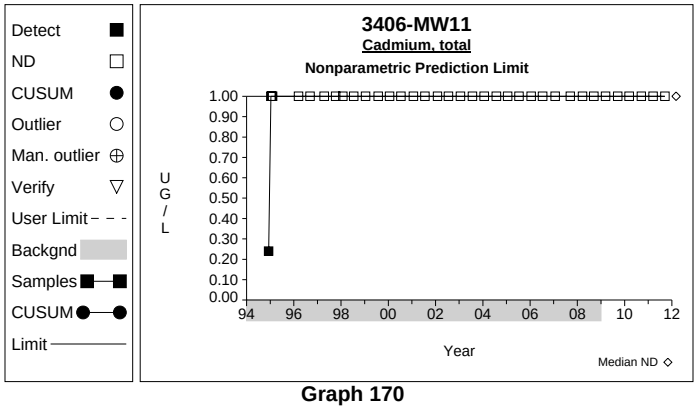
Graph 167



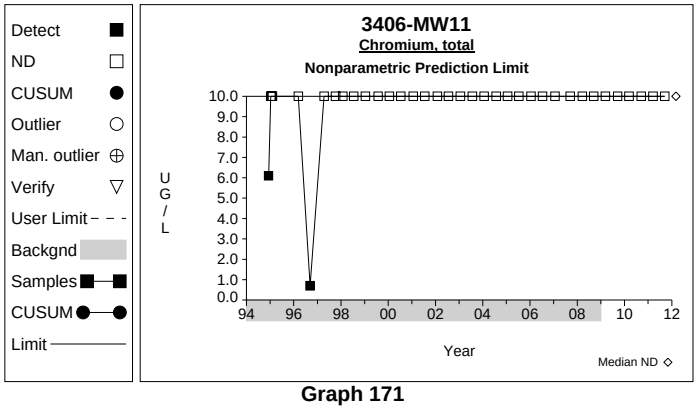
Graph 168



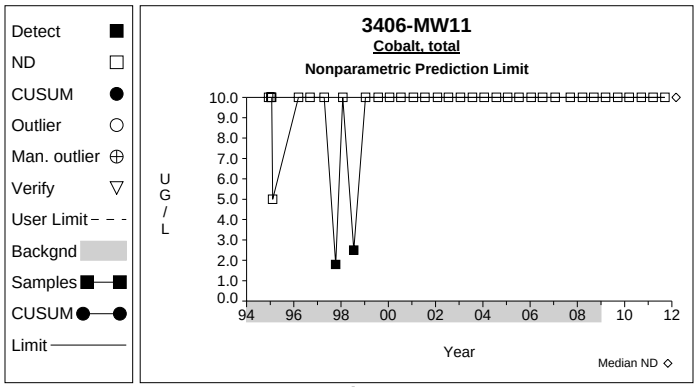
Graph 169



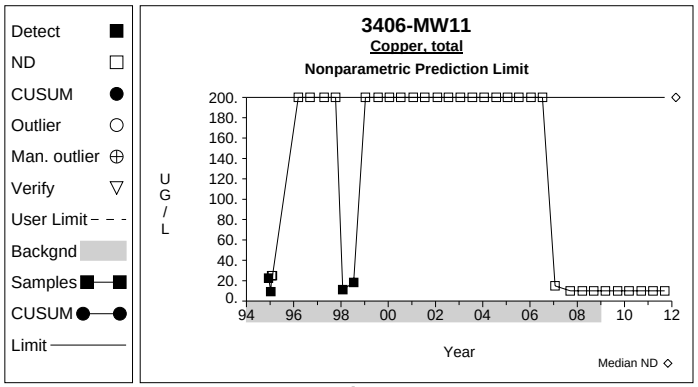
Graph 170



Graph 171

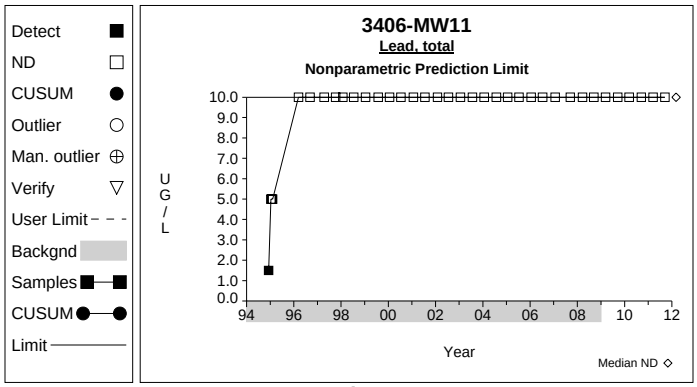


Graph 172

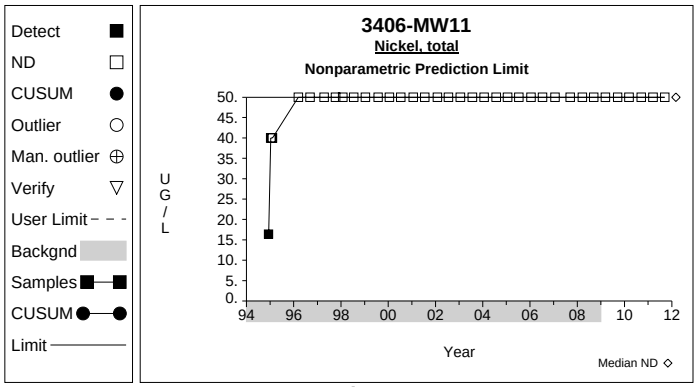


Graph 173

Intra-Well Control Charts



Graph 174



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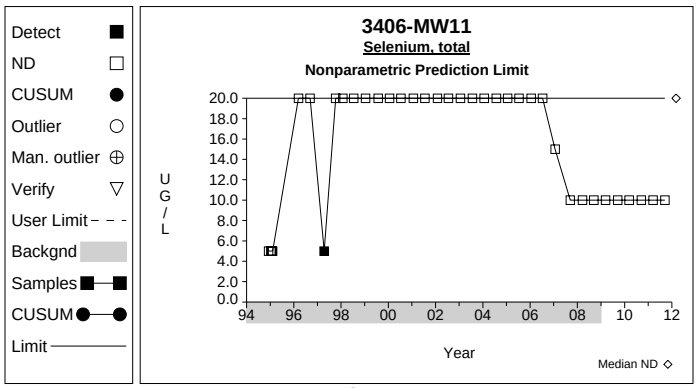

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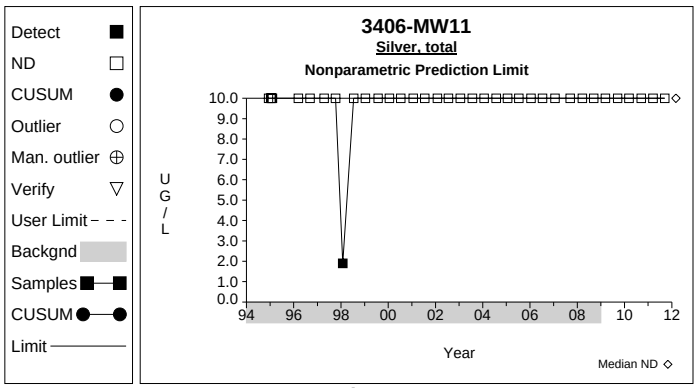

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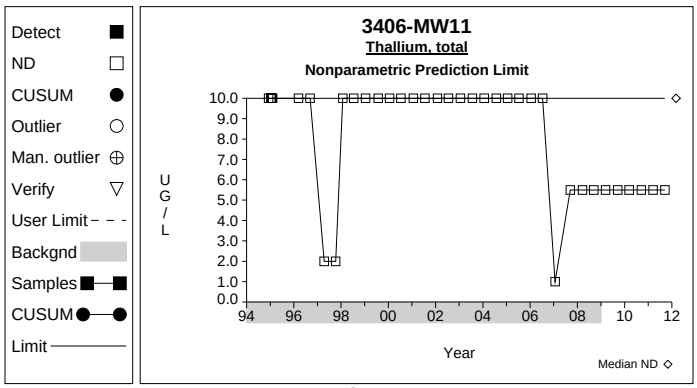

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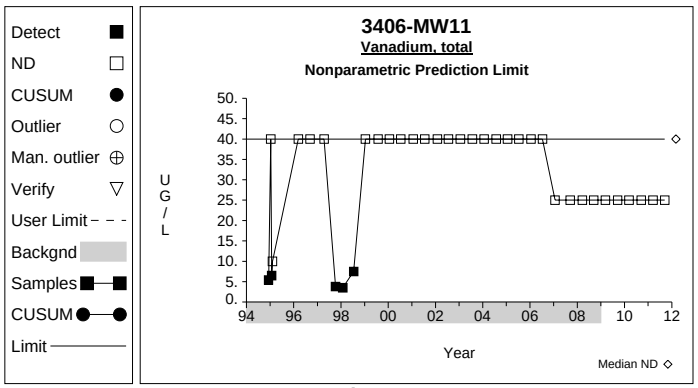

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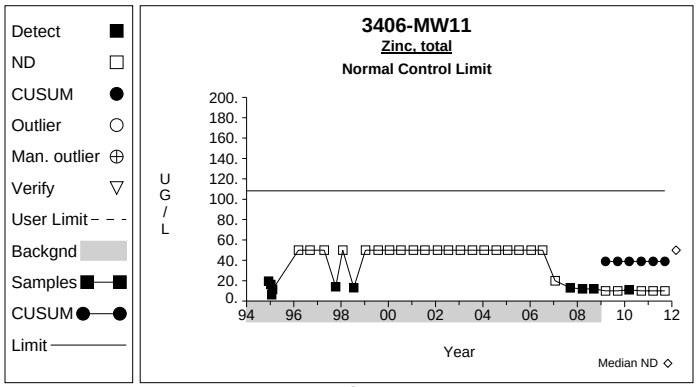
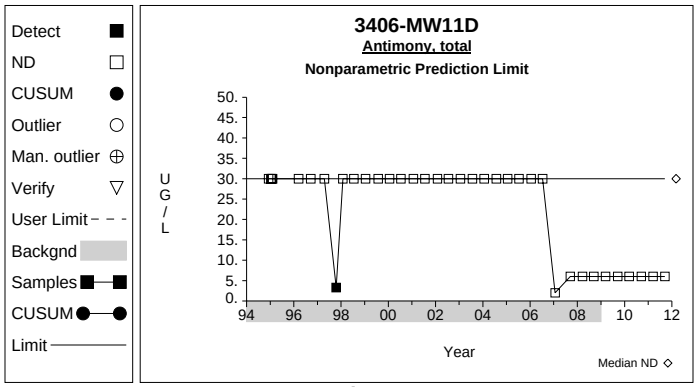


Graph 180

Intra-Well Control Charts



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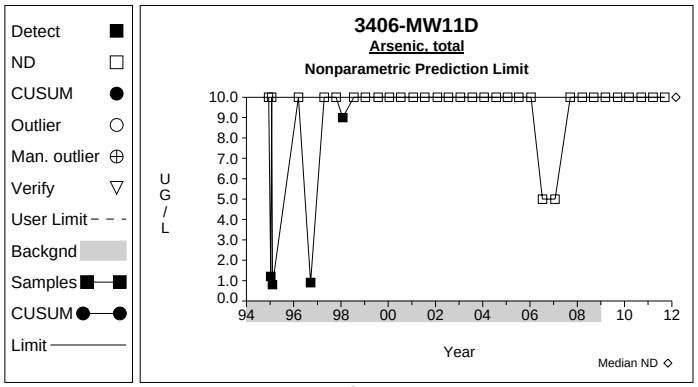

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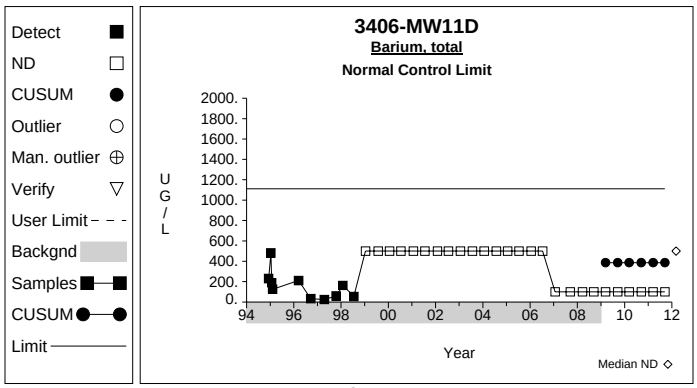

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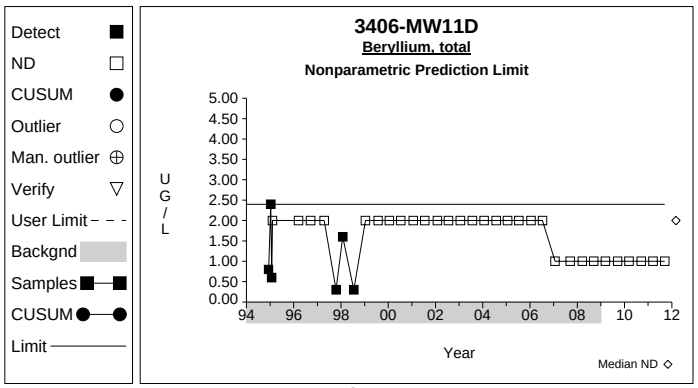

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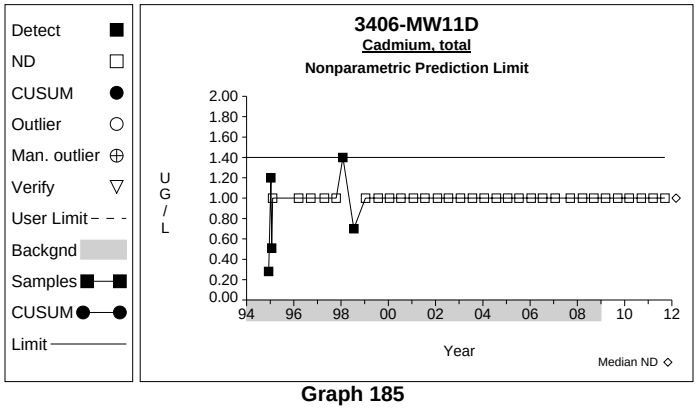
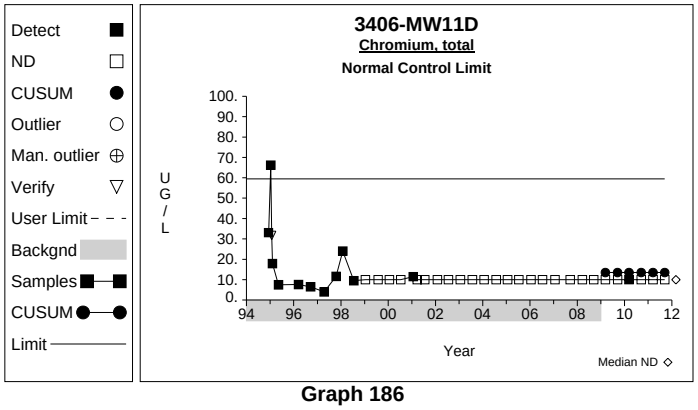
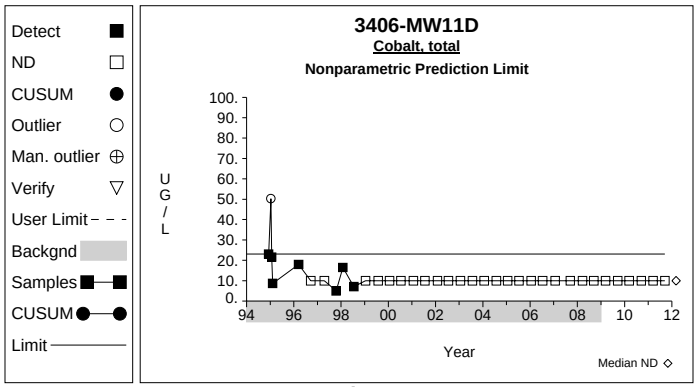


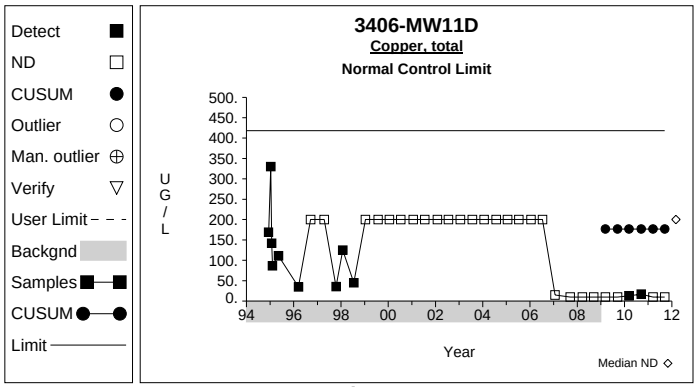
Graph 185



Graph 186

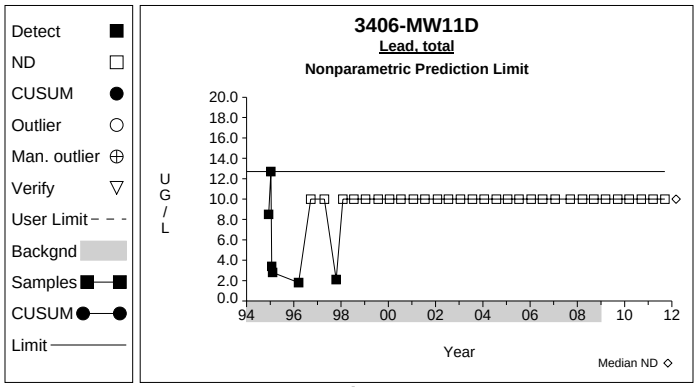


Graph 187

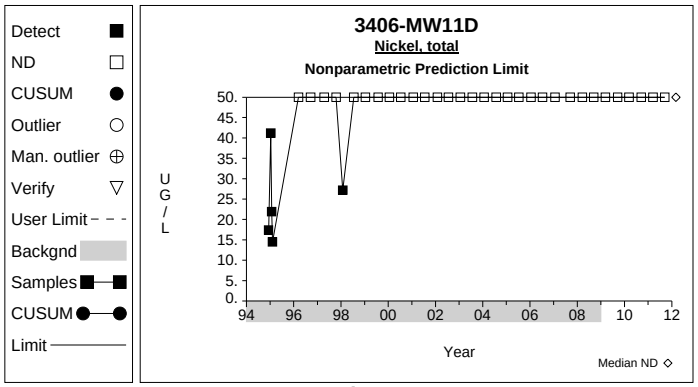


Graph 188

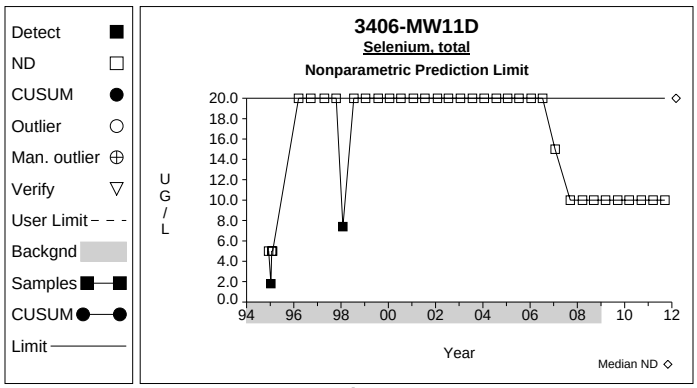
Intra-Well Control Charts



Graph 189



Graph 190



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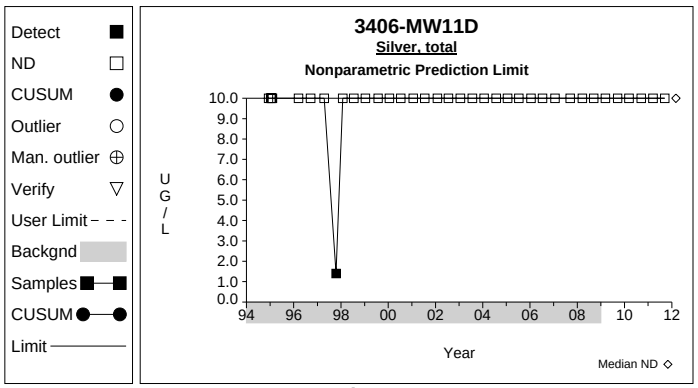

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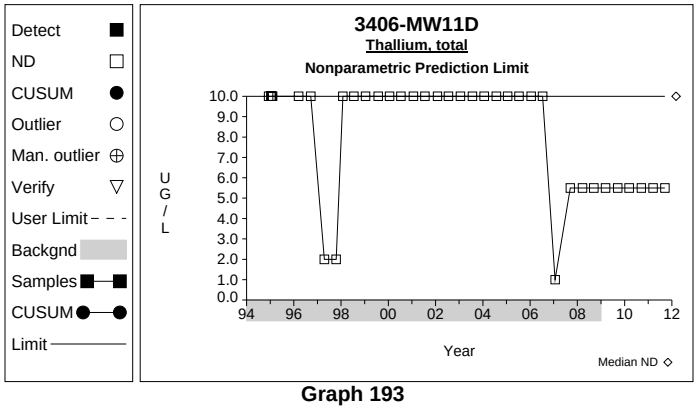

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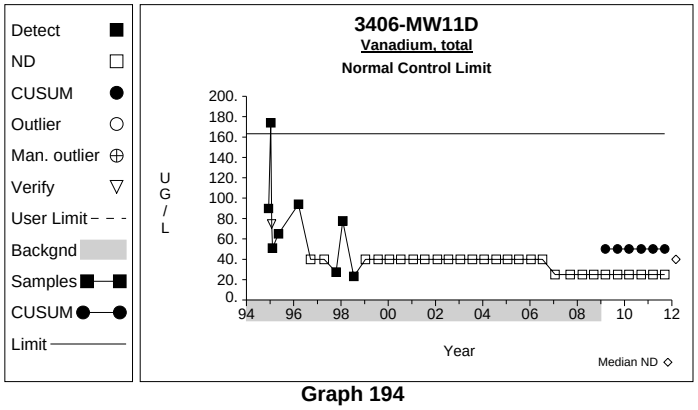
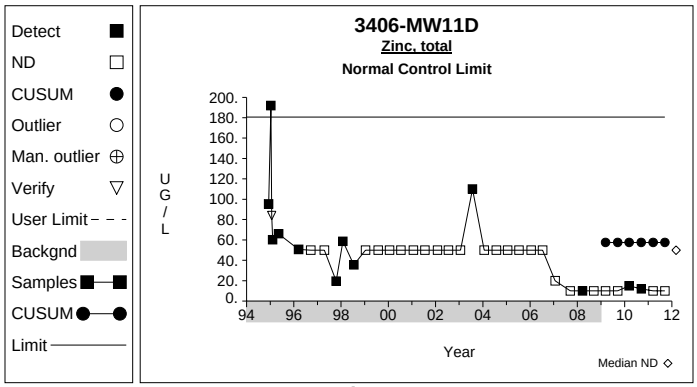
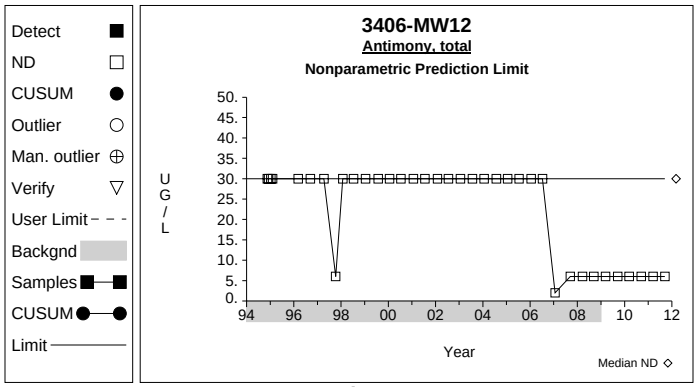


Graph 194



Graph 195

Intra-Well Control Charts



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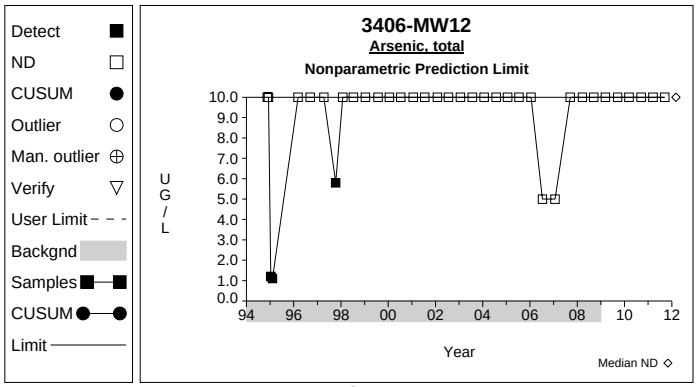

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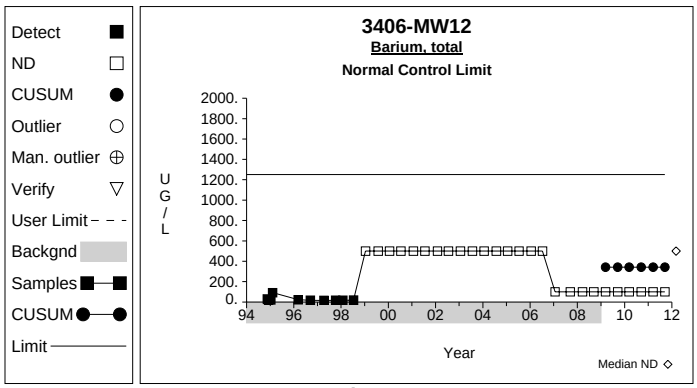

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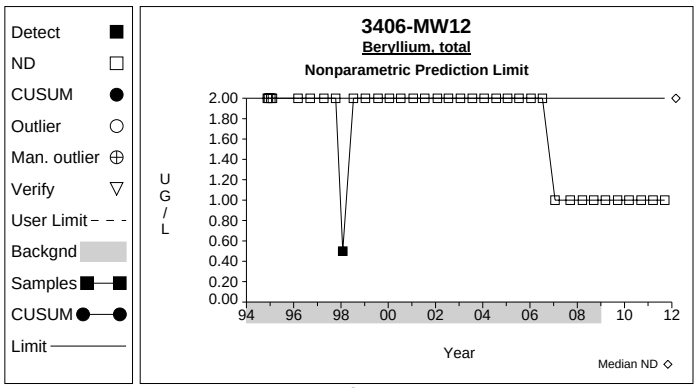

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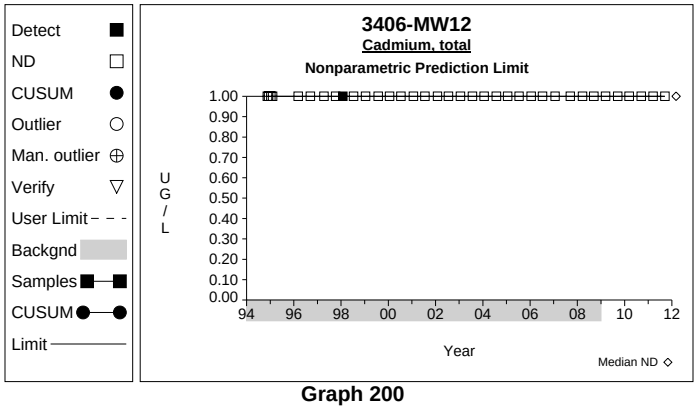
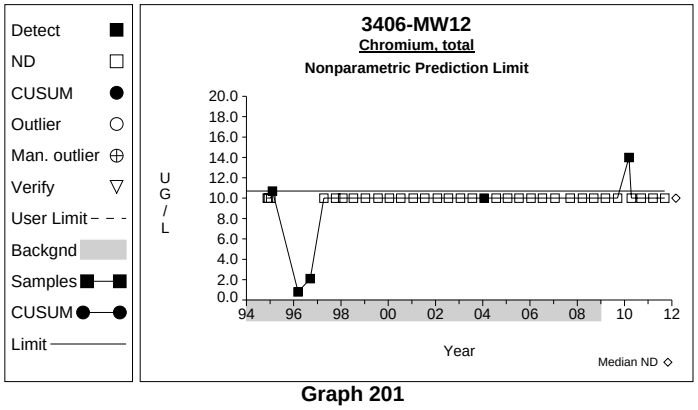
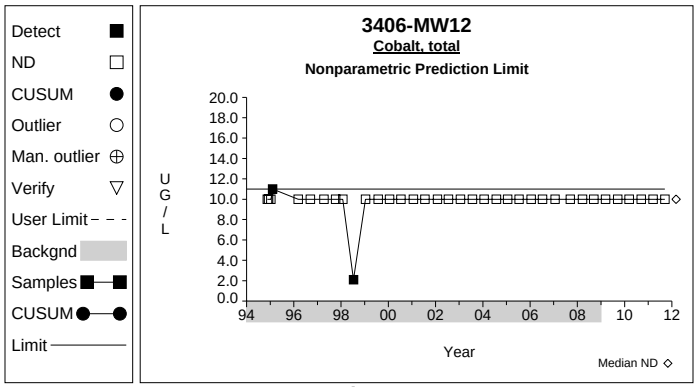


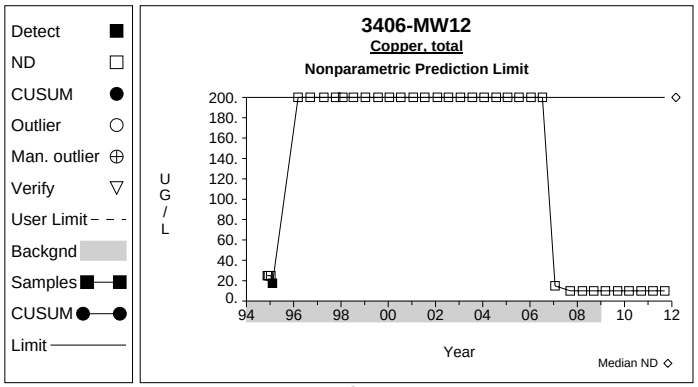
Graph 200



Graph 201

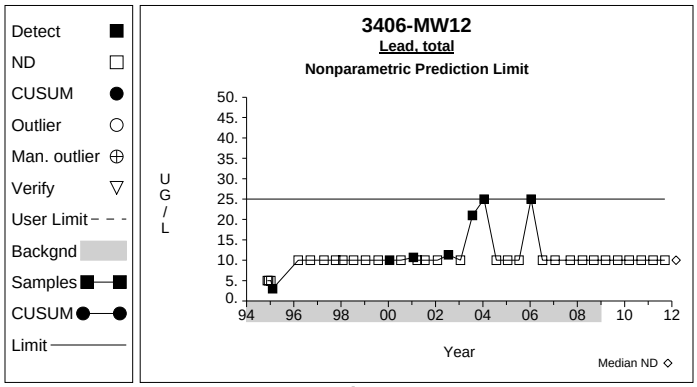


Graph 202

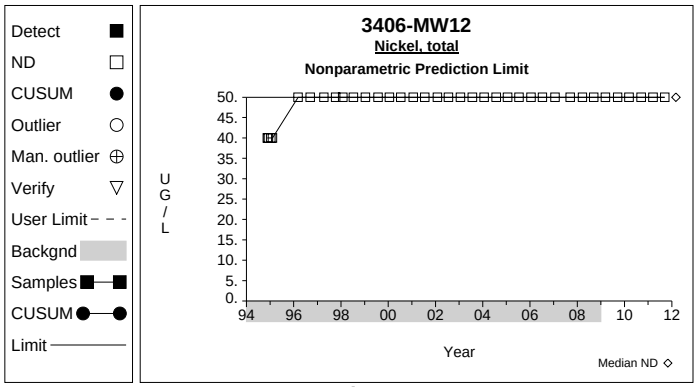


Graph 203

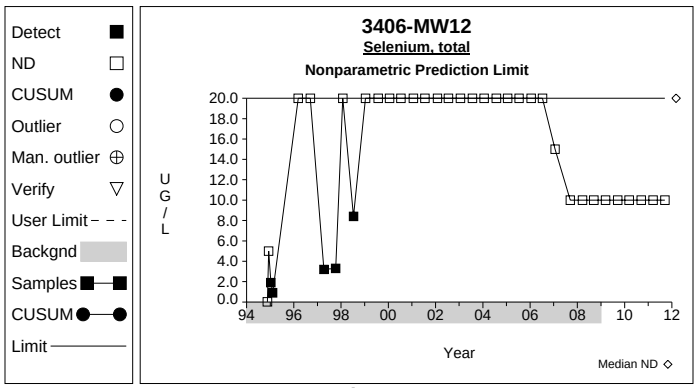
Intra-Well Control Charts



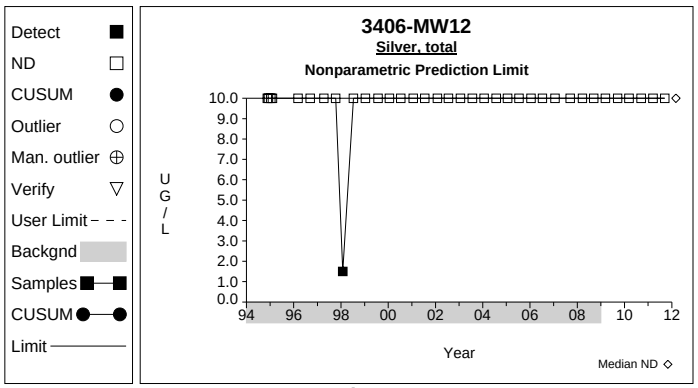
Graph 204



Graph 205



Graph 206



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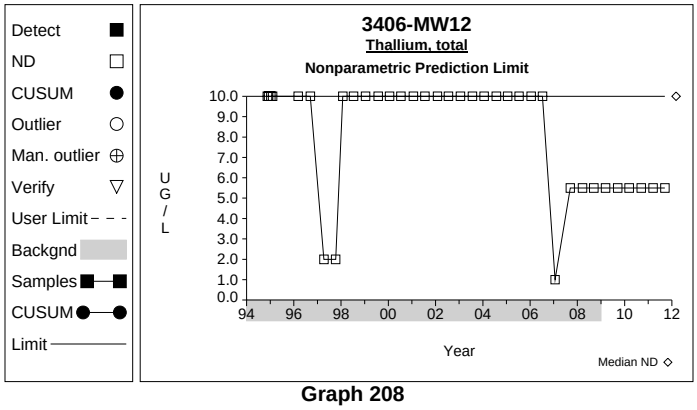
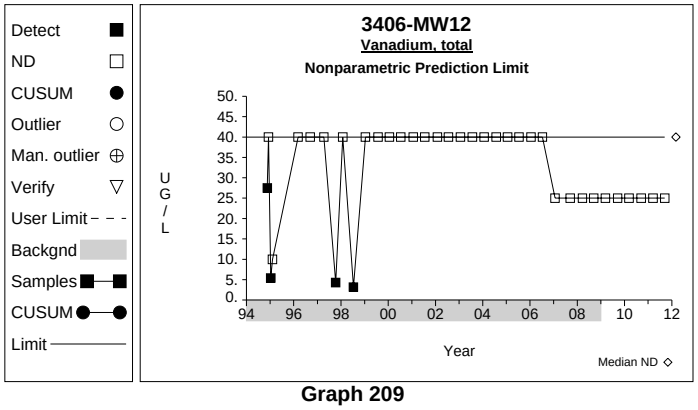


Graph 208



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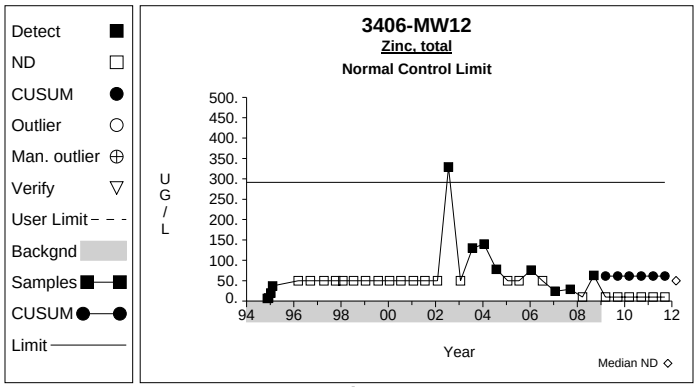
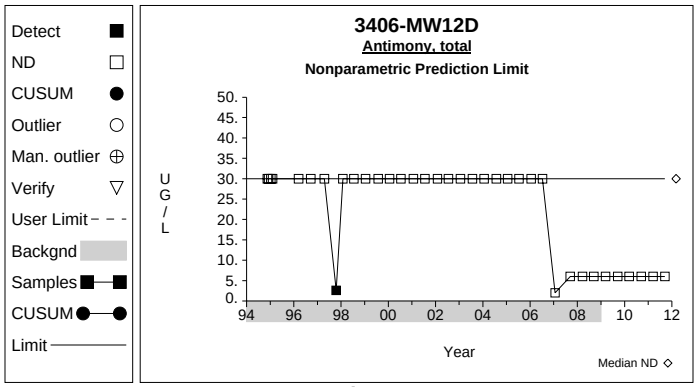


Graph 210

Intra-Well Control Charts



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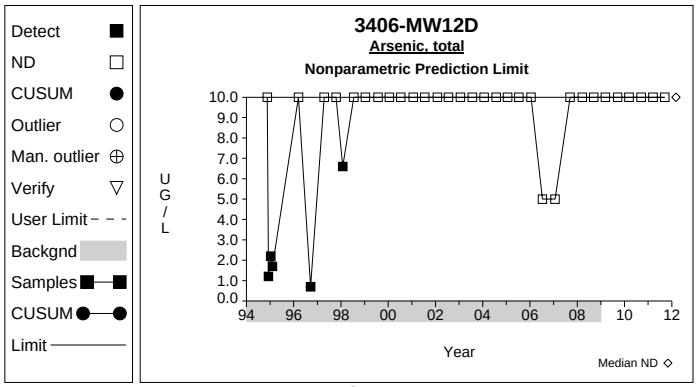
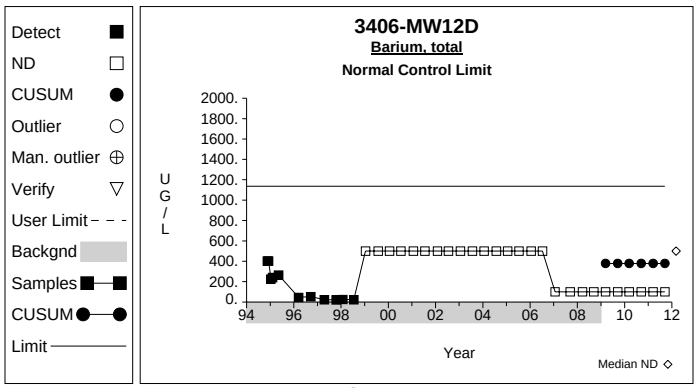
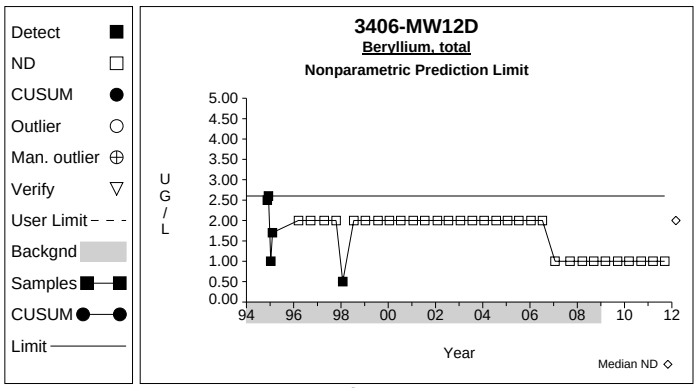


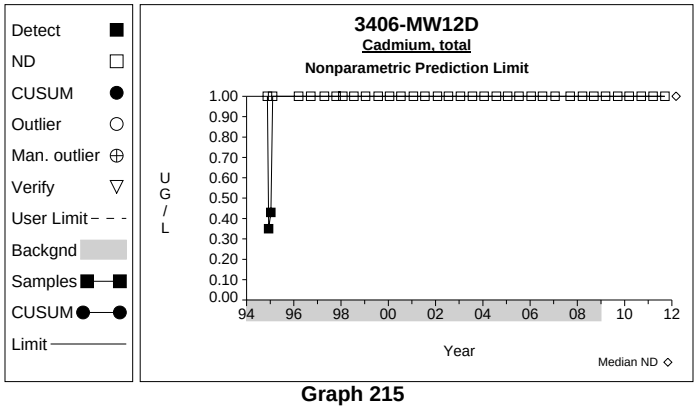
Graph 212



Graph 213



Graph 214



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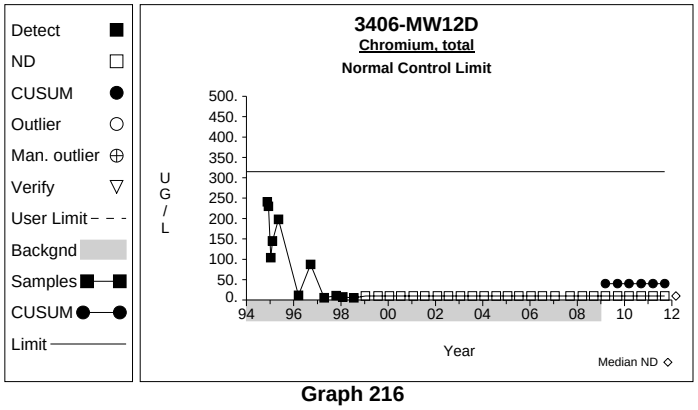
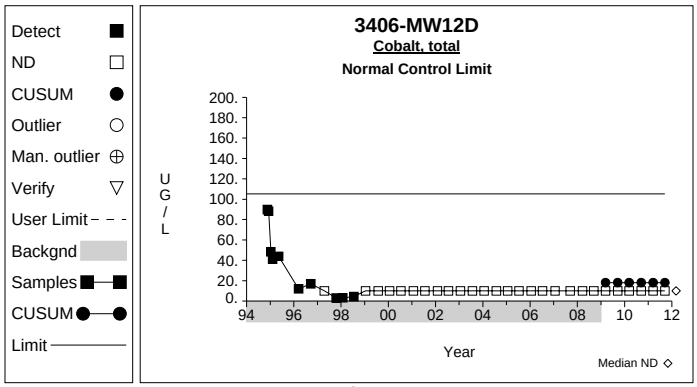
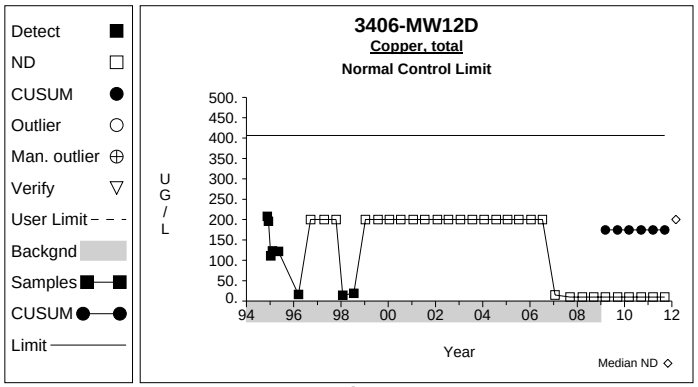


Graph 216

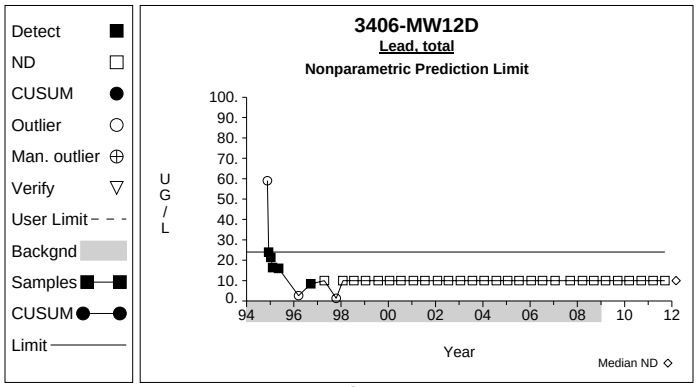


Graph 217

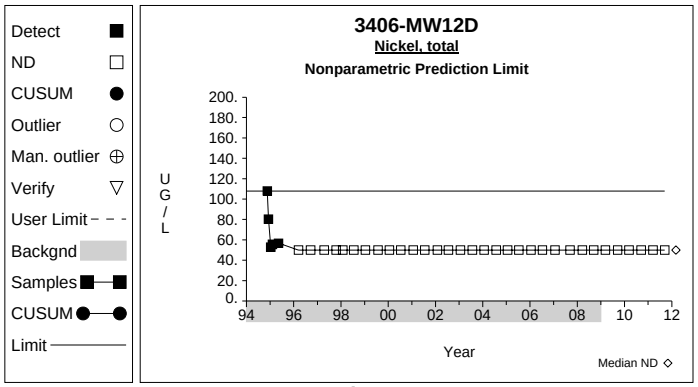


Graph 218

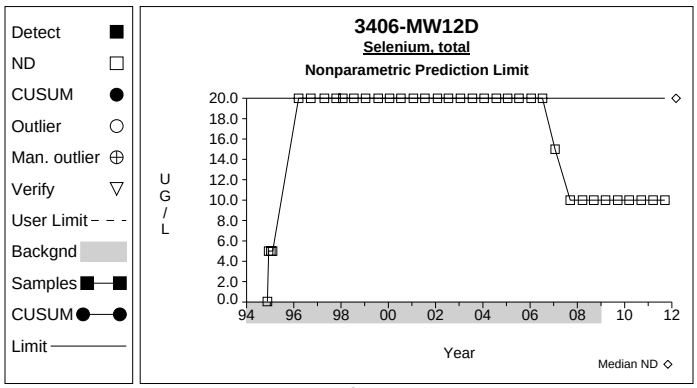
Intra-Well Control Charts



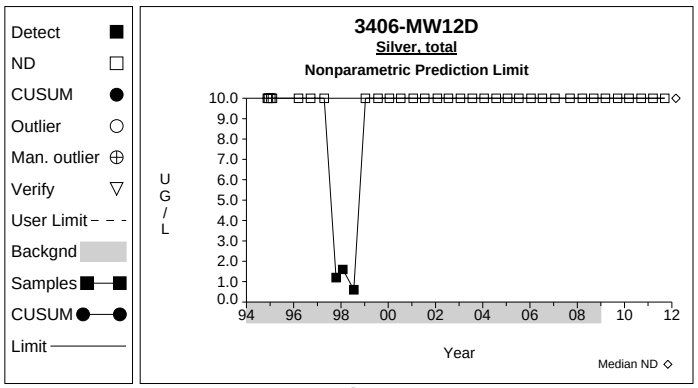
Graph 219



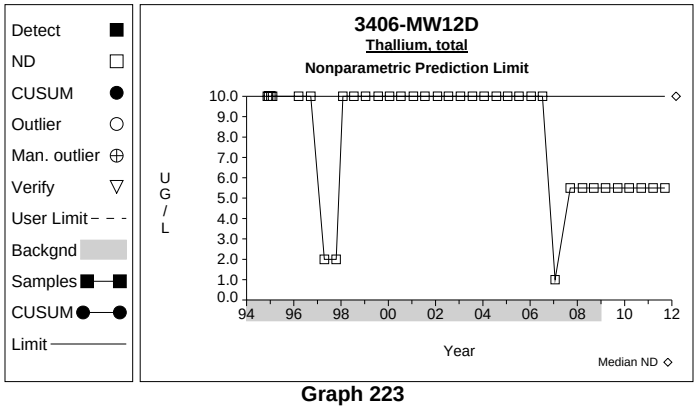
Graph 220



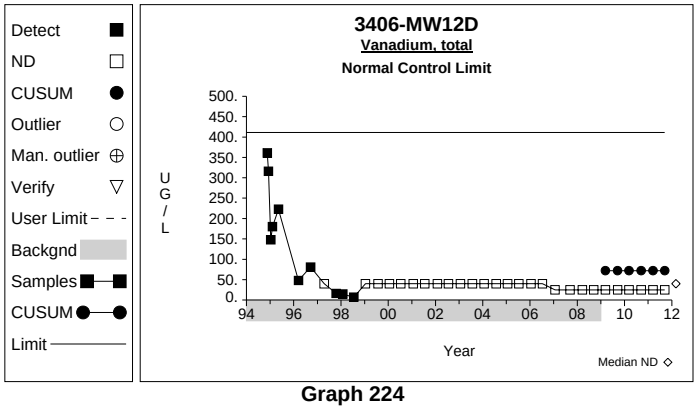
Graph 221



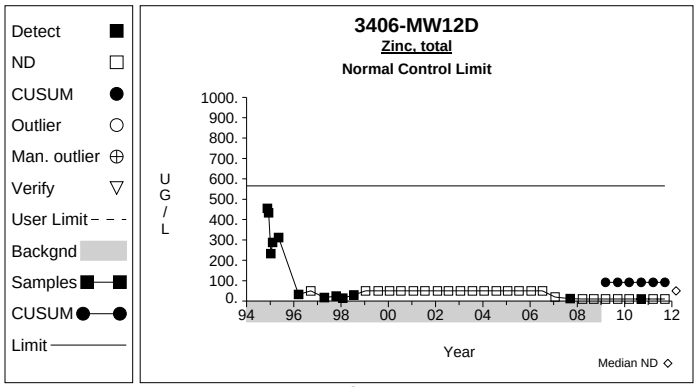
Graph 222



Graph 223

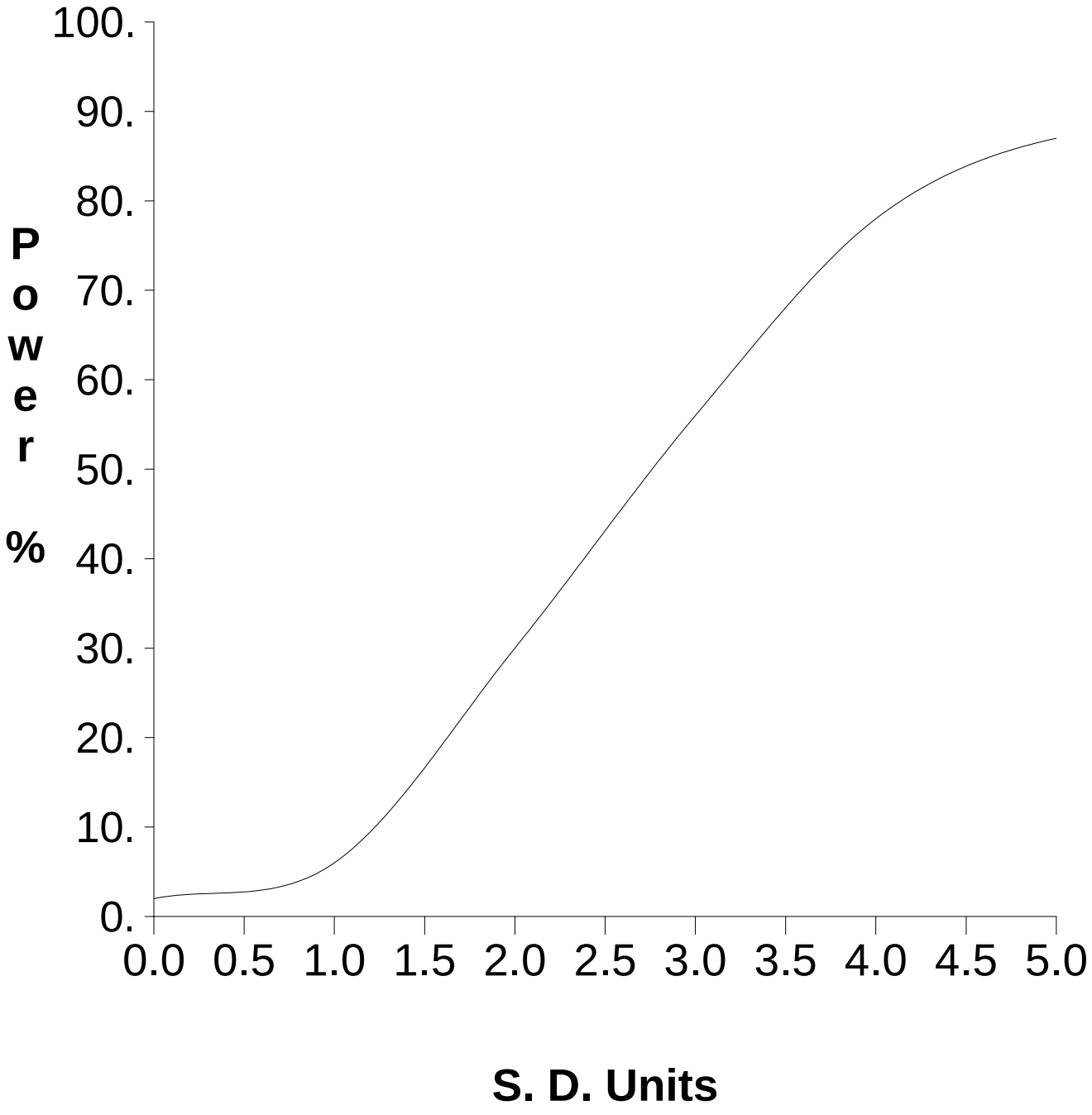


Graph 224



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

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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
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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

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ANALYTICAL REPORT

Job Number: 280-20299-1

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.
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Project Manager II
10/3/2011 4:10 PM

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10/03/2011

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: 280-20299-1

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 09/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.3 C, 5.1C, 4.1C and 3.6C.

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 the sample 3406-MW11D at a similar level, therefore, the Acetone in this sample is likely due to laboratory artifact.

Methylene Chloride, a common laboratory contaminant, was detected in the trip blank sample at a level above the requested reporting limit. Methylene Chloride was also detected in the samples 3406-MW11, 3406-MW11D, 3406-MW12 and 3406-MW12D at similar levels, therefore, the Methylene Chloride in these samples is likely due to laboratory artifact.

Method Blanks

Acetone, Methylene Chloride Method 8260B, Total Iron, Total Manganese, Total Sodium Method 6010C and Total Organic Carbon (TOC) Method 5310B were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

The Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

Sample 3406-MW11D was selected to fulfill the laboratory batch quality control requirements for Method 8260B. Analysis of the laboratory generated MS/MSD for these samples exhibited recoveries of Carbon Tetrachloride, 1,1-Dichloroethane and 1,1,1-Trichloroethane above the upper control limits indicating the possible presence of a matrix interference.

The method required MS/MSD could not be performed for Method 8082A and Method SM4500 (Sulfide) due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision and accuracy.

The Matrix Spikes and Matrix Spike Duplicates performed on samples from other clients exhibited recoveries outside control limits for Total Manganese, Total Potassium Method 6010B and Total Cyanide Method 335.4. Because the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

The percent recoveries and/or the relative percent difference of the MS/MSD performed on a sample from another client were outside control limits for Total Sodium Method 6010C because the sample concentration was greater than four times the spike amount.

Sample 3406-MW01 was selected to fulfill the laboratory batch quality control requirements for Method 6010C. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Barium and Total Lead below the lower control limits indicating the possible presence of a matrix interference.

Sample 3406-MW02 was selected to fulfill the laboratory batch quality control requirements for Method 6010C. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Lead below the lower control limit indicating the possible presence of a matrix interference.

Samples 3406-MW04 and 3406-MW09R were selected to fulfill the laboratory batch quality control requirements for Method 350.1. Analysis of the laboratory generated MS/MSD for these samples exhibited recoveries of Ammonia above the upper control limit indicating the possible presence of a matrix interference.

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

Sample Duplicate

The RPD for Total Dissolved Solids Method 2540C performed on sample 3406-MW11 was outside control limits. Because all other QC and calibration criteria were met no corrective action was needed.

Organics

The sample 3406-MW09R required a sulfuric acid clean-up to reduce matrix interferences during the Method 8082A extraction process.

The sample 3406-MW09R required a mercury clean-up to reduce matrix interferences caused by sulfur during the Method 8082A extraction process.

General Comments

The analyses for Method 8270D, Method 8081B and Method 8151A were performed at Environmental Conservation Laboratories, Inc.
ENCO
102-A Woodwinds Industrial Court
Cary, NC 27511
Tel: 919-467-3090

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20299-1	**3406-MW09R**					
1,1-Dichloroethane		2.8	J	5.0	ug/L	8260B
cis-1,2-Dichloroethene		0.19	J	5.0	ug/L	8260B
Well Elevation		764.95			ft/msl	Field Sampling
Depth to water		28.75			ft	Field Sampling
Groundwater Elevation		735.80			ft/msl	Field Sampling
Field pH		5.71			SU	Field Sampling
Field Conductivity		387			umhos/cm	Field Sampling
Field Temperature		19.9			Degrees C	Field Sampling
Field Turbidity		0.5			NTU	Field Sampling
Field Dissolved Oxygen		0.9			mg/L	Field Sampling
Field EH/ORP		82.3			millivolts	Field Sampling
Chloride		11		0.30	mg/L	300.0
Ammonia		0.032	J	0.040	mg/L	350.1
Sulfate		5.9	J	10	mg/L	D516-90, 02
Nitrate as N		3.4		0.50	mg/L	Nitrate by calc
Alkalinity		190		5.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		190		5.0	mg/L	SM 2320B
Total Dissolved Solids		260		10	mg/L	SM 2540C
Total Organic Carbon - Average		0.88	J B	1.0	mg/L	SM 5310B
Total Recoverable						
Calcium		43000		200	ug/L	6010C
Iron		260	J B	300	ug/L	6010C
Magnesium		17000		200	ug/L	6010C
Manganese		500	B	50	ug/L	6010C
Potassium		2200	J	3000	ug/L	6010C
Sodium		13000	B	1000	ug/L	6010C
280-20346-1FB	**3406-01FB**					
Field pH		6.78			SU	Field Sampling
Field Conductivity		1			umhos/cm	Field Sampling
Field Temperature		19.3			Degrees C	Field Sampling
Field Turbidity		0.1			NTU	Field Sampling
Field Dissolved Oxygen		3.8			mg/L	Field Sampling
Field EH/ORP		147			millivolts	Field Sampling

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-2	**3406-MW01**					
Well Elevation		823.93			ft/msl	Field Sampling
Depth to water		44.42			ft	Field Sampling
Groundwater Elevation		878.51			ft/msl	Field Sampling
Field pH		5.67			SU	Field Sampling
Field Conductivity		73			umhos/cm	Field Sampling
Field Temperature		15.8			Degrees C	Field Sampling
Field Turbidity		0.4			NTU	Field Sampling
Field Dissolved Oxygen		1.6			mg/L	Field Sampling
Field EH/ORP		95.3			millivolts	Field Sampling
Chloride		5.3		0.30	mg/L	300.0
Total Alkalinity		28		5.0	mg/L	SM 2320B
Total Dissolved Solids		76		10	mg/L	SM 2540C
Total Recoverable						
Barium		39	J	100	ug/L	6010C
Chromium		1.2	J	10	ug/L	6010C
Nickel		3.0	J	50	ug/L	6010C
Cadmium		0.097	J	1.0	ug/L	6020A
Copper		3.2	J	10	ug/L	6020A
Thallium		0.023	J	5.5	ug/L	6020A
Zinc		8.9	J	10	ug/L	6020A
280-20346-3	**3406-MW02**					
Benzene		0.29	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.32	J	5.0	ug/L	8260B
cis-1,2-Dichloroethene		0.33	J	5.0	ug/L	8260B
Xylenes, Total		0.68	J	5.0	ug/L	8260B
Well Elevation		778.04			ft/msl	Field Sampling
Depth to water		30.46			ft	Field Sampling
Groundwater Elevation		747.58			ft/msl	Field Sampling
Field pH		5.22			SU	Field Sampling
Field Conductivity		127			umhos/cm	Field Sampling
Field Temperature		16.4			Degrees C	Field Sampling
Field Turbidity		2.2			NTU	Field Sampling
Field Dissolved Oxygen		1.1			mg/L	Field Sampling
Field EH/ORP		297.0			millivolts	Field Sampling
Chloride		9.0		0.30	mg/L	300.0
Total Alkalinity		60		5.0	mg/L	SM 2320B
Total Dissolved Solids		120		10	mg/L	SM 2540C
Total Recoverable						
Barium		130		100	ug/L	6010C
Thallium		0.033	J	5.5	ug/L	6020A
Zinc		3.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-4	**3406-MW03**					
Well Elevation		770.08			ft/msl	Field Sampling
Depth to water		27.50			ft	Field Sampling
Groundwater Elevation		742.58			ft/msl	Field Sampling
Field pH		5.50			SU	Field Sampling
Field Conductivity		158			umhos/cm	Field Sampling
Field Temperature		18.3			Degrees C	Field Sampling
Field Turbidity		0.3			NTU	Field Sampling
Field Dissolved Oxygen		2.9			mg/L	Field Sampling
Field EH/ORP		75.3			millivolts	Field Sampling
Chloride		6.2		0.30	mg/L	300.0
Total Alkalinity		64		5.0	mg/L	SM 2320B
Total Dissolved Solids		130		10	mg/L	SM 2540C
Total Recoverable						
Barium		18	J	100	ug/L	6010C
Chromium		13		10	ug/L	6010C
Vanadium		8.7	J	25	ug/L	6010C
280-20346-5	**3406-MW04**					
Well Elevation		756.92			ft/msl	Field Sampling
Depth to water		14.91			ft	Field Sampling
Groundwater Elevation		742.01			ft/msl	Field Sampling
Field pH		5.32			SU	Field Sampling
Field Conductivity		75			umhos/cm	Field Sampling
Field Temperature		16.3			Degrees C	Field Sampling
Field Turbidity		1.9			NTU	Field Sampling
Field Dissolved Oxygen		0.8			mg/L	Field Sampling
Field EH/ORP		194.0			millivolts	Field Sampling
Chloride		3.8		0.30	mg/L	300.0
Total Alkalinity		39		5.0	mg/L	SM 2320B
Total Dissolved Solids		77		10	mg/L	SM 2540C
Total Recoverable						
Barium		57	J	100	ug/L	6010C
Cobalt		1.2	J	10	ug/L	6010C
Zinc		9.5	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-6	**3406-MW04D**					
Benzene		0.34	J	1.0	ug/L	8260B
Toluene		0.47	J	1.0	ug/L	8260B
Well Elevation		757.33			ft/msl	Field Sampling
Depth to water		15.38			ft	Field Sampling
Groundwater Elevation		741.95			ft/msl	Field Sampling
Field pH		6.17			SU	Field Sampling
Field Conductivity		92			umhos/cm	Field Sampling
Field Temperature		16.0			Degrees C	Field Sampling
Field Turbidity		15.8			NTU	Field Sampling
Field Dissolved Oxygen		1.2			mg/L	Field Sampling
Field EH/ORP		136.0			millivolts	Field Sampling
Chloride		5.1		0.30	mg/L	300.0
Ammonia		0.090		0.040	mg/L	350.1
Total Alkalinity		44		5.0	mg/L	SM 2320B
Total Dissolved Solids		100		10	mg/L	SM 2540C
Total Recoverable						
Barium		27	J	100	ug/L	6010C
Chromium		5.4	J	10	ug/L	6010C
Vanadium		3.5	J	25	ug/L	6010C
Arsenic		0.21	J	10	ug/L	6020A
Zinc		5.4	J	10	ug/L	6020A
280-20346-7	**3406-MW05**					
Well Elevation		743.17			ft/msl	Field Sampling
Depth to water		6.83			ft	Field Sampling
Groundwater Elevation		736.34			ft/msl	Field Sampling
Field pH		5.72			SU	Field Sampling
Field Conductivity		295			umhos/cm	Field Sampling
Field Temperature		13.7			Degrees C	Field Sampling
Field Turbidity		0.5			NTU	Field Sampling
Field Dissolved Oxygen		0.6			mg/L	Field Sampling
Field EH/ORP		75.9			millivolts	Field Sampling
Chloride		10		0.30	mg/L	300.0
Total Alkalinity		160		5.0	mg/L	SM 2320B
Total Dissolved Solids		200		10	mg/L	SM 2540C
Total Recoverable						
Barium		37	J	100	ug/L	6010C
Chromium		2.2	J	10	ug/L	6010C
Nickel		6.3	J	50	ug/L	6010C
Vanadium		6.4	J	25	ug/L	6010C
Zinc		2.1	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-8	**3406-MW06**					
Well Elevation		800.87			ft/msl	Field Sampling
Depth to water		25.40			ft	Field Sampling
Groundwater Elevation		775.47			ft/msl	Field Sampling
Field pH		5.06			SU	Field Sampling
Field Conductivity		36			umhos/cm	Field Sampling
Field Temperature		16.2			Degrees C	Field Sampling
Field Turbidity		0.9			NTU	Field Sampling
Field Dissolved Oxygen		1.8			mg/L	Field Sampling
Field EH/ORP		34.7			millivolts	Field Sampling
Chloride		2.3		0.30	mg/L	300.0
Ammonia		0.083		0.040	mg/L	350.1
Total Alkalinity		14		5.0	mg/L	SM 2320B
Total Dissolved Solids		49		10	mg/L	SM 2540C
Total Recoverable						
Barium		37	J	100	ug/L	6010C
Chromium		1.3	J	10	ug/L	6010C
Copper		0.81	J	10	ug/L	6020A
Zinc		8.1	J	10	ug/L	6020A
280-20346-9	**3406-MW07**					
Well Elevation		771.57			ft/msl	Field Sampling
Depth to water		27.09			ft	Field Sampling
Groundwater Elevation		744.48			ft/msl	Field Sampling
Field pH		5.78			SU	Field Sampling
Field Conductivity		131			umhos/cm	Field Sampling
Field Temperature		15.9			Degrees C	Field Sampling
Field Turbidity		4.4			NTU	Field Sampling
Field Dissolved Oxygen		2.3			mg/L	Field Sampling
Field EH/ORP		167.0			millivolts	Field Sampling
Chloride		5.3		0.30	mg/L	300.0
Total Alkalinity		55		5.0	mg/L	SM 2320B
Total Dissolved Solids		100		10	mg/L	SM 2540C
Total Recoverable						
Barium		3.2	J	100	ug/L	6010C
Chromium		0.68	J	10	ug/L	6010C
Vanadium		5.3	J	25	ug/L	6010C
Copper		0.83	J	10	ug/L	6020A
Thallium		0.026	J	5.5	ug/L	6020A
Zinc		2.5	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-10	**3406-MW08**					
Well Elevation		748.95			ft/msl	Field Sampling
Depth to water		9.67			ft	Field Sampling
Groundwater Elevation		739.28			ft/msl	Field Sampling
Field pH		5.41			SU	Field Sampling
Field Conductivity		135			umhos/cm	Field Sampling
Field Temperature		17.4			Degrees C	Field Sampling
Field Turbidity		3.1			NTU	Field Sampling
Field Dissolved Oxygen		1.3			mg/L	Field Sampling
Field EH/ORP		184.0			millivolts	Field Sampling
Chloride		4.6		0.30	mg/L	300.0
Total Alkalinity		31		5.0	mg/L	SM 2320B
Total Dissolved Solids		96		10	mg/L	SM 2540C
Total Recoverable						
Barium		100		100	ug/L	6010C
Chromium		0.80	J	10	ug/L	6010C
Thallium		0.038	J	5.5	ug/L	6020A
Zinc		2.2	J	10	ug/L	6020A
280-20346-11	**3406-MW10**					
Well Elevation		777.20			ft/msl	Field Sampling
Depth to water		34.50			ft	Field Sampling
Groundwater Elevation		742.70			ft/msl	Field Sampling
Field pH		5.35			SU	Field Sampling
Field Conductivity		116			umhos/cm	Field Sampling
Field Temperature		18.5			Degrees C	Field Sampling
Field Turbidity		0.5			NTU	Field Sampling
Field Dissolved Oxygen		3.2			mg/L	Field Sampling
Field EH/ORP		116			millivolts	Field Sampling
Chloride		2.9		0.30	mg/L	300.0
Total Alkalinity		60		5.0	mg/L	SM 2320B
Total Dissolved Solids		88		10	mg/L	SM 2540C
Total Recoverable						
Barium		6.3	J	100	ug/L	6010C
Chromium		4.5	J	10	ug/L	6010C
Nickel		1.5	J	50	ug/L	6010C
Vanadium		4.3	J	25	ug/L	6010C
Copper		0.89	J	10	ug/L	6020A
Zinc		5.7	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-12	**3406-MW11**					
1,1-Dichloroethane		0.43	J	5.0	ug/L	8260B
Methylene Chloride		0.96	J B	1.0	ug/L	8260B
Well Elevation		776.80			ft/msl	Field Sampling
Depth to water		30.16			ft	Field Sampling
Groundwater Elevation		746.64			ft/msl	Field Sampling
Field pH		5.47			SU	Field Sampling
Field Conductivity		158			umhos/cm	Field Sampling
Field Temperature		16.1			Degrees C	Field Sampling
Field Turbidity		5.1			NTU	Field Sampling
Field Dissolved Oxygen		1.2			mg/L	Field Sampling
Field EH/ORP		140.0			millivolts	Field Sampling
Chloride		2.7		0.30	mg/L	300.0
Total Alkalinity		93		5.0	mg/L	SM 2320B
Total Dissolved Solids		120		10	mg/L	SM 2540C
Total Recoverable						
Barium		61	J	100	ug/L	6010C
Cobalt		3.4	J	10	ug/L	6010C
Vanadium		2.1	J	25	ug/L	6010C
Cadmium		0.040	J	1.0	ug/L	6020A
Copper		2.2	J	10	ug/L	6020A
Zinc		9.5	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-13	**3406-MW11D**					
Acetone		2.2	J B	100	ug/L	8260B
Methylene Chloride		0.83	J B	1.0	ug/L	8260B
Well Elevation		776.36			ft/msl	Field Sampling
Depth to water		30.10			ft	Field Sampling
Groundwater Elevation		746.26			ft/msl	Field Sampling
Field pH		6.27			SU	Field Sampling
Field Conductivity		72			umhos/cm	Field Sampling
Field Temperature		15.2			Degrees C	Field Sampling
Field Turbidity		16.9			NTU	Field Sampling
Field Dissolved Oxygen		3.7			mg/L	Field Sampling
Field EH/ORP		125.0			millivolts	Field Sampling
Chloride		0.94		0.30	mg/L	300.0
Ammonia		0.024	J	0.040	mg/L	350.1
Total Alkalinity		39		5.0	mg/L	SM 2320B
Total Dissolved Solids		76		10	mg/L	SM 2540C
Total Recoverable						
Barium		30	J	100	ug/L	6010C
Chromium		6.6	J	10	ug/L	6010C
Nickel		1.5	J	50	ug/L	6010C
Vanadium		14	J	25	ug/L	6010C
Copper		7.4	J	10	ug/L	6020A
Zinc		8.6	J	10	ug/L	6020A
280-20346-14	**3406-MW12**					
Methylene Chloride		0.83	J B	1.0	ug/L	8260B
Well Elevation		751.48			ft/msl	Field Sampling
Depth to water		7.13			ft	Field Sampling
Groundwater Elevation		744.35			ft/msl	Field Sampling
Field pH		5.91			SU	Field Sampling
Field Conductivity		140			umhos/cm	Field Sampling
Field Temperature		16.4			Degrees C	Field Sampling
Field Turbidity		7.8			NTU	Field Sampling
Field Dissolved Oxygen		1.1			mg/L	Field Sampling
Field EH/ORP		126.0			millivolts	Field Sampling
Chloride		4.6		0.30	mg/L	300.0
Total Alkalinity		63		5.0	mg/L	SM 2320B
Total Dissolved Solids		110		10	mg/L	SM 2540C
Total Recoverable						
Barium		21	J	100	ug/L	6010C
Chromium		2.1	J	10	ug/L	6010C
Vanadium		4.3	J	25	ug/L	6010C
Copper		1.4	J	10	ug/L	6020A
Zinc		2.5	J	10	ug/L	6020A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20346-15	**3406-MW12D**					
Methylene Chloride		0.88	J B	1.0	ug/L	8260B
Well Elevation		751.48			ft/msl	Field Sampling
Depth to water		6.87			ft	Field Sampling
Groundwater Elevation		744.61			ft/msl	Field Sampling
Field pH		6.40			SU	Field Sampling
Field Conductivity		236			umhos/cm	Field Sampling
Field Temperature		15.1			Degrees C	Field Sampling
Field Turbidity		1.5			NTU	Field Sampling
Field Dissolved Oxygen		0.8			mg/L	Field Sampling
Field EH/ORP		129.0			millivolts	Field Sampling
Chloride		4.4		0.30	mg/L	300.0
Total Alkalinity		110		5.0	mg/L	SM 2320B
Total Dissolved Solids		160		10	mg/L	SM 2540C
Total Recoverable						
Barium		6.4	J	100	ug/L	6010C
Chromium		0.67	J	10	ug/L	6010C
Vanadium		2.2	J	25	ug/L	6010C
280-20346-16TB	**TRIP BLANK**					
Acetone		3.4	J B	100	ug/L	8260B
Methylene Chloride		1.8	B	1.0	ug/L	8260B
280-20346-18	**3406-MW09R**					
Total Recoverable						
Barium		15	J	100	ug/L	6010C
Nickel		3.0	J	50	ug/L	6010C
Vanadium		9.5	J	25	ug/L	6010C
Cadmium		0.080	J	1.0	ug/L	6020A
Copper		5.7	J	10	ug/L	6020A
Zinc		5.1	J	10	ug/L	6020A

METHOD SUMMARY

Client: Waste Management

Job Number: 280-20299-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
General Sub Contract Method		Subcontract	
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury			SW846 7470A
Anions, Ion Chromatography	TAL DEN	MCAWW 300.0	
Cyanide, Total	TAL DEN	MCAWW 335.4	
Distillation, Cyanide			Distill/CN
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Sulfate	TAL DEN	ASTM D516-90, 02	
Nitrogen, Nitrate-Nitrite	TAL DEN	SM Nitrate by calc	
Alkalinity	TAL DEN	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
Sulfide, Total	TAL DEN	SM SM 4500 S2 F	
Organic Carbon, Total (TOC)	TAL DEN	SM SM 5310B	
Field Sampling	TAL DEN	EPA Field Sampling	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

ASTM = ASTM International

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: 280-20299-1

Method	Analyst	Analyst ID
SW846 8260B	Lipan, Troy B	TBL
SW846 8260B	Seifert, Judy	JS
SW846 8082A	Pavlakovich, Adam M	AMP
SW846 6010C	Harre, John K	JKH
SW846 6020A	Lill, Thomas E	TEL
SW846 7470A	Rawlings, Brendon L	BLR
EPA Field Sampling	Field, Sampler	FS
MCAWW 300.0	Kudla, Ewa	EK
MCAWW 335.4	Kilker, Lorelei M	LMK
MCAWW 350.1	Scott, Samantha J	SJS
ASTM D516-90, 02	Taylor, Juli M	JMT
SM Nitrate by calc	Sullivan, Roxanne	RS
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM 4500 S2 F	Plumb, Paul M	PMP
SM SM 5310B	Yates, George E	GEY

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-20299-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-20299-1	3406-MW09R	Water	09/14/2011 1013	09/15/2011 0930
280-20299-2TB	TRIP BLANK	Water	09/14/2011 1013	09/15/2011 0930
280-20346-1FB	3406-01FB	Water	09/14/2011 1230	09/15/2011 0930
280-20346-2	3406-MW01	Water	09/14/2011 0832	09/15/2011 0930
280-20346-3	3406-MW02	Water	09/14/2011 1037	09/15/2011 0930
280-20346-4	3406-MW03	Water	09/14/2011 1130	09/15/2011 0930
280-20346-5	3406-MW04	Water	09/14/2011 0836	09/15/2011 0930
280-20346-6	3406-MW04D	Water	09/14/2011 0908	09/15/2011 0930
280-20346-7	3406-MW05	Water	09/14/2011 0748	09/15/2011 0930
280-20346-8	3406-MW06	Water	09/14/2011 0912	09/15/2011 0930
280-20346-9	3406-MW07	Water	09/14/2011 1238	09/15/2011 0930
280-20346-10	3406-MW08	Water	09/14/2011 0954	09/15/2011 0930
280-20346-11	3406-MW10	Water	09/14/2011 1219	09/15/2011 0930
280-20346-12	3406-MW11	Water	09/14/2011 1134	09/15/2011 0930
280-20346-13	3406-MW11D	Water	09/14/2011 1208	09/15/2011 0930
280-20346-14	3406-MW12	Water	09/14/2011 0803	09/15/2011 0930
280-20346-15	3406-MW12D	Water	09/14/2011 0732	09/15/2011 0930
280-20346-16TB	TRIP BLANK	Water	09/14/2011 0732	09/15/2011 0930
280-20346-18	3406-MW09R	Water	09/14/2011 1013	09/15/2011 0930

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0220.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2225			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2225				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acetonitrile	ND		9.6	30
Acrolein	ND		2.8	20
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
2-Butanone (MEK)	ND		2.0	100
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Chloroprene	ND		0.21	1.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
Chloromethane	ND		0.30	1.0
Allyl chloride	ND		0.17	2.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
Dichlorodifluoromethane	ND		0.31	2.0
1,1-Dichloroethane	2.8	J	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
1,3-Dichloropropane	ND		0.22	1.0
2,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
Ethyl methacrylate	ND		0.86	3.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Isobutyl alcohol	ND		37	110
Methacrylonitrile	ND		1.6	10
Methylene Chloride	ND		0.32	1.0
Methyl methacrylate	ND		1.1	4.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0220.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2225			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2225				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Propionitrile	ND		3.7	20
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
Toluene	ND		0.17	1.0
1,2,4-Trichlorobenzene	ND		0.21	10
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
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	99		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20299-2TB

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2034			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2034				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acetonitrile	ND		9.6	30
Acrolein	ND		2.8	20
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
2-Butanone (MEK)	ND		2.0	100
Carbon disulfide	ND		0.45	100
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	3.0
Chloroprene	ND		0.21	1.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
Chloromethane	ND		0.30	1.0
Allyl chloride	ND		0.17	2.0
1,2-Dibromo-3-Chloropropane	ND		0.47	13
Dibromomethane	ND		0.17	10
1,2-Dichlorobenzene	ND		0.15	5.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
trans-1,4-Dichloro-2-butene	ND		0.80	100
Dichlorodifluoromethane	ND		0.31	2.0
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
1,3-Dichloropropane	ND		0.22	1.0
2,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
Ethyl methacrylate	ND		0.86	3.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Isobutyl alcohol	ND		37	110
Methacrylonitrile	ND		1.6	10
Methylene Chloride	ND		0.32	1.0
Methyl methacrylate	ND		1.1	4.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20299-2TB

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2034			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2034				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Propionitrile	ND		3.7	20
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
Toluene	ND		0.17	1.0
1,2,4-Trichlorobenzene	ND		0.21	10
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
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127
Toluene-d8 (Surr)	105		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	85		77 - 120

Client: Waste Management

Job Number: 280-20299-1

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

Lab Sample ID: 280-20346-1FB

Client Matrix: Water

Date Sampled: 09/14/2011 1230

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0225.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0015			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0015				

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: 280-20299-1

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

Lab Sample ID: 280-20346-1FB

Client Matrix: Water

Date Sampled: 09/14/2011 1230

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0225.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0015			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0015				

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)	89		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	102		78 - 120
Dibromofluoromethane (Surr)	85		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-20346-2

Client Matrix: Water

Date Sampled: 09/14/2011 0832

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0226.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0037			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0037				

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: 280-20299-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-20346-2

Client Matrix: Water

Date Sampled: 09/14/2011 0832

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0226.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0037			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0037				

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)	90		70 - 127
Toluene-d8 (Surr)	105		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	84		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-20346-3

Client Matrix: Water

Date Sampled: 09/14/2011 1037

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0229.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0143			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0143				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	0.29	J	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	0.32	J	0.22	5.0
1,2-Dichloroethane	ND		0.13	1.0
cis-1,2-Dichloroethene	0.33	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	0.68	J	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: 280-20299-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-20346-3

Client Matrix: Water

Date Sampled: 09/14/2011 1037

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0229.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0143			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0143				

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)	99		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-20346-4

Client Matrix: Water

Date Sampled: 09/14/2011 1130

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0230.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0205			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0205				

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: 280-20299-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-20346-4

Client Matrix: Water

Date Sampled: 09/14/2011 1130

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0230.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0205			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0205				

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)	89		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	105		78 - 120
Dibromofluoromethane (Surr)	86		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-20346-5

Client Matrix: Water

Date Sampled: 09/14/2011 0836

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0231.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0227			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0227				

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: 280-20299-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-20346-5

Client Matrix: Water

Date Sampled: 09/14/2011 0836

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0231.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0227			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0227				

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)	90		70 - 127
Toluene-d8 (Surr)	110		80 - 125
4-Bromofluorobenzene (Surr)	105		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-20346-6

Client Matrix: Water

Date Sampled: 09/14/2011 0908

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0232.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0248			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0248				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.9	100
Acrylonitrile	ND		1.4	200
Benzene	0.34	J	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	0.47	J	0.17	1.0

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-20346-6

Client Matrix: Water

Date Sampled: 09/14/2011 0908

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0232.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0248			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0248				

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)	94		70 - 127
Toluene-d8 (Surr)	107		80 - 125
4-Bromofluorobenzene (Surr)	106		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-20346-7

Client Matrix: Water

Date Sampled: 09/14/2011 0748

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0233.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0310			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0310				

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: 280-20299-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-20346-7

Client Matrix: Water

Date Sampled: 09/14/2011 0748

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0233.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0310			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0310				

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)	90		70 - 127
Toluene-d8 (Surr)	108		80 - 125
4-Bromofluorobenzene (Surr)	105		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-20346-8

Client Matrix: Water

Date Sampled: 09/14/2011 0912

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0234.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0332			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0332				

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: 280-20299-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-20346-8

Client Matrix: Water

Date Sampled: 09/14/2011 0912

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0234.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0332			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0332				

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)	89		70 - 127
Toluene-d8 (Surr)	110		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-20346-9

Client Matrix: Water

Date Sampled: 09/14/2011 1238

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0354			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0354				

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: 280-20299-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-20346-9

Client Matrix: Water

Date Sampled: 09/14/2011 1238

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0354			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0354				

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)	90		70 - 127
Toluene-d8 (Surr)	107		80 - 125
4-Bromofluorobenzene (Surr)	108		78 - 120
Dibromofluoromethane (Surr)	86		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-20346-10

Client Matrix: Water

Date Sampled: 09/14/2011 0954

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0236.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0416			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0416				

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: 280-20299-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-20346-10

Client Matrix: Water

Date Sampled: 09/14/2011 0954

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0236.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0416			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0416				

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)	98		70 - 127
Toluene-d8 (Surr)	118		80 - 125
4-Bromofluorobenzene (Surr)	114		78 - 120
Dibromofluoromethane (Surr)	96		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-20346-11

Client Matrix: Water

Date Sampled: 09/14/2011 1219

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0237.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0437			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0437				

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: 280-20299-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-20346-11

Client Matrix: Water

Date Sampled: 09/14/2011 1219

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0237.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0437			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0437				

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)	97		70 - 127
Toluene-d8 (Surr)	120		80 - 125
4-Bromofluorobenzene (Surr)	113		78 - 120
Dibromofluoromethane (Surr)	92		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-20346-12

Client Matrix: Water

Date Sampled: 09/14/2011 1134

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0679.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0011			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0011				

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	0.43	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	0.96	J B	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: 280-20299-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-20346-12

Client Matrix: Water

Date Sampled: 09/14/2011 1134

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0679.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0011			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0011				

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)	102		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	99		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-20346-13

Client Matrix: Water

Date Sampled: 09/14/2011 1208

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0680.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0031			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0031				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.2	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	0.83	J B	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: 280-20299-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-20346-13

Client Matrix: Water

Date Sampled: 09/14/2011 1208

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0680.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0031			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0031				

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)	106		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-20346-14

Client Matrix: Water

Date Sampled: 09/14/2011 0803

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0683.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0133			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0133				

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	0.83	J B	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: 280-20299-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-20346-14

Client Matrix: Water

Date Sampled: 09/14/2011 0803

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0683.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0133			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0133				

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)	109		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	99		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-20346-15

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0684.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0154			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0154				

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	0.88	J B	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: 280-20299-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-20346-15

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0684.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0154			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0154				

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)	111		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20346-16TB

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0685.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0214			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0214				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.4	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	1.8	B	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: 280-20299-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20346-16TB

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R0685.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0214			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0214				

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)	112		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	280-87115	Instrument ID:	GCS_P3
Prep Method:	3510C	Prep Batch:	280-86403	Initial Weight/Volume:	1051.6 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	09/20/2011 1612			Injection Volume:	1 uL
Prep Date:	09/16/2011 1136			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1221	ND		0.20	1.9
Aroclor 1016	ND		0.12	1.9
Aroclor 1232	ND		0.16	1.9
Aroclor 1242	ND		0.099	1.9
Aroclor 1248	ND		0.087	1.9
Aroclor 1254	ND		0.11	1.9
Aroclor 1260	ND		0.15	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	73		25 - 120
DCB Decachlorobiphenyl	75		30 - 136

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0032			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Calcium	43000		35	200
Tin	ND		5.8	100
Iron	260	J B	22	300
Magnesium	17000		11	200
Manganese	500	B	0.25	50
Potassium	2200	J	240	3000
Sodium	13000	B	92	1000

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1834			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				

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

Client: Waste Management

Job Number: 280-20299-1

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

Lab Sample ID: 280-20346-1FB

Client Matrix: Water

Date Sampled: 09/14/2011 1230

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1847			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	095SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2333			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	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: 280-20299-1

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-20346-2

Client Matrix: Water

Date Sampled: 09/14/2011 0832

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1850			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	39	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	1.2	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	3.0	J	1.3	50
Vanadium	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	096AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2336			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.097	J	0.040	1.0
Copper	3.2	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.023	J	0.020	5.5
Zinc	8.9	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-20346-3

Client Matrix: Water

Date Sampled: 09/14/2011 1037

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1910			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	104AREF.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2359			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.033	J	0.020	5.5
Zinc	3.1	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-20346-4

Client Matrix: Water

Date Sampled: 09/14/2011 1130

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1916			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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	8.7	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	107SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0008			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	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: 280-20299-1

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-20346-5

Client Matrix: Water

Date Sampled: 09/14/2011 0836

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1919			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	57	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	ND		0.66	10
Cobalt	1.2	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:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	108SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0011			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	9.5	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-20346-6

Client Matrix: Water

Date Sampled: 09/14/2011 0908

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1921			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	27	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	5.4	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	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	109SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0014			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	0.21	J	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	5.4	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-20346-7

Client Matrix: Water

Date Sampled: 09/14/2011 0748

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1923			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	2.2	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	6.3	J	1.3	50
Vanadium	6.4	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	110SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0017			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	2.1	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-20346-8

Client Matrix: Water

Date Sampled: 09/14/2011 0912

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1926			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	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	ND		1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	111SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0020			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	0.81	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	8.1	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-20346-9

Client Matrix: Water

Date Sampled: 09/14/2011 1238

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1937			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	3.2	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	0.68	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	5.3	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	115SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0032			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	0.83	J	0.56	10
Selenium	ND		0.70	10
Thallium	0.026	J	0.020	5.5
Zinc	2.5	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-20346-10

Client Matrix: Water

Date Sampled: 09/14/2011 0954

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1940			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	100		0.58	100
Beryllium	ND		0.47	1.0
Chromium	0.80	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:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	116SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0034			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	ND		0.56	10
Selenium	ND		0.70	10
Thallium	0.038	J	0.020	5.5
Zinc	2.2	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-20346-11

Client Matrix: Water

Date Sampled: 09/14/2011 1219

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1942			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	6.3	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	4.5	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	1.5	J	1.3	50
Vanadium	4.3	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	117SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0037			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	0.89	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	5.7	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-20346-12

Client Matrix: Water

Date Sampled: 09/14/2011 1134

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1944			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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	3.4	J	1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	2.1	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	118SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0040			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.040	J	0.040	1.0
Copper	2.2	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	9.5	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-20346-13

Client Matrix: Water

Date Sampled: 09/14/2011 1208

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1947			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	30	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	6.6	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	1.5	J	1.3	50
Vanadium	14	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	119SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0043			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	7.4	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	8.6	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-20346-14

Client Matrix: Water

Date Sampled: 09/14/2011 0803

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1949			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	21	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	2.1	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	4.3	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	120SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0046			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	1.4	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	2.5	J	2.0	10

Client: Waste Management

Job Number: 280-20299-1

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-20346-15

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1951			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	6.4	J	0.58	100
Beryllium	ND		0.47	1.0
Chromium	0.67	J	0.66	10
Cobalt	ND		1.2	10
Lead	ND		2.6	10
Nickel	ND		1.3	50
Vanadium	2.2	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	121SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0049			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

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	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: 280-20299-1

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20346-18

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87242	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1953			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	15	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	9.5	J	1.1	25
Silver	ND		0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Prep Method:	3005A	Prep Batch:	280-86419	Lab File ID:	122SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0052			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	ND		0.21	10
Cadmium	0.080	J	0.040	1.0
Copper	5.7	J	0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	5.1	J	2.0	10

General Chemistry

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1 Date Sampled: 09/14/2011 1013
Client Matrix: Water Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	11		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87361	Analysis Date: 09/21/2011 1930						
Cyanide, Total	ND		mg/L	0.0020	0.010	1.0	335.4
Analysis Batch: 280-87041	Analysis Date: 09/20/2011 1738						
Prep Batch: 280-86913	Prep Date: 09/20/2011 1032						
Ammonia	0.032	J	mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-87253	Analysis Date: 09/21/2011 1646						
Sulfate	5.9	J	mg/L	4.9	10	1.0	D516-90, 02
Analysis Batch: 280-86951	Analysis Date: 09/20/2011 1128						
Nitrate as N	3.4		mg/L	0.019	0.50	1.0	Nitrate by calc
Analysis Batch: 280-87774	Analysis Date: 09/26/2011 0748						
Alkalinity	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1723						
Bicarbonate Alkalinity as CaCO3	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1723						
Carbonate Alkalinity as CaCO3	ND		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1723						
Total Dissolved Solids	260		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-86920	Analysis Date: 09/20/2011 1045						
Sulfide	ND		mg/L	0.50	1.0	1.0	SM 4500 S2 F
Analysis Batch: 280-86983	Analysis Date: 09/20/2011 1400						
Total Organic Carbon - Average	0.88	J B	mg/L	0.16	1.0	1.0	SM 5310B
Analysis Batch: 280-87135	Analysis Date: 09/21/2011 0129						

General Chemistry

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-20346-2

Client Matrix: Water

Date Sampled: 09/14/2011 0832

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	5.3		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/22/2011 2216						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1203						
Total Alkalinity	28		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1138						
Total Dissolved Solids	76		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-20346-3

Client Matrix: Water

Date Sampled: 09/14/2011 1037

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	9.0		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/22/2011 2319						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1207						
Total Alkalinity	60		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1153						
Total Dissolved Solids	120		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-20346-4

Client Matrix: Water

Date Sampled: 09/14/2011 1130

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	6.2		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/22/2011 2335						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1209						
Total Alkalinity	64		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1200						
Total Dissolved Solids	130		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-20346-5

Client Matrix: Water

Date Sampled: 09/14/2011 0836

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	3.8		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/22/2011 2351						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1219						
Total Alkalinity	39		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1206						
Total Dissolved Solids	77		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-20346-6

Client Matrix: Water

Date Sampled: 09/14/2011 0908

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	5.1		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0006						
Ammonia	0.090		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1224						
Total Alkalinity	44		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1213						
Total Dissolved Solids	100		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-20346-7

Client Matrix: Water

Date Sampled: 09/14/2011 0748

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	10		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0022						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1225						
Total Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1220						
Total Dissolved Solids	200		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-20346-8

Client Matrix: Water

Date Sampled: 09/14/2011 0912

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	2.3		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0110						
Ammonia	0.083		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1227						
Total Alkalinity	14		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1226						
Total Dissolved Solids	49		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-20346-9

Client Matrix: Water

Date Sampled: 09/14/2011 1238

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	5.3		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0126						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1228						
Total Alkalinity	55		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1234						
Total Dissolved Solids	100		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-20346-10

Client Matrix: Water

Date Sampled: 09/14/2011 0954

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	4.6		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0141						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1230						
Total Alkalinity	31		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1239						
Total Dissolved Solids	96		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-20346-11

Client Matrix: Water

Date Sampled: 09/14/2011 1219

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	2.9		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0157						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1231						
Total Alkalinity	60		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1305						
Total Dissolved Solids	88		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87113	Analysis Date: 09/21/2011 1127						

General Chemistry

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-20346-12

Client Matrix: Water

Date Sampled: 09/14/2011 1134

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	2.7		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0213						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1233						
Total Alkalinity	93		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1311						
Total Dissolved Solids	120		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87118	Analysis Date: 09/21/2011 1139						

General Chemistry

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-20346-13

Client Matrix: Water

Date Sampled: 09/14/2011 1208

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	0.94		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0229						
Ammonia	0.024	J	mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1243						
Total Alkalinity	39		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1319						
Total Dissolved Solids	76		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87118	Analysis Date: 09/21/2011 1139						

General Chemistry

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-20346-14

Client Matrix: Water

Date Sampled: 09/14/2011 0803

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	4.6		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0245						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1245						
Total Alkalinity	63		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1327						
Total Dissolved Solids	110		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87118	Analysis Date: 09/21/2011 1139						

General Chemistry

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-20346-15

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	4.4		mg/L	0.25	0.30	1.0	300.0
Analysis Batch: 280-87524	Analysis Date: 09/23/2011 0300						
Ammonia	ND		mg/L	0.022	0.040	1.0	350.1
Analysis Batch: 280-86988	Analysis Date: 09/20/2011 1246						
Total Alkalinity	110		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87250	Analysis Date: 09/21/2011 1334						
Total Dissolved Solids	160		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-87118	Analysis Date: 09/21/2011 1139						

Field Service / Mobile Lab

Client Sample ID: **3406-MW09R**

Lab Sample ID: 280-20299-1

Client Matrix: Water

Date Sampled: 09/14/2011 1013

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	764.95		ft/msl	1.0	Field Sampling	280-86241	09/14/2011 1013
Depth to water	28.75		ft	1.0	Field Sampling	280-86241	09/14/2011 1013
Groundwater Elevation	735.80		ft/msl	1.0	Field Sampling	280-86241	09/14/2011 1013
Field pH	5.71		SU	1.0	Field Sampling	280-86241	09/14/2011 1013
Field Conductivity	387		umhos/cm	1.0	Field Sampling	280-86241	09/14/2011 1013
Field Temperature	19.9		Degrees C	1.0	Field Sampling	280-86241	09/14/2011 1013
Field Turbidity	0.5		NTU	1.0	Field Sampling	280-86241	09/14/2011 1013
Field Dissolved Oxygen	0.9		mg/L	1.0	Field Sampling	280-86241	09/14/2011 1013
Field EH/ORP	82.3		millivolts	1.0	Field Sampling	280-86241	09/14/2011 1013

Field Service / Mobile Lab

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

Lab Sample ID: 280-20346-1FB

Client Matrix: Water

Date Sampled: 09/14/2011 1230

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.78		SU	1.0	Field Sampling	280-86394	09/14/2011 1230
Field Conductivity	1		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1230
Field Temperature	19.3		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1230
Field Turbidity	0.1		NTU	1.0	Field Sampling	280-86394	09/14/2011 1230
Field Dissolved Oxygen	3.8		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1230
Field EH/ORP	147		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1230

Field Service / Mobile Lab

Client Sample ID: **3406-MW01**

Lab Sample ID: 280-20346-2

Client Matrix: Water

Date Sampled: 09/14/2011 0832

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	823.93		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0832
Depth to water	44.42		ft	1.0	Field Sampling	280-86394	09/14/2011 0832
Groundwater Elevation	878.51		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0832
Field pH	5.67		SU	1.0	Field Sampling	280-86394	09/14/2011 0832
Field Conductivity	73		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0832
Field Temperature	15.8		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0832
Field Turbidity	0.4		NTU	1.0	Field Sampling	280-86394	09/14/2011 0832
Field Dissolved Oxygen	1.6		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0832
Field EH/ORP	95.3		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0832

Field Service / Mobile Lab

Client Sample ID: **3406-MW02**

Lab Sample ID: 280-20346-3

Client Matrix: Water

Date Sampled: 09/14/2011 1037

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	778.04		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1037
Depth to water	30.46		ft	1.0	Field Sampling	280-86394	09/14/2011 1037
Groundwater Elevation	747.58		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1037
Field pH	5.22		SU	1.0	Field Sampling	280-86394	09/14/2011 1037
Field Conductivity	127		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1037
Field Temperature	16.4		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1037
Field Turbidity	2.2		NTU	1.0	Field Sampling	280-86394	09/14/2011 1037
Field Dissolved Oxygen	1.1		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1037
Field EH/ORP	297.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1037

Field Service / Mobile Lab

Client Sample ID: **3406-MW03**

Lab Sample ID: 280-20346-4

Client Matrix: Water

Date Sampled: 09/14/2011 1130

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	770.08		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1130
Depth to water	27.50		ft	1.0	Field Sampling	280-86394	09/14/2011 1130
Groundwater Elevation	742.58		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1130
Field pH	5.50		SU	1.0	Field Sampling	280-86394	09/14/2011 1130
Field Conductivity	158		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1130
Field Temperature	18.3		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1130
Field Turbidity	0.3		NTU	1.0	Field Sampling	280-86394	09/14/2011 1130
Field Dissolved Oxygen	2.9		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1130
Field EH/ORP	75.3		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1130

Field Service / Mobile Lab

Client Sample ID: **3406-MW04**

Lab Sample ID: 280-20346-5

Client Matrix: Water

Date Sampled: 09/14/2011 0836

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	756.92		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0836
Depth to water	14.91		ft	1.0	Field Sampling	280-86394	09/14/2011 0836
Groundwater Elevation	742.01		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0836
Field pH	5.32		SU	1.0	Field Sampling	280-86394	09/14/2011 0836
Field Conductivity	75		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0836
Field Temperature	16.3		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0836
Field Turbidity	1.9		NTU	1.0	Field Sampling	280-86394	09/14/2011 0836
Field Dissolved Oxygen	0.8		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0836
Field EH/ORP	194.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0836

Field Service / Mobile Lab

Client Sample ID: **3406-MW04D**

Lab Sample ID: 280-20346-6

Client Matrix: Water

Date Sampled: 09/14/2011 0908

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	757.33		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0908
Depth to water	15.38		ft	1.0	Field Sampling	280-86394	09/14/2011 0908
Groundwater Elevation	741.95		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0908
Field pH	6.17		SU	1.0	Field Sampling	280-86394	09/14/2011 0908
Field Conductivity	92		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0908
Field Temperature	16.0		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0908
Field Turbidity	15.8		NTU	1.0	Field Sampling	280-86394	09/14/2011 0908
Field Dissolved Oxygen	1.2		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0908
Field EH/ORP	136.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0908

Field Service / Mobile Lab

Client Sample ID: **3406-MW05**

Lab Sample ID: 280-20346-7

Client Matrix: Water

Date Sampled: 09/14/2011 0748

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	743.17		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0748
Depth to water	6.83		ft	1.0	Field Sampling	280-86394	09/14/2011 0748
Groundwater Elevation	736.34		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0748
Field pH	5.72		SU	1.0	Field Sampling	280-86394	09/14/2011 0748
Field Conductivity	295		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0748
Field Temperature	13.7		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0748
Field Turbidity	0.5		NTU	1.0	Field Sampling	280-86394	09/14/2011 0748
Field Dissolved Oxygen	0.6		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0748
Field EH/ORP	75.9		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0748

Field Service / Mobile Lab

Client Sample ID: **3406-MW06**

Lab Sample ID: 280-20346-8

Client Matrix: Water

Date Sampled: 09/14/2011 0912

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	800.87		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0912
Depth to water	25.40		ft	1.0	Field Sampling	280-86394	09/14/2011 0912
Groundwater Elevation	775.47		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0912
Field pH	5.06		SU	1.0	Field Sampling	280-86394	09/14/2011 0912
Field Conductivity	36		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0912
Field Temperature	16.2		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0912
Field Turbidity	0.9		NTU	1.0	Field Sampling	280-86394	09/14/2011 0912
Field Dissolved Oxygen	1.8		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0912
Field EH/ORP	34.7		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0912

Field Service / Mobile Lab

Client Sample ID: **3406-MW07**

Lab Sample ID: 280-20346-9

Client Matrix: Water

Date Sampled: 09/14/2011 1238

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	771.57		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1238
Depth to water	27.09		ft	1.0	Field Sampling	280-86394	09/14/2011 1238
Groundwater Elevation	744.48		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1238
Field pH	5.78		SU	1.0	Field Sampling	280-86394	09/14/2011 1238
Field Conductivity	131		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1238
Field Temperature	15.9		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1238
Field Turbidity	4.4		NTU	1.0	Field Sampling	280-86394	09/14/2011 1238
Field Dissolved Oxygen	2.3		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1238
Field EH/ORP	167.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1238

Field Service / Mobile Lab

Client Sample ID: **3406-MW08**

Lab Sample ID: 280-20346-10

Client Matrix: Water

Date Sampled: 09/14/2011 0954

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	748.95		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0954
Depth to water	9.67		ft	1.0	Field Sampling	280-86394	09/14/2011 0954
Groundwater Elevation	739.28		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0954
Field pH	5.41		SU	1.0	Field Sampling	280-86394	09/14/2011 0954
Field Conductivity	135		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0954
Field Temperature	17.4		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0954
Field Turbidity	3.1		NTU	1.0	Field Sampling	280-86394	09/14/2011 0954
Field Dissolved Oxygen	1.3		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0954
Field EH/ORP	184.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0954

Field Service / Mobile Lab

Client Sample ID: **3406-MW10**

Lab Sample ID: 280-20346-11

Client Matrix: Water

Date Sampled: 09/14/2011 1219

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	777.20		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1219
Depth to water	34.50		ft	1.0	Field Sampling	280-86394	09/14/2011 1219
Groundwater Elevation	742.70		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1219
Field pH	5.35		SU	1.0	Field Sampling	280-86394	09/14/2011 1219
Field Conductivity	116		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1219
Field Temperature	18.5		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1219
Field Turbidity	0.5		NTU	1.0	Field Sampling	280-86394	09/14/2011 1219
Field Dissolved Oxygen	3.2		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1219
Field EH/ORP	116		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1219

Field Service / Mobile Lab

Client Sample ID: **3406-MW11**

Lab Sample ID: 280-20346-12

Client Matrix: Water

Date Sampled: 09/14/2011 1134

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	776.80		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1134
Depth to water	30.16		ft	1.0	Field Sampling	280-86394	09/14/2011 1134
Groundwater Elevation	746.64		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1134
Field pH	5.47		SU	1.0	Field Sampling	280-86394	09/14/2011 1134
Field Conductivity	158		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1134
Field Temperature	16.1		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1134
Field Turbidity	5.1		NTU	1.0	Field Sampling	280-86394	09/14/2011 1134
Field Dissolved Oxygen	1.2		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1134
Field EH/ORP	140.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1134

Field Service / Mobile Lab

Client Sample ID: **3406-MW11D**

Lab Sample ID: 280-20346-13

Client Matrix: Water

Date Sampled: 09/14/2011 1208

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	776.36		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1208
Depth to water	30.10		ft	1.0	Field Sampling	280-86394	09/14/2011 1208
Groundwater Elevation	746.26		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 1208
Field pH	6.27		SU	1.0	Field Sampling	280-86394	09/14/2011 1208
Field Conductivity	72		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 1208
Field Temperature	15.2		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 1208
Field Turbidity	16.9		NTU	1.0	Field Sampling	280-86394	09/14/2011 1208
Field Dissolved Oxygen	3.7		mg/L	1.0	Field Sampling	280-86394	09/14/2011 1208
Field EH/ORP	125.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 1208

Field Service / Mobile Lab

Client Sample ID: **3406-MW12**

Lab Sample ID: 280-20346-14

Client Matrix: Water

Date Sampled: 09/14/2011 0803

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	751.48		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0803
Depth to water	7.13		ft	1.0	Field Sampling	280-86394	09/14/2011 0803
Groundwater Elevation	744.35		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0803
Field pH	5.91		SU	1.0	Field Sampling	280-86394	09/14/2011 0803
Field Conductivity	140		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0803
Field Temperature	16.4		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0803
Field Turbidity	7.8		NTU	1.0	Field Sampling	280-86394	09/14/2011 0803
Field Dissolved Oxygen	1.1		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0803
Field EH/ORP	126.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0803

Field Service / Mobile Lab

Client Sample ID: **3406-MW12D**

Lab Sample ID: 280-20346-15

Client Matrix: Water

Date Sampled: 09/14/2011 0732

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Well Elevation	751.48		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0732
Depth to water	6.87		ft	1.0	Field Sampling	280-86394	09/14/2011 0732
Groundwater Elevation	744.61		ft/msl	1.0	Field Sampling	280-86394	09/14/2011 0732
Field pH	6.40		SU	1.0	Field Sampling	280-86394	09/14/2011 0732
Field Conductivity	236		umhos/cm	1.0	Field Sampling	280-86394	09/14/2011 0732
Field Temperature	15.1		Degrees C	1.0	Field Sampling	280-86394	09/14/2011 0732
Field Turbidity	1.5		NTU	1.0	Field Sampling	280-86394	09/14/2011 0732
Field Dissolved Oxygen	0.8		mg/L	1.0	Field Sampling	280-86394	09/14/2011 0732
Field EH/ORP	129.0		millivolts	1.0	Field Sampling	280-86394	09/14/2011 0732

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-20299-1

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.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	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	Duplicate RPD exceeds the control limit
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	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: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-87941					
LCS 280-87941/4	Lab Control Sample	T	Water	8260B	
MB 280-87941/5	Method Blank	T	Water	8260B	
280-20299-1	3406-MW09R	T	Water	8260B	
280-20299-2TB	TRIP BLANK	T	Water	8260B	
280-20309-D-1 MS	Matrix Spike	T	Water	8260B	
280-20309-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-20346-1FB	3406-01FB	T	Water	8260B	
280-20346-2	3406-MW01	T	Water	8260B	
280-20346-2MS	Matrix Spike	T	Water	8260B	
280-20346-2MSD	Matrix Spike Duplicate	T	Water	8260B	
280-20346-3	3406-MW02	T	Water	8260B	
280-20346-4	3406-MW03	T	Water	8260B	
280-20346-5	3406-MW04	T	Water	8260B	
280-20346-6	3406-MW04D	T	Water	8260B	
280-20346-7	3406-MW05	T	Water	8260B	
280-20346-8	3406-MW06	T	Water	8260B	
280-20346-9	3406-MW07	T	Water	8260B	
280-20346-10	3406-MW08	T	Water	8260B	
280-20346-11	3406-MW10	T	Water	8260B	
Analysis Batch:280-88353					
LCS 280-88353/5	Lab Control Sample	T	Water	8260B	
MB 280-88353/10	Method Blank	T	Water	8260B	
280-20346-12	3406-MW11	T	Water	8260B	
280-20346-13	3406-MW11D	T	Water	8260B	
280-20346-13MS	Matrix Spike	T	Water	8260B	
280-20346-13MSD	Matrix Spike Duplicate	T	Water	8260B	
280-20346-14	3406-MW12	T	Water	8260B	
280-20346-15	3406-MW12D	T	Water	8260B	
280-20346-16TB	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-86403					
LCS 280-86403/2-A	Lab Control Sample	T	Water	3510C	
LCSD 280-86403/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 280-86403/1-A	Method Blank	T	Water	3510C	
280-20299-1	3406-MW09R	T	Water	3510C	
Analysis Batch:280-87115					
LCS 280-86403/2-A	Lab Control Sample	T	Water	8082A	280-86403
LCSD 280-86403/3-A	Lab Control Sample Duplicate	T	Water	8082A	280-86403
MB 280-86403/1-A	Method Blank	T	Water	8082A	280-86403
280-20299-1	3406-MW09R	T	Water	8082A	280-86403

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-86417					
LCS 280-86417/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86417/1-A	Method Blank	R	Water	3005A	
280-20298-H-3-E MS	Matrix Spike	R	Water	3005A	
280-20298-H-3-F MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20299-1	3406-MW09R	R	Water	3005A	
Prep Batch: 280-86419					
LCS 280-86419/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86419/1-A	Method Blank	R	Water	3005A	
280-20346-1FB	3406-01FB	R	Water	3005A	
280-20346-2	3406-MW01	R	Water	3005A	
280-20346-2MS	Matrix Spike	R	Water	3005A	
280-20346-2MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20346-3	3406-MW02	R	Water	3005A	
280-20346-3MS	Matrix Spike	R	Water	3005A	
280-20346-3MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20346-4	3406-MW03	R	Water	3005A	
280-20346-5	3406-MW04	R	Water	3005A	
280-20346-6	3406-MW04D	R	Water	3005A	
280-20346-7	3406-MW05	R	Water	3005A	
280-20346-8	3406-MW06	R	Water	3005A	
280-20346-9	3406-MW07	R	Water	3005A	
280-20346-10	3406-MW08	R	Water	3005A	
280-20346-11	3406-MW10	R	Water	3005A	
280-20346-12	3406-MW11	R	Water	3005A	
280-20346-13	3406-MW11D	R	Water	3005A	
280-20346-14	3406-MW12	R	Water	3005A	
280-20346-15	3406-MW12D	R	Water	3005A	
280-20346-18	3406-MW09R	R	Water	3005A	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-86421					
LCS 280-86421/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86421/1-A	Method Blank	R	Water	3005A	
280-20346-1FB	3406-01FB	R	Water	3005A	
280-20346-2	3406-MW01	R	Water	3005A	
280-20346-2MS	Matrix Spike	R	Water	3005A	
280-20346-2MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20346-3	3406-MW02	R	Water	3005A	
280-20346-3MS	Matrix Spike	R	Water	3005A	
280-20346-3MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20346-4	3406-MW03	R	Water	3005A	
280-20346-5	3406-MW04	R	Water	3005A	
280-20346-6	3406-MW04D	R	Water	3005A	
280-20346-7	3406-MW05	R	Water	3005A	
280-20346-8	3406-MW06	R	Water	3005A	
280-20346-9	3406-MW07	R	Water	3005A	
280-20346-10	3406-MW08	R	Water	3005A	
280-20346-11	3406-MW10	R	Water	3005A	
280-20346-12	3406-MW11	R	Water	3005A	
280-20346-13	3406-MW11D	R	Water	3005A	
280-20346-14	3406-MW12	R	Water	3005A	
280-20346-15	3406-MW12D	R	Water	3005A	
280-20346-18	3406-MW09R	R	Water	3005A	
Prep Batch: 280-86442					
LCS 280-86442/2-A	Lab Control Sample	T	Water	7470A	
LCSD 280-86442/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 280-86442/1-A	Method Blank	T	Water	7470A	
280-20299-1	3406-MW09R	T	Water	7470A	
280-20338-A-1-B MS	Matrix Spike	T	Water	7470A	
280-20338-A-1-C MSD	Matrix Spike Duplicate	T	Water	7470A	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-87086					
LCS 280-86419/2-A	Lab Control Sample	R	Water	6020A	280-86419
MB 280-86419/1-A	Method Blank	R	Water	6020A	280-86419
280-20346-1FB	3406-01FB	R	Water	6020A	280-86419
280-20346-2	3406-MW01	R	Water	6020A	280-86419
280-20346-2MS	Matrix Spike	R	Water	6020A	280-86419
280-20346-2MSD	Matrix Spike Duplicate	R	Water	6020A	280-86419
280-20346-3	3406-MW02	R	Water	6020A	280-86419
280-20346-3MS	Matrix Spike	R	Water	6020A	280-86419
280-20346-3MSD	Matrix Spike Duplicate	R	Water	6020A	280-86419
280-20346-4	3406-MW03	R	Water	6020A	280-86419
280-20346-5	3406-MW04	R	Water	6020A	280-86419
280-20346-6	3406-MW04D	R	Water	6020A	280-86419
280-20346-7	3406-MW05	R	Water	6020A	280-86419
280-20346-8	3406-MW06	R	Water	6020A	280-86419
280-20346-9	3406-MW07	R	Water	6020A	280-86419
280-20346-10	3406-MW08	R	Water	6020A	280-86419
280-20346-11	3406-MW10	R	Water	6020A	280-86419
280-20346-12	3406-MW11	R	Water	6020A	280-86419
280-20346-13	3406-MW11D	R	Water	6020A	280-86419
280-20346-14	3406-MW12	R	Water	6020A	280-86419
280-20346-15	3406-MW12D	R	Water	6020A	280-86419
280-20346-18	3406-MW09R	R	Water	6020A	280-86419

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-87242					
LCS 280-86421/2-A	Lab Control Sample	R	Water	6010C	280-86421
MB 280-86421/1-A	Method Blank	R	Water	6010C	280-86421
280-20346-1FB	3406-01FB	R	Water	6010C	280-86421
280-20346-2	3406-MW01	R	Water	6010C	280-86421
280-20346-2MS	Matrix Spike	R	Water	6010C	280-86421
280-20346-2MSD	Matrix Spike Duplicate	R	Water	6010C	280-86421
280-20346-3	3406-MW02	R	Water	6010C	280-86421
280-20346-3MS	Matrix Spike	R	Water	6010C	280-86421
280-20346-3MSD	Matrix Spike Duplicate	R	Water	6010C	280-86421
280-20346-4	3406-MW03	R	Water	6010C	280-86421
280-20346-5	3406-MW04	R	Water	6010C	280-86421
280-20346-6	3406-MW04D	R	Water	6010C	280-86421
280-20346-7	3406-MW05	R	Water	6010C	280-86421
280-20346-8	3406-MW06	R	Water	6010C	280-86421
280-20346-9	3406-MW07	R	Water	6010C	280-86421
280-20346-10	3406-MW08	R	Water	6010C	280-86421
280-20346-11	3406-MW10	R	Water	6010C	280-86421
280-20346-12	3406-MW11	R	Water	6010C	280-86421
280-20346-13	3406-MW11D	R	Water	6010C	280-86421
280-20346-14	3406-MW12	R	Water	6010C	280-86421
280-20346-15	3406-MW12D	R	Water	6010C	280-86421
280-20346-18	3406-MW09R	R	Water	6010C	280-86421
Analysis Batch:280-87246					
LCS 280-86417/2-A	Lab Control Sample	R	Water	6010C	280-86417
MB 280-86417/1-A	Method Blank	R	Water	6010C	280-86417
280-20298-H-3-E MS	Matrix Spike	R	Water	6010C	280-86417
280-20298-H-3-F MSD	Matrix Spike Duplicate	R	Water	6010C	280-86417
280-20299-1	3406-MW09R	R	Water	6010C	280-86417
Analysis Batch:280-87308					
LCS 280-86442/2-A	Lab Control Sample	T	Water	7470A	280-86442
LCSD 280-86442/3-A	Lab Control Sample Duplicate	T	Water	7470A	280-86442
MB 280-86442/1-A	Method Blank	T	Water	7470A	280-86442
280-20299-1	3406-MW09R	T	Water	7470A	280-86442
280-20338-A-1-B MS	Matrix Spike	T	Water	7470A	280-86442
280-20338-A-1-C MSD	Matrix Spike Duplicate	T	Water	7470A	280-86442

Report Basis

R = Total Recoverable

T = Total

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Field Service / Mobile Lab					
Analysis Batch:280-86241					
280-20299-1	3406-MW09R	T	Water	Field Sampling	
Analysis Batch:280-86394					
280-20346-1FB	3406-01FB	T	Water	Field Sampling	
280-20346-2	3406-MW01	T	Water	Field Sampling	
280-20346-3	3406-MW02	T	Water	Field Sampling	
280-20346-4	3406-MW03	T	Water	Field Sampling	
280-20346-5	3406-MW04	T	Water	Field Sampling	
280-20346-6	3406-MW04D	T	Water	Field Sampling	
280-20346-7	3406-MW05	T	Water	Field Sampling	
280-20346-8	3406-MW06	T	Water	Field Sampling	
280-20346-9	3406-MW07	T	Water	Field Sampling	
280-20346-10	3406-MW08	T	Water	Field Sampling	
280-20346-11	3406-MW10	T	Water	Field Sampling	
280-20346-12	3406-MW11	T	Water	Field Sampling	
280-20346-13	3406-MW11D	T	Water	Field Sampling	
280-20346-14	3406-MW12	T	Water	Field Sampling	
280-20346-15	3406-MW12D	T	Water	Field Sampling	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 280-86913					
HLCS 280-86913/1-A	High Level Control Sample	T	Water	Distill/CN	
LCS 280-86913/3-A	Lab Control Sample	T	Water	Distill/CN	
LCSD 280-86913/4-A	Lab Control Sample Duplicate	T	Water	Distill/CN	
LLCS 280-86913/2-A	Low Level Control Sample	T	Water	Distill/CN	
MB 280-86913/5-A	Method Blank	T	Water	Distill/CN	
280-20287-G-1-B MS	Matrix Spike	T	Water	Distill/CN	
280-20287-G-1-C MSD	Matrix Spike Duplicate	T	Water	Distill/CN	
280-20299-1	3406-MW09R	T	Water	Distill/CN	
Analysis Batch:280-86920					
LCS 280-86920/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-86920/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-86920/1	Method Blank	T	Water	SM 2540C	
280-20287-D-4 DU	Duplicate	T	Water	SM 2540C	
280-20299-1	3406-MW09R	T	Water	SM 2540C	
Analysis Batch:280-86951					
LCS 280-86951/4	Lab Control Sample	T	Water	D516-90, 02	
LCSD 280-86951/5	Lab Control Sample Duplicate	T	Water	D516-90, 02	
MB 280-86951/6	Method Blank	T	Water	D516-90, 02	
280-20299-1	3406-MW09R	T	Water	D516-90, 02	
280-20299-1MS	Matrix Spike	T	Water	D516-90, 02	
280-20299-1MSD	Matrix Spike Duplicate	T	Water	D516-90, 02	
Analysis Batch:280-86983					
LCS 280-86983/2	Lab Control Sample	T	Water	SM 4500 S2 F	
LCSD 280-86983/3	Lab Control Sample Duplicate	T	Water	SM 4500 S2 F	
MB 280-86983/1	Method Blank	T	Water	SM 4500 S2 F	
280-20299-1	3406-MW09R	T	Water	SM 4500 S2 F	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-86988					
LCS 280-86988/55	Lab Control Sample	T	Water	350.1	
LCSD 280-86988/56	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-86988/54	Method Blank	T	Water	350.1	
280-20346-2	3406-MW01	T	Water	350.1	
280-20346-2MS	Matrix Spike	T	Water	350.1	
280-20346-2MSD	Matrix Spike Duplicate	T	Water	350.1	
280-20346-3	3406-MW02	T	Water	350.1	
280-20346-4	3406-MW03	T	Water	350.1	
280-20346-5	3406-MW04	T	Water	350.1	
280-20346-5MS	Matrix Spike	T	Water	350.1	
280-20346-5MSD	Matrix Spike Duplicate	T	Water	350.1	
280-20346-6	3406-MW04D	T	Water	350.1	
280-20346-7	3406-MW05	T	Water	350.1	
280-20346-8	3406-MW06	T	Water	350.1	
280-20346-9	3406-MW07	T	Water	350.1	
280-20346-10	3406-MW08	T	Water	350.1	
280-20346-11	3406-MW10	T	Water	350.1	
280-20346-12	3406-MW11	T	Water	350.1	
280-20346-13	3406-MW11D	T	Water	350.1	
280-20346-14	3406-MW12	T	Water	350.1	
280-20346-15	3406-MW12D	T	Water	350.1	
Analysis Batch:280-87041					
HLCS 280-86913/1-A	High Level Control Sample	T	Water	335.4	280-86913
LCS 280-86913/3-A	Lab Control Sample	T	Water	335.4	280-86913
LCSD 280-86913/4-A	Lab Control Sample Duplicate	T	Water	335.4	280-86913
LLCS 280-86913/2-A	Low Level Control Sample	T	Water	335.4	280-86913
MB 280-86913/5-A	Method Blank	T	Water	335.4	280-86913
280-20287-G-1-B MS	Matrix Spike	T	Water	335.4	280-86913
280-20287-G-1-C MSD	Matrix Spike Duplicate	T	Water	335.4	280-86913
280-20299-1	3406-MW09R	T	Water	335.4	280-86913
Analysis Batch:280-87055					
LCS 280-87055/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-87055/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-87055/33	Method Blank	T	Water	SM 2320B	
280-20286-C-2 DU	Duplicate	T	Water	SM 2320B	
280-20299-1	3406-MW09R	T	Water	SM 2320B	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-87113					
LCS 280-87113/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-87113/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-87113/1	Method Blank	T	Water	SM 2540C	
280-20346-2	3406-MW01	T	Water	SM 2540C	
280-20346-3	3406-MW02	T	Water	SM 2540C	
280-20346-3DU	Duplicate	T	Water	SM 2540C	
280-20346-4	3406-MW03	T	Water	SM 2540C	
280-20346-5	3406-MW04	T	Water	SM 2540C	
280-20346-6	3406-MW04D	T	Water	SM 2540C	
280-20346-7	3406-MW05	T	Water	SM 2540C	
280-20346-8	3406-MW06	T	Water	SM 2540C	
280-20346-9	3406-MW07	T	Water	SM 2540C	
280-20346-10	3406-MW08	T	Water	SM 2540C	
280-20346-11	3406-MW10	T	Water	SM 2540C	
Analysis Batch:280-87118					
LCS 280-87118/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-87118/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-87118/1	Method Blank	T	Water	SM 2540C	
280-20346-12	3406-MW11	T	Water	SM 2540C	
280-20346-12DU	Duplicate	T	Water	SM 2540C	
280-20346-13	3406-MW11D	T	Water	SM 2540C	
280-20346-14	3406-MW12	T	Water	SM 2540C	
280-20346-15	3406-MW12D	T	Water	SM 2540C	
Analysis Batch:280-87135					
LCS 280-87135/3	Lab Control Sample	T	Water	SM 5310B	
LCSD 280-87135/4	Lab Control Sample Duplicate	T	Water	SM 5310B	
MB 280-87135/5	Method Blank	T	Water	SM 5310B	
280-20299-1	3406-MW09R	T	Water	SM 5310B	
280-20299-1DU	Duplicate	T	Water	SM 5310B	
280-20299-1MS	Matrix Spike	T	Water	SM 5310B	
280-20299-1MSD	Matrix Spike Duplicate	T	Water	SM 5310B	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-87250					
LCS 280-87250/4	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-87250/5	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-87250/6	Method Blank	T	Water	SM 2320B	
280-20346-2	3406-MW01	T	Water	SM 2320B	
280-20346-2DU	Duplicate	T	Water	SM 2320B	
280-20346-3	3406-MW02	T	Water	SM 2320B	
280-20346-4	3406-MW03	T	Water	SM 2320B	
280-20346-5	3406-MW04	T	Water	SM 2320B	
280-20346-6	3406-MW04D	T	Water	SM 2320B	
280-20346-7	3406-MW05	T	Water	SM 2320B	
280-20346-8	3406-MW06	T	Water	SM 2320B	
280-20346-9	3406-MW07	T	Water	SM 2320B	
280-20346-10	3406-MW08	T	Water	SM 2320B	
280-20346-11	3406-MW10	T	Water	SM 2320B	
280-20346-12	3406-MW11	T	Water	SM 2320B	
280-20346-13	3406-MW11D	T	Water	SM 2320B	
280-20346-14	3406-MW12	T	Water	SM 2320B	
280-20346-15	3406-MW12D	T	Water	SM 2320B	
Analysis Batch:280-87253					
LCS 280-87253/197	Lab Control Sample	T	Water	350.1	
LCSD 280-87253/198	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-87253/196	Method Blank	T	Water	350.1	
280-20299-1	3406-MW09R	T	Water	350.1	
280-20299-1MS	Matrix Spike	T	Water	350.1	
280-20299-1MSD	Matrix Spike Duplicate	T	Water	350.1	
Analysis Batch:280-87361					
LCS 280-87361/4	Lab Control Sample	T	Water	300.0	
LCSD 280-87361/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-87361/6	Method Blank	T	Water	300.0	
280-20299-1	3406-MW09R	T	Water	300.0	
280-20299-1DU	Duplicate	T	Water	300.0	
280-20299-1MS	Matrix Spike	T	Water	300.0	
280-20299-1MSD	Matrix Spike Duplicate	T	Water	300.0	

Client: Waste Management

Job Number: 280-20299-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-87524					
LCS 280-87524/34	Lab Control Sample	T	Water	300.0	
LCSD 280-87524/35	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-87524/36	Method Blank	T	Water	300.0	
280-20346-2	3406-MW01	T	Water	300.0	
280-20346-2DU	Duplicate	T	Water	300.0	
280-20346-2MS	Matrix Spike	T	Water	300.0	
280-20346-2MSD	Matrix Spike Duplicate	T	Water	300.0	
280-20346-3	3406-MW02	T	Water	300.0	
280-20346-4	3406-MW03	T	Water	300.0	
280-20346-5	3406-MW04	T	Water	300.0	
280-20346-6	3406-MW04D	T	Water	300.0	
280-20346-7	3406-MW05	T	Water	300.0	
280-20346-8	3406-MW06	T	Water	300.0	
280-20346-9	3406-MW07	T	Water	300.0	
280-20346-10	3406-MW08	T	Water	300.0	
280-20346-11	3406-MW10	T	Water	300.0	
280-20346-12	3406-MW11	T	Water	300.0	
280-20346-13	3406-MW11D	T	Water	300.0	
280-20346-14	3406-MW12	T	Water	300.0	
280-20346-15	3406-MW12D	T	Water	300.0	
280-20592-A-2 DU	Duplicate		Water	300.0	
280-20592-A-2 MS	Matrix Spike		Water	300.0	
280-20592-A-2 MSD	Matrix Spike Duplicate		Water	300.0	
Analysis Batch:280-87774					
MB 280-87774/1	Method Blank	T	Water	Nitrate by calc	
280-20299-1	3406-MW09R	T	Water	Nitrate by calc	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20299-1

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
280-20299-1	3406-MW09R	93	106	99	87
280-20299-2	TRIP BLANK	88	105	104	85
280-20346-1	3406-01FB	89	106	102	85
280-20346-2	3406-MW01	90	105	103	84
280-20346-3	3406-MW02	91	106	99	87
280-20346-4	3406-MW03	89	103	105	86
280-20346-5	3406-MW04	90	110	105	87
280-20346-6	3406-MW04D	94	107	106	87
280-20346-7	3406-MW05	90	108	105	87
280-20346-8	3406-MW06	89	110	103	87
280-20346-9	3406-MW07	90	107	108	86
280-20346-10	3406-MW08	98	118	114	96
280-20346-11	3406-MW10	97	120	113	92
280-20346-12	3406-MW11	107	102	101	99
280-20346-13	3406-MW11D	106	101	97	97
280-20346-14	3406-MW12	109	101	99	101
280-20346-15	3406-MW12D	111	99	98	102
280-20346-16	TRIP BLANK	112	103	100	100
MB 280-87941/5		93	103	102	89
MB 280-88353/10		105	103	98	98
LCS 280-87941/4		90	104	102	86
LCS 280-88353/5		108	103	92	100
280-20346-2 MS	3406-MW01 MS	94	106	102	86
280-20346-13 MS	3406-MW11D MS	108	101	91	104
280-20309-D-1 MS		94	104	102	87
280-20346-2 MSD	3406-MW01 MSD	97	105	104	87
280-20346-13 MSD	3406-MW11D MSD	107	102	93	103
280-20309-D-1 MSD		106	105	108	89

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: 280-20299-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
280-20299-1	3406-MW09R	73	75
MB 280-86403/1-A		65	88
LCS 280-86403/2-A		74	86
LCSD 280-86403/3-A		68	86

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-120
DCB = DCB Decachlorobiphenyl	30-136

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.9	100
Acetonitrile	ND		9.6	30
Acrolein	ND		2.8	20
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
Chloroprene	ND		0.21	1.0
Dibromochloromethane	ND		0.17	3.0
Chloroethane	ND		0.41	10
Chloroform	ND		0.16	5.0
Allyl chloride	ND		0.17	2.0
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
Dichlorodifluoromethane	ND		0.31	2.0
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
1,3-Dichloropropane	ND		0.22	1.0
2,2-Dichloropropane	ND		0.18	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,1-Dichloropropene	ND		0.19	1.0
Ethylbenzene	ND		0.16	1.0
Ethyl methacrylate	ND		0.86	3.0
2-Hexanone	ND		1.7	50
Iodomethane	ND		0.23	10
Isobutyl alcohol	ND		37	110
Methacrylonitrile	ND		1.6	10
Methylene Chloride	ND		0.32	1.0
Chloromethane	ND		0.30	1.0
Methyl methacrylate	ND		1.1	4.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		2.0	100
Propionitrile	ND		3.7	20
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
Toluene	ND		0.17	1.0
1,2,4-Trichlorobenzene	ND		0.21	10
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
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	70 - 127
Toluene-d8 (Surr)	103	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	89	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Lab Control Sample - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-87941/4	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0212.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1928				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.40	88	77 - 120	
Bromodichloromethane	5.00	4.32	86	78 - 120	
Carbon tetrachloride	5.00	4.84	97	80 - 120	
Chlorobenzene	5.00	4.64	93	78 - 120	
Chloroform	5.00	4.44	89	78 - 120	J
1,1-Dichloroethane	5.00	4.46	89	77 - 120	J
trans-1,2-Dichloroethene	5.00	4.60	92	80 - 120	J
1,1-Dichloroethene	5.00	4.76	95	68 - 133	J
1,2-Dichloropropane	5.00	4.31	86	76 - 120	
1,3-Dichlorobenzene	5.00	4.64	93	75 - 120	
Ethylbenzene	5.00	4.99	100	78 - 120	
Methylene Chloride	5.00	4.86	97	60 - 134	
Tetrachloroethene	5.00	4.89	98	77 - 120	
Toluene	5.00	4.42	88	73 - 120	
1,2,4-Trichlorobenzene	5.00	4.43	89	73 - 121	J
1,1,1-Trichloroethane	5.00	4.82	96	78 - 120	
Trichloroethene	5.00	4.53	91	78 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	86	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-D-1 MS	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0217.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2119			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2119				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20309-D-1 MSD	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0218.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2141			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2141				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	90	94	77 - 120	5	20		
Bromodichloromethane	87	91	78 - 120	6	20		
Carbon tetrachloride	95	98	80 - 120	2	21		
Chlorobenzene	94	98	78 - 120	4	20		
Chloroform	88	94	78 - 120	6	20	J	J
1,1-Dichloroethane	88	94	77 - 120	7	21	J	J
trans-1,2-Dichloroethene	93	96	80 - 120	4	24	J	J
1,1-Dichloroethene	97	100	68 - 133	4	20	J	
1,2-Dichloropropane	86	91	76 - 120	6	20		
1,3-Dichlorobenzene	92	101	75 - 120	9	20		
Ethylbenzene	94	98	78 - 120	4	26		
Methylene Chloride	82	93	60 - 134	12	20		
Tetrachloroethene	89	100	77 - 120	11	20		
Toluene	89	93	73 - 120	4	20		
1,2,4-Trichlorobenzene	82	92	73 - 121	12	25	J	J
1,1,1-Trichloroethane	95	96	78 - 120	2	20		
Trichloroethene	92	96	78 - 122	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	106	70 - 127
Toluene-d8 (Surr)	104	105	80 - 125
4-Bromofluorobenzene (Surr)	102	108	78 - 120
Dibromofluoromethane (Surr)	87	89	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20346-2	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0227.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0059			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0059				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-2	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0228.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 0121			Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 0121				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	84	96	77 - 120	14	20		
Bromodichloromethane	82	93	78 - 120	13	20		
Carbon tetrachloride	86	97	80 - 120	12	21		
Chlorobenzene	84	98	78 - 120	15	20		
Chloroform	82	94	78 - 120	13	20	J	J
1,1-Dichloroethane	82	93	77 - 120	13	21	J	J
trans-1,2-Dichloroethene	84	93	80 - 120	11	24	J	J
1,1-Dichloroethene	89	99	68 - 133	12	20	J	J
1,2-Dichloropropane	80	93	76 - 120	15	20		
1,3-Dichlorobenzene	86	99	75 - 120	14	20		
Ethylbenzene	86	97	78 - 120	12	26		
Methylene Chloride	80	89	60 - 134	11	20		
Tetrachloroethene	84	94	77 - 120	11	20		
Toluene	84	92	73 - 120	10	20		
1,1,1-Trichloroethane	85	91	78 - 120	7	20		
Trichloroethene	84	95	78 - 122	12	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	97	70 - 127
Toluene-d8 (Surr)	106	105	80 - 125
4-Bromofluorobenzene (Surr)	102	104	78 - 120
Dibromofluoromethane (Surr)	86	87	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-D-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/26/2011 2119		
Prep Date:	09/26/2011 2119		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20309-D-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/26/2011 2141
Prep Date:	09/26/2011 2141
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	4.51		4.72	
Bromodichloromethane	ND	5.00	5.00	4.33		4.57	
Carbon tetrachloride	ND	5.00	5.00	4.76		4.88	
Chlorobenzene	ND	5.00	5.00	4.69		4.89	
Chloroform	ND	5.00	5.00	4.42	J	4.71	J
1,1-Dichloroethane	ND	5.00	5.00	4.41	J	4.71	J
trans-1,2-Dichloroethene	ND	5.00	5.00	4.65	J	4.82	J
1,1-Dichloroethene	ND	5.00	5.00	4.84	J	5.02	
1,2-Dichloropropane	ND	5.00	5.00	4.29		4.54	
1,3-Dichlorobenzene	ND	5.00	5.00	4.59		5.03	
Ethylbenzene	ND	5.00	5.00	4.68		4.89	
Methylene Chloride	ND	5.00	5.00	4.12		4.66	
Tetrachloroethene	ND	5.00	5.00	4.45		4.98	
Toluene	ND	5.00	5.00	4.45		4.66	
1,2,4-Trichlorobenzene	ND	5.00	5.00	4.08	J	4.59	J
1,1,1-Trichloroethane	ND	5.00	5.00	4.73		4.82	
Trichloroethene	ND	5.00	5.00	4.58		4.78	

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20346-2	Units: ug/L		MSD Lab Sample ID:	280-20346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/27/2011 0059			Analysis Date:	09/27/2011 0121
Prep Date:	09/27/2011 0059			Prep Date:	09/27/2011 0121
Leach Date:	N/A			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	4.19		4.80	
Bromodichloromethane	ND	5.00	5.00	4.10		4.66	
Carbon tetrachloride	ND	5.00	5.00	4.28		4.85	
Chlorobenzene	ND	5.00	5.00	4.19		4.88	
Chloroform	ND	5.00	5.00	4.11	J	4.68	J
1,1-Dichloroethane	ND	5.00	5.00	4.11	J	4.67	J
trans-1,2-Dichloroethene	ND	5.00	5.00	4.20	J	4.67	J
1,1-Dichloroethene	ND	5.00	5.00	4.43	J	4.97	J
1,2-Dichloropropane	ND	5.00	5.00	3.99		4.64	
1,3-Dichlorobenzene	ND	5.00	5.00	4.29		4.93	
Ethylbenzene	ND	5.00	5.00	4.29		4.84	
Methylene Chloride	ND	5.00	5.00	3.98		4.47	
Tetrachloroethene	ND	5.00	5.00	4.21		4.70	
Toluene	ND	5.00	5.00	4.18		4.61	
1,1,1-Trichloroethane	ND	5.00	5.00	4.25		4.56	
Trichloroethene	ND	5.00	5.00	4.20		4.73	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-88353

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-88353/10	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R0678.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 2350	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 2350				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	2.95	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
1,3-Dichlorobenzene	ND		0.13	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	0.896	J	0.32	1.0
Chloromethane	ND		0.30	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	100
2-Butanone (MEK)	ND		2.0	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
Toluene	ND		0.17	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

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-88353

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-88353/10	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R0678.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 2350	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 2350				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Vinyl chloride	ND		0.10	1.0
Xylenes, Total	ND		0.19	5.0
1,2-Dibromoethane	ND		0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 127
Toluene-d8 (Surr)	103	80 - 125
4-Bromofluorobenzene (Surr)	98	78 - 120
Dibromofluoromethane (Surr)	98	77 - 120

Lab Control Sample - Batch: 280-88353

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-88353/5	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R0672.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2011 2145	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2011 2145				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.29	106	77 - 120	
Bromodichloromethane	5.00	5.64	113	78 - 120	
Carbon tetrachloride	5.00	5.60	112	80 - 120	
Chlorobenzene	5.00	5.25	105	78 - 120	
Chloroform	5.00	5.50	110	78 - 120	
1,1-Dichloroethane	5.00	5.61	112	77 - 120	
trans-1,2-Dichloroethene	5.00	5.13	103	80 - 120	
1,1-Dichloroethene	5.00	5.34	107	68 - 133	
1,2-Dichloropropane	5.00	5.41	108	76 - 120	
1,3-Dichlorobenzene	5.00	4.89	98	75 - 120	
Ethylbenzene	5.00	5.01	100	78 - 120	
Methylene Chloride	5.00	6.13	123	60 - 134	
Tetrachloroethene	5.00	5.44	109	77 - 120	
Toluene	5.00	5.52	110	73 - 120	
1,1,1-Trichloroethane	5.00	5.47	109	78 - 120	
Trichloroethene	5.00	5.38	108	78 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 127
Toluene-d8 (Surr)	103	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	100	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-88353

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20346-13	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R0681.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0052			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0052				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-13	Analysis Batch:	280-88353	Instrument ID:	MSV_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R0682.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2011 0113			Final Weight/Volume:	20 mL
Prep Date:	09/28/2011 0113				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	110	105	77 - 120	5	20		
Bromodichloromethane	117	112	78 - 120	4	20		
Carbon tetrachloride	127	122	80 - 120	4	21	F	F
Chlorobenzene	106	102	78 - 120	3	20		
Chloroform	120	113	78 - 120	6	20		
1,1-Dichloroethane	122	115	77 - 120	6	21	F	
trans-1,2-Dichloroethene	112	107	80 - 120	4	24		
1,1-Dichloroethene	118	113	68 - 133	5	20		
1,2-Dichloropropane	111	109	76 - 120	2	20		
1,3-Dichlorobenzene	100	94	75 - 120	6	20		
Ethylbenzene	105	102	78 - 120	3	26		
Methylene Chloride	114	111	60 - 134	2	20		
Tetrachloroethene	108	105	77 - 120	3	20		
Toluene	116	112	73 - 120	3	20		
1,1,1-Trichloroethane	123	116	78 - 120	6	20	F	
Trichloroethene	109	106	78 - 122	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	107	70 - 127
Toluene-d8 (Surr)	101	102	80 - 125
4-Bromofluorobenzene (Surr)	91	93	78 - 120
Dibromofluoromethane (Surr)	104	103	77 - 120

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-88353

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20346-13	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/28/2011 0052		
Prep Date:	09/28/2011 0052		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20346-13
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/28/2011 0113
Prep Date:	09/28/2011 0113
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	5.52		5.24	
Bromodichloromethane	ND		5.00	5.00	5.85		5.59	
Carbon tetrachloride	ND		5.00	5.00	6.33	F	6.09	F
Chlorobenzene	ND		5.00	5.00	5.29		5.12	
Chloroform	ND		5.00	5.00	6.01		5.64	
1,1-Dichloroethane	ND		5.00	5.00	6.08	F	5.75	
trans-1,2-Dichloroethene	ND		5.00	5.00	5.60		5.35	
1,1-Dichloroethene	ND		5.00	5.00	5.92		5.65	
1,2-Dichloropropane	ND		5.00	5.00	5.55		5.46	
1,3-Dichlorobenzene	ND		5.00	5.00	4.98		4.71	
Ethylbenzene	ND		5.00	5.00	5.23		5.08	
Methylene Chloride	0.83	J	5.00	5.00	6.53		6.39	
Tetrachloroethene	ND		5.00	5.00	5.42		5.25	
Toluene	ND		5.00	5.00	5.78		5.62	
1,1,1-Trichloroethane	ND		5.00	5.00	6.13	F	5.80	
Trichloroethene	ND		5.00	5.00	5.45		5.32	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86403

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 280-86403/1-A	Analysis Batch:	280-87115	Instrument ID:	GCS_P3
Client Matrix:	Water	Prep Batch:	280-86403	Lab File ID:	080B8001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/20/2011 1508	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	09/16/2011 1136			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1221	ND		0.21	2.0
Aroclor 1016	ND		0.12	2.0
Aroclor 1232	ND		0.17	2.0
Aroclor 1242	ND		0.10	2.0
Aroclor 1248	ND		0.092	2.0
Aroclor 1254	ND		0.11	2.0
Aroclor 1260	ND		0.16	2.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	65	25 - 120
DCB Decachlorobiphenyl	88	30 - 136

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86403

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-86403/2-A	Analysis Batch:	280-87115	Instrument ID:	GCS_P3
Client Matrix:	Water	Prep Batch:	280-86403	Lab File ID:	081B8101.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/20/2011 1529	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	09/16/2011 1136			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-86403/3-A	Analysis Batch:	280-87115	Instrument ID:	GCS_P3
Client Matrix:	Water	Prep Batch:	280-86403	Lab File ID:	082B8201.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	09/20/2011 1550	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	09/16/2011 1136			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	93	92	58 - 128	0	30	J	J
Aroclor 1260	94	94	69 - 140	0	30	J	J

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	74	68	25 - 120
DCB Decachlorobiphenyl	86	86	30 - 136

Client: Waste Management

Job Number: 280-20299-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86403

Method: 8082A
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-86403/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-86403/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1529			Analysis Date:	09/20/2011 1550
Prep Date:	09/16/2011 1136			Prep Date:	09/16/2011 1136
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Aroclor 1016	2.00	2.00	1.86	J	1.85	J
Aroclor 1260	2.00	2.00	1.88	J	1.88	J

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86417/1-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 2358	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Calcium	ND		35	200
Tin	ND		5.8	100
Iron	54.0	J	22	300
Magnesium	ND		11	200
Manganese	0.640	J	0.25	50
Potassium	ND		240	3000
Sodium	106	J	92	1000

Lab Control Sample - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86417/2-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0000	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	50000	51100	102	90 - 111	
Tin	2000	2080	104	85 - 113	
Iron	1000	1010	101	89 - 115	
Magnesium	50000	52900	106	90 - 113	
Manganese	500	519	104	90 - 110	
Potassium	50000	52200	104	89 - 114	
Sodium	50000	52500	105	90 - 115	

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0007			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-H-3-F MSD	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0009			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	94	110	48 - 153	11	20		
Tin	89	99	77 - 126	11	20		
Iron	108	149	52 - 155	13	20		
Magnesium	93	107	62 - 146	11	20		
Manganese	103	134	79 - 121	13	20		F
Potassium	105	136	76 - 132	13	20		F
Sodium	139	215	70 - 203	13	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/22/2011 0007		
Prep Date:	09/21/2011 0530		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20298-H-3-F MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/22/2011 0009
Prep Date:	09/21/2011 0530
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Calcium	23000	50000	50000	69600		77700	
Tin	ND	2000	2000	1780		1980	
Iron	1800	1000	1000	2890		3290	
Magnesium	13000	50000	50000	60200		67200	
Manganese	650	500	500	1170		1320	F
Potassium	61000	50000	50000	113000		128000	F
Sodium	200000	50000	50000	271000	4	309000	4

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86421/1-A	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1843	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
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: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86421/2-A	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1845	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	1830	91	90 - 112	
Beryllium	50.0	45.5	91	89 - 113	
Chromium	200	186	93	90 - 113	
Cobalt	500	459	92	89 - 111	
Lead	500	462	92	89 - 110	
Nickel	500	459	92	89 - 111	
Vanadium	500	461	92	90 - 111	
Silver	50.0	45.1	90	86 - 115	

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-2	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1854			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-2	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1856			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	86	84	85 - 120	2	20		F
Beryllium	87	84	79 - 121	3	20		
Chromium	89	87	73 - 135	3	20		
Cobalt	88	86	82 - 119	3	20		
Lead	89	86	89 - 121	3	20		F
Nickel	88	86	84 - 120	3	20		
Vanadium	90	87	85 - 120	3	20		
Silver	89	85	75 - 141	4	20		

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-3	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1912			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-3	Analysis Batch:	280-87242	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86421	Lab File ID:	25A1092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1914			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	92	85	85 - 120	8	20		
Beryllium	93	86	79 - 121	8	20		
Chromium	94	87	73 - 135	8	20		
Cobalt	93	86	82 - 119	8	20		
Lead	93	87	89 - 121	7	20		F
Nickel	93	86	84 - 120	8	20		
Vanadium	94	88	85 - 120	7	20		
Silver	93	87	75 - 141	7	20		

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-2	Units:	ug/L	MSD Lab Sample ID:	280-20346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1854			Analysis Date:	09/21/2011 1856
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
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	39	J	2000	2000	1760	1730	F
Beryllium	ND		50.0	50.0	43.4	42.2	
Chromium	1.2	J	200	200	180	175	
Cobalt	ND		500	500	441	428	
Lead	ND		500	500	445	432	F
Nickel	3.0	J	500	500	444	431	
Vanadium	ND		500	500	450	435	
Silver	ND		50.0	50.0	44.4	42.5	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86421

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-3	Units:	ug/L	MSD Lab Sample ID:	280-20346-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1912			Analysis Date:	09/21/2011 1914
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
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	130	2000	2000	1960	1820	
Beryllium	ND	50.0	50.0	46.3	42.9	
Chromium	ND	200	200	189	175	
Cobalt	ND	500	500	463	429	
Lead	ND	500	500	465	434	F
Nickel	ND	500	500	464	430	
Vanadium	ND	500	500	471	438	
Silver	ND	50.0	50.0	46.6	43.3	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86419/1-A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	092_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2324	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 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: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86419/2-A	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	093_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2327	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	42.6	106	85 - 115	
Arsenic	40.0	41.7	104	85 - 117	
Cadmium	40.0	42.5	106	85 - 115	
Copper	40.0	42.1	105	85 - 119	
Selenium	40.0	41.8	105	77 - 122	
Thallium	40.0	42.3	106	85 - 118	
Zinc	40.0	42.3	106	83 - 122	

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-2	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	099_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2345			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-2	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	100_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2348			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	106	106	85 - 115	0	20		
Arsenic	106	107	85 - 115	1	20		
Cadmium	105	105	85 - 115	0	20		
Copper	105	105	85 - 119	0	20		
Selenium	111	105	77 - 122	6	20		
Thallium	106	106	85 - 118	0	20		
Zinc	105	105	83 - 122	0	20		

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-3	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	105_MS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0002			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-3	Analysis Batch:	280-87086	Instrument ID:	MT_024
Client Matrix:	Water	Prep Batch:	280-86419	Lab File ID:	106_MSD.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0005			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1400				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	107	107	85 - 115	0	20		
Arsenic	107	107	85 - 115	0	20		
Cadmium	107	106	85 - 115	1	20		
Copper	105	104	85 - 119	1	20		
Selenium	107	105	77 - 122	2	20		
Thallium	106	105	85 - 118	1	20		
Zinc	105	104	83 - 122	1	20		

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-2	Units:	ug/L	MSD Lab Sample ID:	280-20346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 2345			Analysis Date:	09/20/2011 2348
Prep Date:	09/20/2011 1400			Prep Date:	09/20/2011 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	42.2	42.3
Arsenic	ND		40.0	40.0	42.2	42.8
Cadmium	0.097	J	40.0	40.0	42.2	42.3
Copper	3.2	J	40.0	40.0	45.0	45.1
Selenium	ND		40.0	40.0	44.4	41.9
Thallium	0.023	J	40.0	40.0	42.5	42.4
Zinc	8.9	J	40.0	40.0	50.9	50.7

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86419

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20346-3	Units:	ug/L	MSD Lab Sample ID:	280-20346-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 0002			Analysis Date:	09/21/2011 0005
Prep Date:	09/20/2011 1400			Prep Date:	09/20/2011 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	42.9	42.7
Arsenic	ND		40.0	40.0	42.8	42.8
Cadmium	ND		40.0	40.0	42.8	42.6
Copper	ND		40.0	40.0	42.0	41.7
Selenium	ND		40.0	40.0	43.0	42.1
Thallium	0.033	J	40.0	40.0	42.5	41.9
Zinc	3.1	J	40.0	40.0	45.2	44.9

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86442

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-86442/1-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1757	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.027	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-86442/2-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1759	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86442/3-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1806	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	95	95	88 - 111	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-86442/2-A	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2011 1759		
Prep Date:	09/21/2011 1050		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 280-86442/3-A
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2011 1806
Prep Date:	09/21/2011 1050
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.75	4.75

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-20338-A-1-B MS	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1811			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20338-A-1-C MSD	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1813			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	104	105	88 - 111	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-20338-A-1-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2011 1811		
Prep Date:	09/21/2011 1050		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20338-A-1-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2011 1813
Prep Date:	09/21/2011 1050
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	5.00	5.00	5.19	5.25

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-87361/6	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1301	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride	ND		0.25	0.30

Method Reporting Limit Check - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-87361/3	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1213	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	1.00	1.04	104	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87361/4	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1229	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87361/5	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1245	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	102	102	90 - 110	0	10		

Client: Waste Management

Job Number: 280-20299-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87361/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87361/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1229			Analysis Date:	09/21/2011 1245
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	25.0	25.0	25.5	25.4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	140.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 2034			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20299-1	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	141.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 2049			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	103	104	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Units:	mg/L	MSD Lab Sample ID:	280-20299-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 2034			Analysis Date:	09/21/2011 2049
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	11	25.0	25.0	36.7	37.0

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	280-20299-1	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	137.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1946	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	11	11.0	0.3	15	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87524

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-87524/36	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	145.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2009	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride	ND		0.25	0.30

Method Reporting Limit Check - Batch: 280-87524

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-87524/3	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 1023	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	1.00	1.06	106	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87524

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87524/34	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	143.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 1938	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87524/35	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	144.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 1954	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	101	97	90 - 110	4	10		

Client: Waste Management

Job Number: 280-20299-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87524

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87524/34	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87524/35
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 1938			Analysis Date:	09/22/2011 1954
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	25.0	25.0	25.3	24.3

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87524

Method: 300.0

MS Lab Sample ID:	280-20592-A-2 MS	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	149.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2113			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20592-A-2 MSD	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	152.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2200			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	104	105	80 - 120	0	20	E	E

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87524

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20346-2	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	155.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2247			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-2	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	156.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2303			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	105	107	80 - 120	1	20		

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87524

Method: 300.0

MS Lab Sample ID:	280-20592-A-2 MS	Units:	mg/L	MSD Lab Sample ID:	280-20592-A-2 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 2113			Analysis Date:	09/22/2011 2200
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloride	24	25.0	25.0	50.4	E	50.6	E

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87524

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20346-2	Units:	mg/L	MSD Lab Sample ID:	280-20346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 2247			Analysis Date:	09/22/2011 2303
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	5.3	25.0	25.0	31.5	32.0

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87524

Method: 300.0

Lab Sample ID:	280-20592-A-2 DU	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	148.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2057	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	24	24.4	0.08	15	

Duplicate - Batch: 280-87524

Method: 300.0
Preparation: N/A

Lab Sample ID:	280-20346-2	Analysis Batch:	280-87524	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	154.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 2232	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	5.3	5.31	0.2	15	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	MB 280-86913/5-A	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1702	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0020	0.010

Low Level Control Sample - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	LLCS 280-86913/2-A	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1650	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.106	106	90 - 110	

High Level Control Sample - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	HLCS 280-86913/1-A	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1838	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.429	107	90 - 110	

Client: Waste Management

Job Number: 280-20299-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

LCS Lab Sample ID:	LCS 280-86913/3-A	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1652	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86913/4-A	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1653	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	105	107	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

LCS Lab Sample ID:	LCS 280-86913/3-A	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2011 1652		
Prep Date:	09/20/2011 1032		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 280-86913/4-A
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2011 1653
Prep Date:	09/20/2011 1032
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Cyanide, Total	0.100	0.100	0.105	0.107

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

MS Lab Sample ID:	280-20287-G-1-B MS	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1731			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20287-G-1-C MSD	Analysis Batch:	280-87041	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-86913	Lab File ID:	C:\FLOW_4\CN092011.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1732			Final Weight/Volume:	50 mL
Prep Date:	09/20/2011 1032				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	85	85	90 - 110	0	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86913

Method: 335.4
Preparation: Distill/CN

MS Lab Sample ID:	280-20287-G-1-B MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2011 1731		
Prep Date:	09/20/2011 1032		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20287-G-1-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2011 1732
Prep Date:	09/20/2011 1032
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cyanide, Total	0.0077	J	0.100	0.100	0.0924	F	0.0927	F

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86988

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-86988/54	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1158	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ammonia	ND		0.022	0.040

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86988/55	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1200	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86988/56	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1201	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	100	101	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86988/55	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86988/56
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1200			Analysis Date:	09/20/2011 1201
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.02	5.06

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20346-2	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1204			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-2	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1206			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	110	110	90 - 110	0	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20346-5	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1221			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20346-5	Analysis Batch:	280-86988	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0920NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2011 1222			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	119	119	90 - 110	0	20	F	F

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20346-2	Units: mg/L		MSD Lab Sample ID:	280-20346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1204			Analysis Date:	09/20/2011 1206
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ammonia	ND	4.00	4.00	4.42	4.41

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86988

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20346-5	Units: mg/L		MSD Lab Sample ID:	280-20346-5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1221			Analysis Date:	09/20/2011 1222
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	ND	4.00	4.00	4.77	F	4.77	F

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87253

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-87253/196	Analysis Batch:	280-87253	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0921NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1640	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ammonia	ND		0.022	0.040

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87253

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87253/197	Analysis Batch:	280-87253	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0921NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1641	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87253/198	Analysis Batch:	280-87253	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0921NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1643	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	103	104	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87253

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87253/197	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87253/198
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1641			Analysis Date:	09/21/2011 1643
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.13	5.18

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87253

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Analysis Batch:	280-87253	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0921NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/21/2011 1647			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20299-1	Analysis Batch:	280-87253	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0921NXNB
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/21/2011 1649			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	118	118	90 - 110	0	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87253

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2011 1647		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20299-1
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2011 1649
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.032	J	4.00	4.00	4.77	F	4.76	F

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86951

Method: D516-90, 02
Preparation: N/A

Lab Sample ID:	MB 280-86951/6	Analysis Batch:	280-86951	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011TURBSULFATE.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 1100	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfate	ND		4.9	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86951

Method: D516-90, 02
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86951/4	Analysis Batch:	280-86951	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011TURBSULFATE.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 1100	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86951/5	Analysis Batch:	280-86951	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011TURBSULFATE.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 1100	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfate	101	100	91 - 112	1	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86951

Method: D516-90, 02
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86951/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86951/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1100			Analysis Date:	09/20/2011 1100
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Sulfate	25.0	25.0	25.1	24.9

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86951

Method: D516-90, 02
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Analysis Batch:	280-86951	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011TURBSULFATE.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 1128			Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20299-1	Analysis Batch:	280-86951	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011TURBSULFATE.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 1128			Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	105	104	45 - 153	1	21		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86951

Method: D516-90, 02
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Units:	mg/L	MSD Lab Sample ID:	280-20299-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1128			Analysis Date:	09/20/2011 1128
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate	5.9	J	25.0	25.0	32.1	31.9

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87774

Method: Nitrate by calc
Preparation: N/A

Lab Sample ID:	MB 280-87774/1	Analysis Batch:	280-87774	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/26/2011 0748	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.019	0.50

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-87055/33	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1446	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Alkalinity	ND		1.1	5.0
Bicarbonate Alkalinity as CaCO3	ND		1.1	5.0
Carbonate Alkalinity as CaCO3	ND		1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87055/31	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1428	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87055/32	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1439	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	106	90 - 110	3	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87055/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87055/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1428			Analysis Date:	09/20/2011 1439
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	213

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-20286-C-2 DU	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1501	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	310	313	0.4	10	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87250

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-87250/6	Analysis Batch:	280-87250	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092111.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1131	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Alkalinity	ND		1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87250

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87250/4	Analysis Batch:	280-87250	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092111.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1113	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87250/5	Analysis Batch:	280-87250	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092111.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1123	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Alkalinity	103	103	90 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87250

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87250/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87250/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1113			Analysis Date:	09/21/2011 1123
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Alkalinity	200	200	207	207

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87250

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-20346-2	Analysis Batch:	280-87250	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092111.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1146	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Alkalinity	28	27.9	1	10	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-86920/1	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86920/2	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86920/3	Analysis Batch:	280-86920	Instrument ID:	No Equipment		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL		
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86920/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86920/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1045			Analysis Date:	09/20/2011 1045
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	502	502

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-20287-D-4 DU	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	2800	2800	1	10	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87113

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-87113/1	Analysis Batch:	280-87113	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1127	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87113

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87113/2	Analysis Batch:	280-87113	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1127	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87113/3	Analysis Batch:	280-87113	Instrument ID:	No Equipment		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL		
Analysis Date:	09/21/2011 1127	Units:	mg/L	Final Weight/Volume:	100 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	97	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87113

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87113/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87113/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1127			Analysis Date:	09/21/2011 1127
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	489	487

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87113

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-20346-3	Analysis Batch:	280-87113	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1127	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	120	116	3	10	

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87118

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-87118/1	Analysis Batch:	280-87118	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1139	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87118

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87118/2	Analysis Batch:	280-87118	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1139	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87118/3	Analysis Batch:	280-87118	Instrument ID:	No Equipment		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL		
Analysis Date:	09/21/2011 1139	Units:	mg/L	Final Weight/Volume:	100 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	98	98	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87118

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87118/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87118/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1139			Analysis Date:	09/21/2011 1139
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	490	490

Client: Waste Management

Job Number: 280-20299-1

Duplicate - Batch: 280-87118

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-20346-12	Analysis Batch:	280-87118	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/21/2011 1139	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	120	106	14	10	F

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-86983

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID:	MB 280-86983/1	Analysis Batch:	280-86983	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	09/20/2011 1400	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfide	ND		0.50	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86983

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86983/2	Analysis Batch:	280-86983	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	09/20/2011 1400	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86983/3	Analysis Batch:	280-86983	Instrument ID:	No Equipment		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL		
Analysis Date:	09/20/2011 1400	Units:	mg/L	Final Weight/Volume:	250 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfide	103	102	83 - 112	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86983

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86983/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86983/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1400			Analysis Date:	09/20/2011 1400
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Sulfide	17.3	17.3	17.8	17.6

Client: Waste Management

Job Number: 280-20299-1

Method Blank - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

Lab Sample ID:	MB 280-87135/5	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 2034	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Average	0.164	J	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87135/3	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 1958	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87135/4	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 2017	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Average	99	100	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87135/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87135/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1958			Analysis Date:	09/20/2011 2017
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Average	25.0	25.0	24.9	24.9

Client: Waste Management

Job Number: 280-20299-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0200			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20299-1	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 0218			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Average	100	100	88 - 112	1	15		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID:	280-20299-1	Units:	mg/L	MSD Lab Sample ID:	280-20299-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 0200			Analysis Date:	09/21/2011 0218
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Average	0.88	J	25.0	25.0	25.8	25.9

Duplicate - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

Lab Sample ID:	280-20299-1	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2011 0144	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Total Organic Carbon - Average	0.88	J	0.882	0.08	15	J

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20299-1** **Client ID:** **3406-MW09R**

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20299-J-1		280-87941		09/26/2011 22:25	1	TAL DEN	TBL
A:8260B	280-20299-J-1		280-87941		09/26/2011 22:25	1	TAL DEN	TBL
P:3510C	280-20299-A-1-A		280-87115	280-86403	09/16/2011 11:36	1	TAL DEN	EEG
A:8082A	280-20299-A-1-A		280-87115	280-86403	09/20/2011 16:12	1	TAL DEN	AMP
P:3005A	280-20299-I-1-B		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20299-I-1-B		280-87246	280-86417	09/22/2011 00:32	1	TAL DEN	JKH
P:7470A	280-20299-I-1-C		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20299-I-1-C		280-87308	280-86442	09/21/2011 18:34	1	TAL DEN	BLR
A:300.0	280-20299-C-1		280-87361		09/21/2011 19:30	1	TAL DEN	EK
P:Distill/CN	280-20299-F-1-A		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	280-20299-F-1-A		280-87041	280-86913	09/20/2011 17:38	1	TAL DEN	LMK
A:350.1	280-20299-E-1		280-87253		09/21/2011 16:46	1	TAL DEN	SJS
A:D516-90, 02	280-20299-C-1		280-86951		09/20/2011 11:28	1	TAL DEN	JMT
A:Nitrate by calc	280-20299-A-1		280-87774		09/26/2011 07:48	1	TAL DEN	RS
A:SM 2320B	280-20299-C-1		280-87055		09/20/2011 17:23	1	TAL DEN	AJA
A:SM 2540C	280-20299-C-1		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 4500 S2 F	280-20299-G-1		280-86983		09/20/2011 14:00	1	TAL DEN	PMP
A:SM 5310B	280-20299-D-1		280-87135		09/21/2011 01:29	1	TAL DEN	GEY
A:Field Sampling	280-20299-A-1		280-86241		09/14/2011 10:13	1	TAL DEN	FS

Lab ID: **280-20299-1 MS** **Client ID:** **3406-MW09R**

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-20299-C-1 MS		280-87361		09/21/2011 20:34	1	TAL DEN	EK
A:350.1	280-20299-E-1 MS		280-87253		09/21/2011 16:47	1	TAL DEN	SJS
A:D516-90, 02	280-20299-C-1 MS		280-86951		09/20/2011 11:28	1	TAL DEN	JMT
A:SM 5310B	280-20299-D-1 MS		280-87135		09/21/2011 02:00	1	TAL DEN	GEY

Lab ID: **280-20299-1 MSD** **Client ID:** **3406-MW09R**

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-20299-C-1 MSD		280-87361		09/21/2011 20:49	1	TAL DEN	EK
A:350.1	280-20299-E-1 MSD		280-87253		09/21/2011 16:49	1	TAL DEN	SJS
A:D516-90, 02	280-20299-C-1 MSD		280-86951		09/20/2011 11:28	1	TAL DEN	JMT
A:SM 5310B	280-20299-D-1 MSD		280-87135		09/21/2011 02:18	1	TAL DEN	GEY

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: 280-20299-1 DU **Client ID:** 3406-MW09R

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-20299-C-1 DU		280-87361		09/21/2011 19:46	1	TAL DEN	EK
A:SM 5310B	280-20299-D-1 DU		280-87135		09/21/2011 01:44	1	TAL DEN	GEY

Lab ID: 280-20299-2 **Client ID:** TRIP BLANK

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20299-A-2		280-87941		09/26/2011 20:34	1	TAL DEN	TBL
A:8260B	280-20299-A-2		280-87941		09/26/2011 20:34	1	TAL DEN	TBL

Lab ID: 280-20346-1 **Client ID:** 3406-01FB

Sample Date/Time: 09/14/2011 12:30 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-C-1		280-87941		09/27/2011 00:15	1	TAL DEN	TBL
A:8260B	280-20346-C-1		280-87941		09/27/2011 00:15	1	TAL DEN	TBL
P:3005A	280-20346-A-1-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-1-B		280-87242	280-86421	09/21/2011 18:47	1	TAL DEN	JKH
P:3005A	280-20346-A-1-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-A-1-A		280-87086	280-86419	09/20/2011 23:33	1	TAL DEN	TEL
A:Field Sampling	280-20346-A-1		280-86394		09/14/2011 12:30	1	TAL DEN	FS

Lab ID: 280-20346-2 **Client ID:** 3406-MW01

Sample Date/Time: 09/14/2011 08:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-F-2		280-87941		09/27/2011 00:37	1	TAL DEN	TBL
A:8260B	280-20346-F-2		280-87941		09/27/2011 00:37	1	TAL DEN	TBL
P:3005A	280-20346-A-2-D		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-2-D		280-87242	280-86421	09/21/2011 18:50	1	TAL DEN	JKH
P:3005A	280-20346-C-2-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-2-A		280-87086	280-86419	09/20/2011 23:36	1	TAL DEN	TEL
A:300.0	280-20346-A-2		280-87524		09/22/2011 22:16	1	TAL DEN	EK
A:350.1	280-20346-B-2		280-86988		09/20/2011 12:03	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-2		280-87250		09/21/2011 11:38	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-2		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-2		280-86394		09/14/2011 08:32	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20346-2 MS** **Client ID:** **3406-MW01**

Sample Date/Time: 09/14/2011 08:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-2 MS		280-87941		09/27/2011 00:59	1	TAL DEN	TBL
A:8260B	280-20346-D-2 MS		280-87941		09/27/2011 00:59	1	TAL DEN	TBL
P:3005A	280-20346-A-2-E MS		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-2-E MS		280-87242	280-86421	09/21/2011 18:54	1	TAL DEN	JKH
P:3005A	280-20346-C-2-B MS		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-2-B MS		280-87086	280-86419	09/20/2011 23:45	1	TAL DEN	TEL
A:300.0	280-20346-A-2 MS		280-87524		09/22/2011 22:47	1	TAL DEN	EK
A:350.1	280-20346-B-2 MS		280-86988		09/20/2011 12:04	1	TAL DEN	SJS

Lab ID: **280-20346-2 MSD** **Client ID:** **3406-MW01**

Sample Date/Time: 09/14/2011 08:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-2 MSD		280-87941		09/27/2011 01:21	1	TAL DEN	TBL
A:8260B	280-20346-D-2 MSD		280-87941		09/27/2011 01:21	1	TAL DEN	TBL
P:3005A	280-20346-A-2-F MSD		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-2-F MSD		280-87242	280-86421	09/21/2011 18:56	1	TAL DEN	JKH
P:3005A	280-20346-C-2-C MSD		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-2-C MSD		280-87086	280-86419	09/20/2011 23:48	1	TAL DEN	TEL
A:300.0	280-20346-A-2 MSD		280-87524		09/22/2011 23:03	1	TAL DEN	EK
A:350.1	280-20346-B-2 MSD		280-86988		09/20/2011 12:06	1	TAL DEN	SJS

Lab ID: **280-20346-2 DU** **Client ID:** **3406-MW01**

Sample Date/Time: 09/14/2011 08:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	280-20346-A-2 DU		280-87524		09/22/2011 22:32	1	TAL DEN	EK
A:SM 2320B	280-20346-A-2 DU		280-87250		09/21/2011 11:46	1	TAL DEN	AJA

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: 280-20346-3 **Client ID:** 3406-MW02

Sample Date/Time: 09/14/2011 10:37 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-3		280-87941		09/27/2011 01:43	1	TAL DEN	TBL
A:8260B	280-20346-D-3		280-87941		09/27/2011 01:43	1	TAL DEN	TBL
P:3005A	280-20346-A-3-D		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-3-D		280-87242	280-86421	09/21/2011 19:10	1	TAL DEN	JKH
P:3005A	280-20346-C-3-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-3-A		280-87086	280-86419	09/20/2011 23:59	1	TAL DEN	TEL
A:300.0	280-20346-A-3		280-87524		09/22/2011 23:19	1	TAL DEN	EK
A:350.1	280-20346-B-3		280-86988		09/20/2011 12:07	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-3		280-87250		09/21/2011 11:53	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-3		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-3		280-86394		09/14/2011 10:37	1	TAL DEN	FS

Lab ID: 280-20346-3 MS **Client ID:** 3406-MW02

Sample Date/Time: 09/14/2011 10:37 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-20346-A-3-E MS		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-3-E MS		280-87242	280-86421	09/21/2011 19:12	1	TAL DEN	JKH
P:3005A	280-20346-C-3-B MS		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-3-B MS		280-87086	280-86419	09/21/2011 00:02	1	TAL DEN	TEL

Lab ID: 280-20346-3 MSD **Client ID:** 3406-MW02

Sample Date/Time: 09/14/2011 10:37 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-20346-A-3-F MSD		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-3-F MSD		280-87242	280-86421	09/21/2011 19:14	1	TAL DEN	JKH
P:3005A	280-20346-C-3-C MSD		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-3-C MSD		280-87086	280-86419	09/21/2011 00:05	1	TAL DEN	TEL

Lab ID: 280-20346-3 DU **Client ID:** 3406-MW02

Sample Date/Time: 09/14/2011 10:37 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	280-20346-A-3 DU		280-87113		09/21/2011 11:27	1	TAL DEN	BJD

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: 280-20346-4 **Client ID:** 3406-MW03

Sample Date/Time: 09/14/2011 11:30 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-E-4		280-87941		09/27/2011 02:05	1	TAL DEN	TBL
A:8260B	280-20346-E-4		280-87941		09/27/2011 02:05	1	TAL DEN	TBL
P:3005A	280-20346-A-4-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-4-B		280-87242	280-86421	09/21/2011 19:16	1	TAL DEN	JKH
P:3005A	280-20346-C-4-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-4-A		280-87086	280-86419	09/21/2011 00:08	1	TAL DEN	TEL
A:300.0	280-20346-A-4		280-87524		09/22/2011 23:35	1	TAL DEN	EK
A:350.1	280-20346-B-4		280-86988		09/20/2011 12:09	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-4		280-87250		09/21/2011 12:00	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-4		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-4		280-86394		09/14/2011 11:30	1	TAL DEN	FS

Lab ID: 280-20346-5 **Client ID:** 3406-MW04

Sample Date/Time: 09/14/2011 08:36 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-F-5		280-87941		09/27/2011 02:27	1	TAL DEN	TBL
A:8260B	280-20346-F-5		280-87941		09/27/2011 02:27	1	TAL DEN	TBL
P:3005A	280-20346-A-5-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-5-B		280-87242	280-86421	09/21/2011 19:19	1	TAL DEN	JKH
P:3005A	280-20346-C-5-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-5-A		280-87086	280-86419	09/21/2011 00:11	1	TAL DEN	TEL
A:300.0	280-20346-A-5		280-87524		09/22/2011 23:51	1	TAL DEN	EK
A:350.1	280-20346-B-5		280-86988		09/20/2011 12:19	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-5		280-87250		09/21/2011 12:06	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-5		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-5		280-86394		09/14/2011 08:36	1	TAL DEN	FS

Lab ID: 280-20346-5 MS **Client ID:** 3406-MW04

Sample Date/Time: 09/14/2011 08:36 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-20346-B-5 MS		280-86988		09/20/2011 12:21	1	TAL DEN	SJS

Lab ID: 280-20346-5 MSD **Client ID:** 3406-MW04

Sample Date/Time: 09/14/2011 08:36 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-20346-B-5 MSD		280-86988		09/20/2011 12:22	1	TAL DEN	SJS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20346-6** **Client ID:** **3406-MW04D**

Sample Date/Time: 09/14/2011 09:08 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-E-6		280-87941		09/27/2011 02:48	1	TAL DEN	TBL
A:8260B	280-20346-E-6		280-87941		09/27/2011 02:48	1	TAL DEN	TBL
P:3005A	280-20346-A-6-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-6-B		280-87242	280-86421	09/21/2011 19:21	1	TAL DEN	JKH
P:3005A	280-20346-C-6-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-6-A		280-87086	280-86419	09/21/2011 00:14	1	TAL DEN	TEL
A:300.0	280-20346-A-6		280-87524		09/23/2011 00:06	1	TAL DEN	EK
A:350.1	280-20346-B-6		280-86988		09/20/2011 12:24	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-6		280-87250		09/21/2011 12:13	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-6		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-6		280-86394		09/14/2011 09:08	1	TAL DEN	FS

Lab ID: **280-20346-7** **Client ID:** **3406-MW05**

Sample Date/Time: 09/14/2011 07:48 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-7		280-87941		09/27/2011 03:10	1	TAL DEN	TBL
A:8260B	280-20346-D-7		280-87941		09/27/2011 03:10	1	TAL DEN	TBL
P:3005A	280-20346-A-7-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-7-B		280-87242	280-86421	09/21/2011 19:23	1	TAL DEN	JKH
P:3005A	280-20346-C-7-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-7-A		280-87086	280-86419	09/21/2011 00:17	1	TAL DEN	TEL
A:300.0	280-20346-A-7		280-87524		09/23/2011 00:22	1	TAL DEN	EK
A:350.1	280-20346-B-7		280-86988		09/20/2011 12:25	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-7		280-87250		09/21/2011 12:20	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-7		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-7		280-86394		09/14/2011 07:48	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20346-8** **Client ID:** **3406-MW06**

Sample Date/Time: 09/14/2011 09:12 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-8		280-87941		09/27/2011 03:32	1	TAL DEN	TBL
A:8260B	280-20346-D-8		280-87941		09/27/2011 03:32	1	TAL DEN	TBL
P:3005A	280-20346-A-8-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-8-B		280-87242	280-86421	09/21/2011 19:26	1	TAL DEN	JKH
P:3005A	280-20346-C-8-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-8-A		280-87086	280-86419	09/21/2011 00:20	1	TAL DEN	TEL
A:300.0	280-20346-A-8		280-87524		09/23/2011 01:10	1	TAL DEN	EK
A:350.1	280-20346-B-8		280-86988		09/20/2011 12:27	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-8		280-87250		09/21/2011 12:26	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-8		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-8		280-86394		09/14/2011 09:12	1	TAL DEN	FS

Lab ID: **280-20346-9** **Client ID:** **3406-MW07**

Sample Date/Time: 09/14/2011 12:38 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-9		280-87941		09/27/2011 03:54	1	TAL DEN	TBL
A:8260B	280-20346-D-9		280-87941		09/27/2011 03:54	1	TAL DEN	TBL
P:3005A	280-20346-A-9-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-9-B		280-87242	280-86421	09/21/2011 19:37	1	TAL DEN	JKH
P:3005A	280-20346-C-9-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-9-A		280-87086	280-86419	09/21/2011 00:32	1	TAL DEN	TEL
A:300.0	280-20346-A-9		280-87524		09/23/2011 01:26	1	TAL DEN	EK
A:350.1	280-20346-B-9		280-86988		09/20/2011 12:28	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-9		280-87250		09/21/2011 12:34	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-9		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-9		280-86394		09/14/2011 12:38	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20346-10** **Client ID:** **3406-MW08**

Sample Date/Time: 09/14/2011 09:54 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-G-10		280-87941		09/27/2011 04:16	1	TAL DEN	TBL
A:8260B	280-20346-G-10		280-87941		09/27/2011 04:16	1	TAL DEN	TBL
P:3005A	280-20346-A-10-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-10-B		280-87242	280-86421	09/21/2011 19:40	1	TAL DEN	JKH
P:3005A	280-20346-C-10-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-10-A		280-87086	280-86419	09/21/2011 00:34	1	TAL DEN	TEL
A:300.0	280-20346-A-10		280-87524		09/23/2011 01:41	1	TAL DEN	EK
A:350.1	280-20346-B-10		280-86988		09/20/2011 12:30	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-10		280-87250		09/21/2011 12:39	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-10		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-10		280-86394		09/14/2011 09:54	1	TAL DEN	FS

Lab ID: **280-20346-11** **Client ID:** **3406-MW10**

Sample Date/Time: 09/14/2011 12:19 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-F-11		280-87941		09/27/2011 04:37	1	TAL DEN	TBL
A:8260B	280-20346-F-11		280-87941		09/27/2011 04:37	1	TAL DEN	TBL
P:3005A	280-20346-A-11-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-11-B		280-87242	280-86421	09/21/2011 19:42	1	TAL DEN	JKH
P:3005A	280-20346-C-11-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-11-A		280-87086	280-86419	09/21/2011 00:37	1	TAL DEN	TEL
A:300.0	280-20346-A-11		280-87524		09/23/2011 01:57	1	TAL DEN	EK
A:350.1	280-20346-B-11		280-86988		09/20/2011 12:31	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-11		280-87250		09/21/2011 13:05	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-11		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-11		280-86394		09/14/2011 12:19	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: 280-20346-12 **Client ID:** 3406-MW11

Sample Date/Time: 09/14/2011 11:34 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-12		280-88353		09/28/2011 00:11	1	TAL DEN	JS
A:8260B	280-20346-D-12		280-88353		09/28/2011 00:11	1	TAL DEN	JS
P:3005A	280-20346-A-12-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-12-B		280-87242	280-86421	09/21/2011 19:44	1	TAL DEN	JKH
P:3005A	280-20346-C-12-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-12-A		280-87086	280-86419	09/21/2011 00:40	1	TAL DEN	TEL
A:300.0	280-20346-A-12		280-87524		09/23/2011 02:13	1	TAL DEN	EK
A:350.1	280-20346-B-12		280-86988		09/20/2011 12:33	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-12		280-87250		09/21/2011 13:11	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-12		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-12		280-86394		09/14/2011 11:34	1	TAL DEN	FS

Lab ID: 280-20346-12 DU **Client ID:** 3406-MW11

Sample Date/Time: 09/14/2011 11:34 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	280-20346-A-12 DU		280-87118		09/21/2011 11:39	1	TAL DEN	BJD

Lab ID: 280-20346-13 **Client ID:** 3406-MW11D

Sample Date/Time: 09/14/2011 12:08 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-13		280-88353		09/28/2011 00:31	1	TAL DEN	JS
A:8260B	280-20346-D-13		280-88353		09/28/2011 00:31	1	TAL DEN	JS
P:3005A	280-20346-A-13-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-13-B		280-87242	280-86421	09/21/2011 19:47	1	TAL DEN	JKH
P:3005A	280-20346-C-13-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-C-13-A		280-87086	280-86419	09/21/2011 00:43	1	TAL DEN	TEL
A:300.0	280-20346-A-13		280-87524		09/23/2011 02:29	1	TAL DEN	EK
A:350.1	280-20346-B-13		280-86988		09/20/2011 12:43	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-13		280-87250		09/21/2011 13:19	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-13		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-13		280-86394		09/14/2011 12:08	1	TAL DEN	FS

Lab ID: 280-20346-13 MS **Client ID:** 3406-MW11D

Sample Date/Time: 09/14/2011 12:08 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-E-13 MS		280-88353		09/28/2011 00:52	1	TAL DEN	JS
A:8260B	280-20346-E-13 MS		280-88353		09/28/2011 00:52	1	TAL DEN	JS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: 280-20346-13 MSD **Client ID:** 3406-MW11D

Sample Date/Time: 09/14/2011 12:08 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-E-13 MSD		280-88353		09/28/2011 01:13	1	TAL DEN	JS
A:8260B	280-20346-E-13 MSD		280-88353		09/28/2011 01:13	1	TAL DEN	JS

Lab ID: 280-20346-14 **Client ID:** 3406-MW12

Sample Date/Time: 09/14/2011 08:03 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-G-14		280-88353		09/28/2011 01:33	1	TAL DEN	JS
A:8260B	280-20346-G-14		280-88353		09/28/2011 01:33	1	TAL DEN	JS
P:3005A	280-20346-A-14-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-14-B		280-87242	280-86421	09/21/2011 19:49	1	TAL DEN	JKH
P:3005A	280-20346-D-14-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-D-14-A		280-87086	280-86419	09/21/2011 00:46	1	TAL DEN	TEL
A:300.0	280-20346-A-14		280-87524		09/23/2011 02:45	1	TAL DEN	EK
A:350.1	280-20346-B-14		280-86988		09/20/2011 12:45	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-14		280-87250		09/21/2011 13:27	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-14		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-14		280-86394		09/14/2011 08:03	1	TAL DEN	FS

Lab ID: 280-20346-15 **Client ID:** 3406-MW12D

Sample Date/Time: 09/14/2011 07:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-D-15		280-88353		09/28/2011 01:54	1	TAL DEN	JS
A:8260B	280-20346-D-15		280-88353		09/28/2011 01:54	1	TAL DEN	JS
P:3005A	280-20346-A-15-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-15-B		280-87242	280-86421	09/21/2011 19:51	1	TAL DEN	JKH
P:3005A	280-20346-A-15-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-A-15-A		280-87086	280-86419	09/21/2011 00:49	1	TAL DEN	TEL
A:300.0	280-20346-A-15		280-87524		09/23/2011 03:00	1	TAL DEN	EK
A:350.1	280-20346-B-15		280-86988		09/20/2011 12:46	1	TAL DEN	SJS
A:SM 2320B	280-20346-A-15		280-87250		09/21/2011 13:34	1	TAL DEN	AJA
A:SM 2540C	280-20346-A-15		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:Field Sampling	280-20346-A-15		280-86394		09/14/2011 07:32	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **280-20346-16** **Client ID:** **TRIP BLANK**

Sample Date/Time: 09/14/2011 07:32 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20346-C-16		280-88353		09/28/2011 02:14	1	TAL DEN	JS
A:8260B	280-20346-C-16		280-88353		09/28/2011 02:14	1	TAL DEN	JS

Lab ID: **280-20346-18** **Client ID:** **3406-MW09R**

Sample Date/Time: 09/14/2011 10:13 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-20346-A-18-B		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20346-A-18-B		280-87242	280-86421	09/21/2011 19:53	1	TAL DEN	JKH
P:3005A	280-20346-A-18-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	280-20346-A-18-A		280-87086	280-86419	09/21/2011 00:52	1	TAL DEN	TEL

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

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 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
A:8260B	MB 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
P:5030B	MB 280-88353/10		280-88353		09/27/2011 23:50	1	TAL DEN	JS
A:8260B	MB 280-88353/10		280-88353		09/27/2011 23:50	1	TAL DEN	JS
P:3510C	MB 280-86403/1-A		280-87115	280-86403	09/16/2011 11:36	1	TAL DEN	EEG
A:8082A	MB 280-86403/1-A		280-87115	280-86403	09/20/2011 15:08	1	TAL DEN	AMP
P:3005A	MB 280-86421/1-A		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86421/1-A		280-87242	280-86421	09/21/2011 18:43	1	TAL DEN	JKH
P:3005A	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 23:58	1	TAL DEN	JKH
P:3005A	MB 280-86419/1-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	MB 280-86419/1-A		280-87086	280-86419	09/20/2011 23:24	1	TAL DEN	TEL
P:7470A	MB 280-86442/1-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	MB 280-86442/1-A		280-87308	280-86442	09/21/2011 17:57	1	TAL DEN	BLR
A:300.0	MB 280-87361/6		280-87361		09/21/2011 13:01	1	TAL DEN	EK
A:300.0	MB 280-87524/36		280-87524		09/22/2011 20:09	1	TAL DEN	EK
P:Distill/CN	MB 280-86913/5-A		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	MB 280-86913/5-A		280-87041	280-86913	09/20/2011 17:02	1	TAL DEN	LMK
A:350.1	MB 280-86988/54		280-86988		09/20/2011 11:58	1	TAL DEN	SJS
A:350.1	MB 280-87253/196		280-87253		09/21/2011 16:40	1	TAL DEN	SJS
A:D516-90, 02	MB 280-86951/6		280-86951		09/20/2011 11:00	1	TAL DEN	JMT
A:Nitrate by calc	MB 280-87774/1		280-87774		09/26/2011 07:48	1	TAL DEN	RS
A:SM 2320B	MB 280-87055/33		280-87055		09/20/2011 14:46	1	TAL DEN	AJA
A:SM 2320B	MB 280-87250/6		280-87250		09/21/2011 11:31	1	TAL DEN	AJA
A:SM 2540C	MB 280-86920/1		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540C	MB 280-87113/1		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:SM 2540C	MB 280-87118/1		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:SM 4500 S2 F	MB 280-86983/1		280-86983		09/20/2011 14:00	1	TAL DEN	PMP
A:SM 5310B	MB 280-87135/5		280-87135		09/20/2011 20:34	1	TAL DEN	GEY

Client: Waste Management

Job Number: 280-20299-1

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 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
A:8260B	LCS 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
P:5030B	LCS 280-88353/5		280-88353		09/27/2011 21:45	1	TAL DEN	JS
A:8260B	LCS 280-88353/5		280-88353		09/27/2011 21:45	1	TAL DEN	JS
P:3510C	LCS 280-86403/2-A		280-87115	280-86403	09/16/2011 11:36	1	TAL DEN	EEG
A:8082A	LCS 280-86403/2-A		280-87115	280-86403	09/20/2011 15:29	1	TAL DEN	AMP
P:3005A	LCS 280-86421/2-A		280-87242	280-86421	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86421/2-A		280-87242	280-86421	09/21/2011 18:45	1	TAL DEN	JKH
P:3005A	LCS 280-86417/2-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86417/2-A		280-87246	280-86417	09/22/2011 00:00	1	TAL DEN	JKH
P:3005A	LCS 280-86419/2-A		280-87086	280-86419	09/20/2011 14:00	1	TAL DEN	JM
A:6020A	LCS 280-86419/2-A		280-87086	280-86419	09/20/2011 23:27	1	TAL DEN	TEL
P:7470A	LCS 280-86442/2-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	LCS 280-86442/2-A		280-87308	280-86442	09/21/2011 17:59	1	TAL DEN	BLR
A:300.0	LCS 280-87361/4		280-87361		09/21/2011 12:29	1	TAL DEN	EK
A:300.0	LCS 280-87524/34		280-87524		09/22/2011 19:38	1	TAL DEN	EK
P:Distill/CN	LCS 280-86913/3-A		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	LCS 280-86913/3-A		280-87041	280-86913	09/20/2011 16:52	1	TAL DEN	LMK
A:350.1	LCS 280-86988/55		280-86988		09/20/2011 12:00	1	TAL DEN	SJS
A:350.1	LCS 280-87253/197		280-87253		09/21/2011 16:41	1	TAL DEN	SJS
A:D516-90, 02	LCS 280-86951/4		280-86951		09/20/2011 11:00	1	TAL DEN	JMT
A:SM 2320B	LCS 280-87055/31		280-87055		09/20/2011 14:28	1	TAL DEN	AJA
A:SM 2320B	LCS 280-87250/4		280-87250		09/21/2011 11:13	1	TAL DEN	AJA
A:SM 2540C	LCS 280-86920/2		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540C	LCS 280-87113/2		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:SM 2540C	LCS 280-87118/2		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:SM 4500 S2 F	LCS 280-86983/2		280-86983		09/20/2011 14:00	1	TAL DEN	PMP
A:SM 5310B	LCS 280-87135/3		280-87135		09/20/2011 19:58	1	TAL DEN	GEY

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

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
P:3510C	LCSD 280-86403/3-A		280-87115	280-86403	09/16/2011 11:36	1	TAL DEN	EEG
A:8082A	LCSD 280-86403/3-A		280-87115	280-86403	09/20/2011 15:50	1	TAL DEN	AMP
P:7470A	LCSD 280-86442/3-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	LCSD 280-86442/3-A		280-87308	280-86442	09/21/2011 18:06	1	TAL DEN	BLR
A:300.0	LCSD 280-87361/5		280-87361		09/21/2011 12:45	1	TAL DEN	EK
A:300.0	LCSD 280-87524/35		280-87524		09/22/2011 19:54	1	TAL DEN	EK
P:Distill/CN	LCSD 280-86913/4-A		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	LCSD 280-86913/4-A		280-87041	280-86913	09/20/2011 16:53	1	TAL DEN	LMK
A:350.1	LCSD 280-86988/56		280-86988		09/20/2011 12:01	1	TAL DEN	SJS
A:350.1	LCSD 280-87253/198		280-87253		09/21/2011 16:43	1	TAL DEN	SJS
A:D516-90, 02	LCSD 280-86951/5		280-86951		09/20/2011 11:00	1	TAL DEN	JMT
A:SM 2320B	LCSD 280-87055/32		280-87055		09/20/2011 14:39	1	TAL DEN	AJA
A:SM 2320B	LCSD 280-87250/5		280-87250		09/21/2011 11:23	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-86920/3		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540C	LCSD 280-87113/3		280-87113		09/21/2011 11:27	1	TAL DEN	BJD
A:SM 2540C	LCSD 280-87118/3		280-87118		09/21/2011 11:39	1	TAL DEN	BJD
A:SM 4500 S2 F	LCSD 280-86983/3		280-86983		09/20/2011 14:00	1	TAL DEN	PMP
A:SM 5310B	LCSD 280-87135/4		280-87135		09/20/2011 20:17	1	TAL DEN	GEY

Lab ID: **LLCS** **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:Distill/CN	LLCS 280-86913/2-A		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	LLCS 280-86913/2-A		280-87041	280-86913	09/20/2011 16:50	1	TAL DEN	LMK

Lab ID: **HLCS** **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:Distill/CN	HLCS 280-86913/1-A		280-87041	280-86913	09/20/2011 10:32	2	TAL DEN	LMK
A:335.4	HLCS 280-86913/1-A		280-87041	280-86913	09/20/2011 18:38	2	TAL DEN	LMK

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 280-87361/3		280-87361		09/21/2011 12:13	1	TAL DEN	EK
A:300.0	MRL 280-87524/3		280-87524		09/22/2011 10:23	1	TAL DEN	EK

Client: Waste Management

Job Number: 280-20299-1

Laboratory Chronicle

Lab ID: **MS** **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	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL
P:3005A	280-20298-H-3-E MS		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-E MS		280-87246	280-86417	09/22/2011 00:07	1	TAL DEN	JKH
P:7470A	280-20338-A-1-B MS		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20338-A-1-B MS		280-87308	280-86442	09/21/2011 18:11	1	TAL DEN	BLR
A:300.0	280-20592-A-2 MS		280-87524		09/22/2011 21:13	1	TAL DEN	EK
P:Distill/CN	280-20287-G-1-B MS		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	280-20287-G-1-B MS		280-87041	280-86913	09/20/2011 17:31	1	TAL DEN	LMK

Lab ID: **MSD** **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	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL
P:3005A	280-20298-H-3-F MSD		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-F MSD		280-87246	280-86417	09/22/2011 00:09	1	TAL DEN	JKH
P:7470A	280-20338-A-1-C MSD		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20338-A-1-C MSD		280-87308	280-86442	09/21/2011 18:13	1	TAL DEN	BLR
A:300.0	280-20592-A-2 MSD		280-87524		09/22/2011 22:00	1	TAL DEN	EK
P:Distill/CN	280-20287-G-1-C MSD		280-87041	280-86913	09/20/2011 10:32	1	TAL DEN	LMK
A:335.4	280-20287-G-1-C MSD		280-87041	280-86913	09/20/2011 17:32	1	TAL DEN	LMK

Lab ID: **DU** **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	280-20592-A-2 DU		280-87524		09/22/2011 20:57	1	TAL DEN	EK
A:SM 2320B	280-20286-C-2 DU		280-87055		09/20/2011 15:01	1	TAL DEN	AJA
A:SM 2540C	280-20287-D-4 DU		280-86920		09/20/2011 10:45	1	TAL DEN	BJD

Lab References:

TAL DEN = TestAmerica Denver

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Monday, October 3, 2011

TestAmerica - Denver (TE012)

Attn: Betsy Sara

4955 Yarrow Street

Arvada, CO 80033

RE: Laboratory Results for
Project Number: 134, Project Name/Desc: Piedmont Landfill
ENCO Workorder: C111281

Dear Betsy Sara,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, September 15, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 17.

PROJECT NARRATIVE

Date: 03 October 2011
Client: TestAmerica - Denver (TE012)
Project: Piedmont Landfill
Lab ID: C111281

Overview

This report is an amendment to the original report dated 22 September 2011 for this work order. This report was revised, at the client's request, to include Naphthalene in the 8270D analysis.

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3406-MW09R **Lab ID: C111281-01** **Sampled: 09/14/11 10:13** **Received: 09/15/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8081B	09/21/11	10/26/11	09/16/11	05:20	9/16/2011 15:44
EPA 8151A	09/21/11	10/26/11	09/16/11	16:55	9/21/2011 10:16
EPA 8270D	09/21/11	10/30/11	09/20/11	05:31	9/21/2011 22:32

SAMPLE DETECTION SUMMARY

No positive results detected.

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ANALYTICAL RESULTS

Description: 3406-MW09R
Matrix: Water
Project: Piedmont Landfill

Lab Sample ID: C111281-01
Sampled: 09/14/11 10:13
Sampled By: Client

Received: 09/15/11 10:30
Work Order: C111281

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	09/21/11 22:32	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	09/21/11 22:32	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	09/21/11 22:32	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	09/21/11 22:32	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	09/21/11 22:32	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	09/21/11 22:32	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	09/21/11 22:32	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	09/21/11 22:32	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	09/21/11 22:32	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	09/21/11 22:32	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	09/21/11 22:32	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	09/21/11 22:32	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	09/21/11 22:32	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	09/21/11 22:32	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	09/21/11 22:32	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	

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Description: 3406-MW09R
Matrix: Water
Project: Piedmont Landfill

Lab Sample ID: C111281-01
Sampled: 09/14/11 10:13
Sampled By: Client

Received: 09/15/11 10:30
Work Order: C111281

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	QV-02
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	QV-02
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	09/21/11 22:32	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	09/21/11 22:32	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	09/21/11 22:32	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	09/21/11 22:32	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	09/21/11 22:32	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	09/21/11 22:32	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	09/21/11 22:32	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	09/21/11 22:32	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	09/21/11 22:32	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	09/21/11 22:32	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	09/21/11 22:32	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
Naphthalene [91-20-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	09/21/11 22:32	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	09/21/11 22:32	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	09/21/11 22:32	DFM	

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Description: 3406-MW09R
Matrix: Water
Project: Piedmont Landfill

Lab Sample ID: C111281-01
Sampled: 09/14/11 10:13
Sampled By: Client

Received: 09/15/11 10:30
Work Order: C111281

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	09/21/11 22:32	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	09/21/11 22:32	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	09/21/11 22:32	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	09/21/11 22:32	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	09/21/11 22:32	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	09/21/11 22:32	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	09/21/11 22:32	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	09/21/11 22:32	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	09/21/11 22:32	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	09/21/11 22:32	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	09/21/11 22:32	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*80*	*1*	*100*	*80 %*	*10-179*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	
2-Fluorobiphenyl	*35*	*1*	*50.0*	*71 %*	*10-149*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	
2-Fluorophenol	*54*	*1*	*100*	*54 %*	*10-110*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*65 %*	*10-149*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	
Phenol-d5	*46*	*1*	*100*	*46 %*	*10-88*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	
Terphenyl-d14	*43*	*1*	*50.0*	*87 %*	*10-188*	*1I20001*	*EPA 8270D*	*09/21/11 22:32*	*DFM*	

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Description: 3406-MW09R
Matrix: Water
Project: Piedmont Landfill

Lab Sample ID: C111281-01
Sampled: 09/14/11 10:13
Sampled By: Client

Received: 09/15/11 10:30
Work Order: C111281

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/16/11 15:44	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/16/11 15:44	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/16/11 15:44	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/16/11 15:44	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/16/11 15:44	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/16/11 15:44	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/16/11 15:44	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/16/11 15:44	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/16/11 15:44	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.82*	*1*	*1.00*	*82 %*	*44-134*	*1I16001*	*EPA 8081B*	*09/16/11 15:44*	*MSZ*	
Decachlorobiphenyl	*0.96*	*1*	*1.00*	*96 %*	*37-149*	*1I16001*	*EPA 8081B*	*09/16/11 15:44*	*MSZ*	

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Description: 3406-MW09R
Matrix: Water
Project: Piedmont Landfill

Lab Sample ID: C111281-01
Sampled: 09/14/11 10:13
Sampled By: Client

Received: 09/15/11 10:30
Work Order: C111281

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	09/21/11 10:16	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/21/11 10:16	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/21/11 10:16	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	09/21/11 10:16	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	09/21/11 10:16	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.5*	*1*	*2.00*	*75 %*	*68-139*	*1I15037*	*EPA 8151A*	*09/21/11 10:16*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I20001 - EPA 3510C_MS

Blank (1I20001-BLK1) Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 20:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							QV-02
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							QV-02
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I20001 - EPA 3510C_MS

Blank (1I20001-BLK1) Continued Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 20:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							
Methapyrilene	3.5	U	10	ug/L							QV-02
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Naphthalene	1.3	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I20001 - EPA 3510C_MS

Blank (1I20001-BLK1) Continued Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 20:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*80*			*ug/L*	*100*		*80*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*74*	*10-149*			
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*10-110*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*68*	*10-149*			
Surrogate: Phenol-d5	*52*			*ug/L*	*100*		*52*	*10-88*			
Surrogate: Terphenyl-d14	*45*			*ug/L*	*50.0*		*89*	*10-188*			

LCS (1I20001-BS1) Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 20:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0		74	40-109			
4-Chloro-3-methylphenol	46		10	ug/L	50.0		92	58-121			
4-Nitrophenol	38		10	ug/L	50.0		76	33-105			
Acenaphthene	41		10	ug/L	50.0		82	39-125			
N-Nitroso-di-n-propylamine	43		10	ug/L	50.0		87	48-126			
Phenol	27		10	ug/L	50.0		55	19-78			
Pyrene	44		10	ug/L	50.0		88	44-137			
Surrogate: 2,4,6-Tribromophenol	*93*			*ug/L*	*100*		*93*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*74*	*10-149*			
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: Phenol-d5	*53*			*ug/L*	*100*		*53*	*10-88*			
Surrogate: Terphenyl-d14	*42*			*ug/L*	*50.0*		*84*	*10-188*			

Matrix Spike (1I20001-MS1) Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 21:04

Source: C110523-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0	1.2 U	74	40-109			
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.5 U	94	58-121			
4-Nitrophenol	38		10	ug/L	50.0	2.0 U	76	33-105			
Acenaphthene	42		10	ug/L	50.0	1.4 U	83	39-125			
N-Nitroso-di-n-propylamine	43		10	ug/L	50.0	1.5 U	87	48-126			
Phenol	33		10	ug/L	50.0	1.4 U	67	19-78			
Pyrene	44		10	ug/L	50.0	2.1 U	87	44-137			
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: 2-Fluorophenol	*61*			*ug/L*	*100*		*61*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*74*	*10-149*			
Surrogate: Phenol-d5	*65*			*ug/L*	*100*		*65*	*10-88*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I20001 - EPA 3510C_MS

Matrix Spike (1I20001-MS1) Continued Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 21:04

Source: C110523-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*82*	*10-188*			

Matrix Spike Dup (1I20001-MSD1) Prepared: 09/20/2011 05:31 Analyzed: 09/21/2011 21:34

Source: C110523-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0	1.2 U	75	40-109	0.4	22	
4-Chloro-3-methylphenol	49		10	ug/L	50.0	1.5 U	97	58-121	3	22	
4-Nitrophenol	38		10	ug/L	50.0	2.0 U	76	33-105	0.6	27	
Acenaphthene	43		10	ug/L	50.0	1.4 U	85	39-125	3	25	
N-Nitroso-di-n-propylamine	44		10	ug/L	50.0	1.5 U	89	48-126	2	23	
Phenol	31		10	ug/L	50.0	1.4 U	61	19-78	9	18	
Pyrene	43		10	ug/L	50.0	2.1 U	86	44-137	1	24	
Surrogate: 2,4,6-Tribromophenol	*97*			*ug/L*	*100*		*97*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*75*	*10-149*			
Surrogate: 2-Fluorophenol	*60*			*ug/L*	*100*		*60*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*74*	*10-149*			
Surrogate: Phenol-d5	*60*			*ug/L*	*100*		*60*	*10-88*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*82*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 1I16001 - EPA 3510C

Blank (1I16001-BLK1) Prepared: 09/16/2011 05:20 Analyzed: 09/16/2011 13:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.038	U	0.050	ug/L							
alpha-BHC	0.027	U	0.050	ug/L							
beta-BHC	0.027	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							
Chlordane-gamma	0.040	U	0.050	ug/L							
delta-BHC	0.022	U	0.050	ug/L							
Dieldrin	0.0020	U	0.050	ug/L							
Endosulfan I	0.041	U	0.050	ug/L							
Endosulfan II	0.029	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.029	U	0.050	ug/L							
Endrin aldehyde	0.031	U	0.050	ug/L							
gamma-BHC	0.022	U	0.050	ug/L							
Heptachlor	0.038	U	0.050	ug/L							
Heptachlor epoxide	0.027	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1I16001 - EPA 3510C

Blank (1I16001-BLK1) Continued Prepared: 09/16/2011 05:20 Analyzed: 09/16/2011 13:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*101*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*105*	*37-149*			

LCS (1I16001-BS1) Prepared: 09/16/2011 05:20 Analyzed: 09/16/2011 13:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00		100	37-139			
Dieldrin	1.1		0.050	ug/L	1.00		109	46-132			
Endrin	0.99		0.050	ug/L	1.00		99	43-133			
Surrogate: 2,4,5,6-TCMX	*0.99*			*ug/L*	*1.00*		*99*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*104*	*37-149*			

Matrix Spike (1I16001-MS1) Prepared: 09/16/2011 05:20 Analyzed: 09/16/2011 13:44

Source: C110523-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00	0.049 U	104	37-139			
Dieldrin	1.1		0.050	ug/L	1.00	0.0020 U	109	46-132			
Endrin	1.0		0.050	ug/L	1.00	0.029 U	100	43-133			
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*105*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.48*			*ug/L*	*1.00*		*48*	*37-149*			

Matrix Spike Dup (1I16001-MSD1) Prepared: 09/16/2011 05:20 Analyzed: 09/16/2011 13:58

Source: C110523-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.98		0.050	ug/L	1.00	0.049 U	98	37-139	5	26	
Dieldrin	1.0		0.050	ug/L	1.00	0.0020 U	104	46-132	5	27	
Endrin	0.98		0.050	ug/L	1.00	0.029 U	98	43-133	2	26	
Surrogate: 2,4,5,6-TCMX	*0.96*			*ug/L*	*1.00*		*96*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.42*			*ug/L*	*1.00*		*42*	*37-149*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1I15037 - EPA 3510C

Blank (1I15037-BLK1) Prepared: 09/15/2011 18:55 Analyzed: 09/20/2011 03:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1I15037 - EPA 3510C

Blank (1I15037-BLK1) Continued Prepared: 09/15/2011 18:55 Analyzed: 09/20/2011 03:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4-DCAA	*1.4*			*ug/L*	*2.00*		*72*	*68-139*			

Blank (1I15037-BLK3) Prepared: 09/16/2011 16:55 Analyzed: 09/21/2011 09:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*106*	*68-139*			

LCS (1I15037-BS1) Prepared: 09/15/2011 18:55 Analyzed: 09/20/2011 04:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.4		0.50	ug/L	2.00		70	70-114			
2,4-D	1.4		0.50	ug/L	2.00		71	37-129			
Surrogate: 2,4-DCAA	*1.4*			*ug/L*	*2.00*		*68*	*68-139*			

Matrix Spike (1I15037-MS1) Prepared: 09/15/2011 18:55 Analyzed: 09/20/2011 04:51

Source: A104959-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.4		0.50	ug/L	2.00	0.15 U	71	70-114			
2,4-D	1.4		0.50	ug/L	2.00	0.15 U	72	37-129			
Surrogate: 2,4-DCAA [2C]	*1.5*			*ug/L*	*2.00*		*74*	*68-139*			

Matrix Spike Dup (1I15037-MSD1) Prepared: 09/15/2011 18:55 Analyzed: 09/20/2011 05:17

Source: A104959-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.4		0.50	ug/L	2.00	0.15 U	68	70-114	3	15	QM-07
2,4-D	1.4		0.50	ug/L	2.00	0.15 U	69	37-129	3	33	
Surrogate: 2,4-DCAA	*1.3*			*ug/L*	*2.00*		*63*	*68-139*			*QS-05*

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QS-05	Surrogate recovery biased low and outside control limits due to suspected matrix effects, as evidenced by sample behavior during sample preparation (emulsion formation, excessive foaming).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

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
TestAmerica Denver	Betsy Sara	9-14-11	133478
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
4955 Yarrow Street	303-736-0189 (betsy.sara@testamericainc.com)		
City / State / Zip Code	**Site Contact / Lab Contact**		
Arvada / CO / 80002	Lab Contact: Betsy		
Project Name and Location (State)	**Carrier/Waybill Number**		
134 Piedmont			
Contract/Purchase Order/Quote No.			
28003156-Annual App II-Sep			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8270D	8081B	8151A	Special Instructions/ Conditions of Receipt
MW09R	9-14	1013		X			6						2	2	2	C111281

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	9-14-11	1630	1. Received By: Briana Gregory	9/15/11	10:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: Blue 3.2°C

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

www.encolabs.com

[redacted]

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 3.3 Bag 9/13

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
WM		9-14-11	133473
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**

City	State	Zip Code	Site Contact	Lab Contact
	NC			Betsy Sara

Project Name and Location (State)	Carrier/Waybill Number
1341 Piedmont	

Contract/Purchase Order/Quote No.: 28003156 - Annual App. II - Sep

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): Cl/Alks/TDS	NH3/TOC	NO3(cad)/SO4	Total Metals	8260B	Sulfide	Cyanide (335.4)	8082	8270D*	8081B*	8151A*		Special Instructions/ Conditions of Receipt
MW09R	9-14	1013		X				10	2	1	3		1		1	2	✓	1	3	1	1	2	2	2	2		*Sub directly to ENCO
TRIP	9-14	—		X							✓								✓								

Page 208 of 228

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	9-14-11	1630	1. Received By	9/15/11	0930
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: 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
091411	0943	0030	23	27	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

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 ____

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

X-Other:

WELL DATA

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

Depth to Water (DTW) (from TOC): 28.75 (ft)

Groundwater Elevation (site datum, from TOC): 735.80 (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)
1000	.09	1st 5.70	1st 384	19.8	13	0.9	753	29.4
1003	.09	2nd 5.70	2nd 385	19.5	07	0.9	778	29.4
1006	.09	3rd 5.68	3rd 385	19.8	06	0.9	807	29.4
1009	.09	4th 5.72	4th 381	19.9	05	0.9	817	29.4
1012	.09	5.71	387	19.9	05	0.9	823	29.4
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 ____
091411	5.71	387	19.9	05	0.9	823	

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: CLEAR 70°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 42.95 - 28.75 = 14.20 x 0.65 = 2.31 GAL.
FLOW: 167x4 = 668 ÷ 60 = 11.13 MIN/GAL = 0.09 gpm.
VOL: 30.00 ÷ 11.13 = 2.70 GAL.
SAMPLE TIME: 1013

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
09/14/11	BEN RAMJEAWAN	Ben Ramjeawan	PRO-TECH

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

TAL-8029WM (0108)

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 5.1, 4.1, 3.6° 9/15/11

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	9-14-11	133467
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 2

City	State	Zip Code	Site Contact	Lab Contact
	NC			Betsy Sara

Project Name and Location (State): 134/ Piedmont

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 28003156 - SAGW + Indicators + Dissolved Metals - Sep

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Total Metals	8260B	Cl/Alk/TDS	NH3	Dissolved Metals								Special Instructions/ Conditions of Receipt
01FB	9-14	1230		X						1	3				1	3											
MW01	9-14	0832		X				1	1	1	3				1	3	1	1									
MW02	9-14	1037		X				1	1	1	3				1	3	1	1									
MW03	9-14	1130		X				1	1	2	3				1	3	1	1	1								
MW04	9-14	0836		X				1	1	2	3				1	3	1	1	1								
MW04D	9-14	0908		X				1	1	2	3				1	3	1	1	1								
MW05	9-14	0748		X				1	1	1	3				1	3	1	1									
MW06	9-14	0912		X				1	1	1	3				1	3	1	1									
MW07	9-14	1238		X				1	1	1	3				1	3	1	1									
MW08	9-14	0954		X				1	1	2	3				1	3	1	1	1								
MW10	9-14	1219		X				1	1	1	3				1	3	1	1									
MW11	9-14	1134		X				1	1	1	3				1	3	1	1									

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	9-14-11	1630	1. Received By	9/15/11	0930
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	9-14-11	133468
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2

City	State	Zip Code	Site Contact	Lab Contact
	NC			Betsy Sara

Project Name and Location (State): 1351 Piedmont

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 28003156-SA GW + Indicators + Dissolved Metals-Sep

Analysis (Attach list if more space is needed)

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	Total Metals	8260B	Cl/Alk/TDS	NH3	Dissolved Metals
MW11D	9-14	1208		X			1	1	1	3			1	3	1	1	
MW12	9-14	0803		X			1	1	2	3			1	3	1	1	1
MW12D	9-14	0732		X			1	1	1	3			1	3	1	1	
TRIP BLANK	9-14	—		X						✓				✓			
MW09R	9-14	1013		X					1				1				

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	9-14-11	1630	1. Received By	9/15/11	0930
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: 01FB (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: i

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
091411	1230	—	—	—	—

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)	(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 ____
091411	678	1	193	01	38	147	

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: NW/0-5 Outlook: CLEAR 80°F Precipitation: Y or (N)

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

SAMPLE BOTTLES FILLED WITH DI WATER.

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
09/14/11	BEN RAMSEAW AW	Ben Ramseaw	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: 2

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
091411	0811	0021	08	17	23

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)	823.93 (ft/msl)	Depth to Water (DTW) (from TOC)	44.42 (ft)	Groundwater Elevation (site datum, from TOC)	878.51 (ft/msl)
Total Well Depth (from TOC)	49.00 (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)
0822	.08 1st	5.70 1st	84	15.7	2.1	1.6	921	44.6
0825	.08 2nd	5.66 2nd	79	15.9	1.4	1.6	931	44.6
0828	.08 3rd	5.66 3rd	77	15.8	0.8	1.6	945	44.6
0831	.08 4th	5.67 4th	73	15.8	0.4	1.6	953	44.6
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
091411	5.67	73	15.8	0.4	1.6	953	

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: CLEAR 68°F Precipitation: Y or N

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

FIELD COMMENTS

CALC: 49.00 − 44.42 = 4.58 x 0.163 = 0.75 GAL

FLOW: 188 x 4 = 752 ÷ 60 = 12.53 MIN/GAL = 0.08 gpm

VOL: 21.00 ÷ 12.53 = 1.68 GAL

SAMPLE TIME: 0832

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
09/14/11	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: MW2 (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: 3

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
091411	1020	1:17	08	13	1.6

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): 77804 (ft/msl)

Depth to Water (DTW) (from TOC): 3046 (ft)

Groundwater Elevation (site datum, from TOC): 74758 (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)
1030	0.076 1st	5.17 1st	123	16.5	2.6	1.2	304.0	30.5
1032	0.076 2nd	5.20 2nd	126	16.4	2.6	1.2	301.0	30.6
1034	0.076 3rd	5.21 3rd	127	16.4	2.4	1.2	299.0	30.6
1036	0.076 4th	5.22 4th	127	16.4	2.2	1.1	297.0	30.6
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
091411	5.22	127	16.4	2.2	1.1	297.0	

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

FIELD COMMENTS

Sample Appearance: CLEAR Odor: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: Clear 75-80°F Precipitation: Y or (N)

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

CALC: 35.50 - 30.46 = 5.04 X 0.163 = 0.82 gallons

FLOW: 197 x 4 = 788 ÷ 60 = 13.13 ∴ 0.076 gpm

ACTUAL: 17 ÷ 13.13 = 1.29 gallon

SAMPLE TIME: 1037

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
9/14/11	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: 4

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
09 14 11	1110	0020	17	17	10

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

PURGE/SAMPLE EQUIPMENT

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

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 (X) 0.45 µ or _____ µ (circle or fill in)

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

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

WELL DATA

Well Elevation (at TOC): 770.08 (ft/msl)

Depth to Water (DTW) (from TOC): 27.50 (ft)

Groundwater Elevation (site datum, from TOC): 742.58 (ft/msl)

Total Well Depth (from TOC): 38.00 (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)
1120	.09 1st	5.49 1st	159 1st	18.7	08	2.9	628	28.2
1123	.09 2nd	5.49 2nd	158 2nd	18.5	07	2.9	715	28.2
1126	.09 3rd	5.48 3rd	158 3rd	18.1	06	2.9	718	28.2
1129	.09 4th	5.50 4th	158 4th	18.3	03	2.9	753	28.2
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
09 14 11	5.50	158	18.3	03	2.9	753	

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: NE/0-5 Outlook: CLEAR, 75°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 38.00 − 27.50 = 10.50 × 0.163 = 1.71 GAL.
FLOW: 174 × 4 = 696 ÷ 60 = 11.60 MIN/GAL = 0.09 gpm.
VOL: 20.00 ÷ 11.60 = 1.72 GAL.
SAMPLE TIME: 1130

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
09/14/11	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: 5

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
09 14 11	08:18	1:08	20	21	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: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

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

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

WELL DATA

Well Elevation (at TOC): 756.92 (ft/msl)

Depth to Water (DTW) (from TOC): 14.91 (ft)

Groundwater Elevation (site datum, from TOC): 742.01 (ft/msl)

Total Well Depth (from TOC): 27.00 (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)
08:29	0.12 1st	5.41 1st	76	16.3	3.2	0.8	188.0	15.3
08:31	0.12 2nd	5.37 2nd	75	16.3	3.0	0.8	190.0	15.4
08:33	0.12 3rd	5.34 3rd	75	16.3	2.0	0.8	192.0	15.4
08:35	0.12 4th	5.32 4th	75	16.3	1.9	0.8	194.0	15.4
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
09 14 11	5.32	75	16.3	1.9	0.8	194.0	

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

Sample Appearance: CLEAR Odor: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0.5 Outlook: P.C. 70°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 27.00 - 14.91 = 12.09 x 0.163 = 1.97 gallon

FLOW: 122 x 4 = 488 ÷ 60 = 8.13 ;; 0.123 gpm

ACTUAL: 18 ÷ 8.13 = 2.12 gallon

SAMPLE TIME: 0836

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
9/14/11	DAN ARMOUR	[signature]	PRA-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: 6

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
091411	0850	:18	7.6	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) or ____ µ (circle or fill in)

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

Sampling Device: C

X-Other:

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

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

WELL DATA

Well Elevation (at TOC): 757.33 (ft/msl)

Depth to Water (DTW) (from TOC): 15.38 (ft)

Groundwater Elevation (site datum, from TOC): 741.95 (ft/msl)

Total Well Depth (from TOC): 62.00 (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)
0901	0.083 1st	6.20 1st	90	16.1	18.6	1.3	130.0	15.4
0903	0.083 2nd	6.18 2nd	90	16.0	16.2	1.2	131.0	15.4
0905	0.083 3rd	6.19 3rd	90	16.0	18.2	1.2	132.0	15.4
0907	0.083 4th	6.17 4th	92	16.0	15.8	1.2	136.0	15.4
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 ____
091411	6.17	92	16.0	15.8	1.2	136.0	

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

Sample Appearance: SLT. CLOUDY Odor: ____ Color: LIGHT TAN Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: Clear 70°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 62.00 - 15.38 = 46.62 x 0.163 = 7.6 gallon

FLOW: 181 x 4 = 724 ÷ 60 = 12.07 ∴ 0.083 gpm

ACTUAL: 18 ÷ 12.07 = 1.49 gallon

SAMPLE TIME: 0908

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
9/14/11	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: 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: 7

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
091411	0725	0023	23	21	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

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

Sampling Device: C

X-Other:

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

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

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

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
74317 (ft/msl)	683 (ft)	73634 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
2050 (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)
0735	.09 1st	572 1st	283	134	09	06	830	70
0738	.09 2nd	572 2nd	277	134	06	06	811	70
0741	.09 3rd	572 3rd	287	136	06	06	779	71
0744	.09 4th	572 4th	297	137	04	06	765	71
0747	.09	572	295	137	05	06	759	71
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
091411	572	295	137	05	06	759	

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: CLEAR 60°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 20.50 − 6.83 = 13.67 x 0.163 = 2.28 GAL.
FLOW: 166 x 4 = 664 ÷ 60 = 11.07 MIN/GAL = 0.09 gpm
VOL: 23.00 ÷ 11.07 = 2.08 GAL.
SAMPLE TIME: 0748

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
09/14/11	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: 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: 8

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
091411	0850	0022	07	19	29

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): 800.87 (ft/msl)

Depth to Water (DTW) (from TOC): 25.40 (ft)

Groundwater Elevation (site datum, from TOC): 775.47 (ft/msl)

Total Well Depth (from TOC): 29.60 (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)
09:02	.09 1st	5.04 1st	35	15.8	21	1.5	+22	25.5
09:05	.09 2nd	5.04 2nd	36	16.0	1.6	1.8	+305	22.5
09:08	.09 3rd	5.06 3rd	36	16.1	1.3	1.8	+324	22.5
09:11	.09 4th	5.06 4th	36	16.2	09	1.8	+347	22.5
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
091411	5.06	36	16.2	09	1.8	347	

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: CLEAR 68°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 29.60 − 25.40 = 4.20 X 0.163 = 0.68 GAL.
FLOW: 170 X 4 = 680 ÷ 60 = 11.33 MIN/GAL = 0.09 gpm.
VOL: 22.00 ÷ 11.33 = 1.94 GAL.
SAMPLE TIME: 0912

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
09/14/11	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: MW7 (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: 9

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
091411	1222	1:16	0.07	1.2	18

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): 771.57 (ft/msl)

Depth to Water (DTW) (from TOC): 27.09 (ft)

Groundwater Elevation (site datum, from TOC): 744.48 (ft/msl)

Total Well Depth (from TOC): 31.30 (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)
1231	0.076 1st	5.78 1st	128	15.9	52	2.2	160.0	27.2
1233	0.076 2nd	5.77 2nd	129	15.9	53	2.3	162.0	27.2
1235	0.076 3rd	5.79 3rd	130	15.9	47	2.3	165.0	27.2
1237	0.076 4th	5.78 4th	131	15.9	44	2.3	167.0	27.2
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 ____
091411	5.78	131	15.9	44	2.3	167.0	

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

Sample Appearance: CLEAR Odor: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: Clear 85°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 31.30 - 27.09 = 4.21 x 0.163 = 0.69 gallons

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

ACTUAL: 16 ÷ 13.2 = 1.21 gallon

SAMPLE TIME: 1238

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
9/14/11	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: 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: 10

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
091411	0935	1:19	1.5	18	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

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

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

Sampling Device: C

X-Other:

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

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

WELL DATA

Well Elevation (at TOC)	748.95 (ft/msl)	Depth to Water (DTW) (from TOC)	9.67 (ft)	Groundwater Elevation (site datum, from TOC)	739.28 (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)
0947	0.095 1st	5.33 1st	135 1st	17.5	53	1.3	170	10.2
0949	0.095 2nd	5.38 2nd	134 2nd	17.4	42	1.3	181	10.2
0951	0.095 3rd	5.40 3rd	134 3rd	17.4	31	1.3	183	10.2
0953	0.095 4th	5.41 4th	135 4th	17.4	31	1.3	184	10.2
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
091411	5.41	135	17.4	31	1.3	184.0	

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

Sample Appearance: CLEAR Odor: ____ Color: NONE Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: Clear 75°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 18.80 - 9.67 = 9.13 x 0.163 = 1.49 gallon

FLOW: 158 x 4 = 632 ÷ 60 = 10.53 ; 0.095 gpm

ACTUAL: 19 ÷ 10.53 = 1.80 gallon

SAMPLE TIME: 0954

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
9/14/11	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: 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: 11

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
091411	1157	22	06	19	34

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)
77720 (ft/msl)	3450 (ft)	74270 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
3800 (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)
1206	.09	1st 559	1st 1119	183	07	3.3	120	345
1209	.09	2nd 542	2nd 1117	184	07	3.3	121	346
1212	.09	3rd 538	3rd 1116	185	05	3.3	119	346
1215	.09	4th 536	4th 1117	184	04	3.3	118	346
1218	.09	535	1116	185	05	3.2	116	346
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 ____
091411	535	116	185	05	32	116	

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: CLEAR 80°F Precipitation: (O) or N

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

FIELD COMMENTS

CALC: 38.00 - 34.50 = 3.50 x 0.163 = 0.57 GAL.
FLOW: 680 ÷ 60 = 11.33 ML/GAL = 0.09 gpm.
VOL.: 22.00 ÷ 11.33 = 1.94 GAL.
SAMPLE TIME: 1219

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
09/14/11	BEN RAMGEAWAN	Ben Ramgeawan	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: 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: 12

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
09 14 11	11:15	:19	08	15	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-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)	30.16 (ft)	Groundwater Elevation (site datum, from TOC)	74664 (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)
11:27	0.079 1st	5.46 1st	156	16.2	74	1.2	140.0	30.3
11:29	0.079 2nd	5.46 2nd	158	16.2	72	1.2	138.0	30.2
11:31	0.079 3rd	5.46 3rd	158	16.1	53	1.2	138.0	30.2
11:33	0.079 4th	5.47 4th	158	16.1	51	1.2	140.0	30.2
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
09 14 11	5.47	158	16.1	51	1.2	140.0	

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

Sample Appearance: CLEAR Odor: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: clear 80°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 35.00 − 30.16 = 4.84 X 0.163 = 0.79 gallon

FLOW: 191 X 4 = 764 ÷ 60 = 12.73 " 0.079 gpm

ACTUAL: 19 ÷ 12.73 = 1.49 gallon

SAMPLE TIME: 1134

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
9/14/11	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: 13

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
091411	1150	1:18	22	16	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: (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)	77636 (ft/msl)	Depth to Water (DTW) (from TOC)	3010 (ft)	Groundwater Elevation (site datum, from TOC)	74626 (ft/msl)
Total Well Depth (from TOC)	4350 (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)
1201	0.087 1st	6.21 1st	71	15.1	187	3.7	1220	3.12
1203	0.087 2nd	6.25 2nd	72	15.2	189	3.7	1240	3.13
1205	0.087 3rd	6.28 3rd	71	15.2	186	3.7	1240	3.13
1207	0.087 4th	6.27 4th	72	15.2	169	3.7	1250	3.13
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
091410	6.27	72	15.2	169	3.7	1250	

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: VERY SILTY CLOUDY Odor: ____ Color: LT. TAN/WHITISH Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: CLEAR 85°F Precipitation: Y or (N)

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

FIELD COMMENTS

CALC: 43.50 - 30.10 = 13.40 X 0.163 = 2.18 gallon

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

ACTUAL: 18 ÷ 11.47 = 1.57 gallon

SAMPLE TIME: 1208

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
9/14/11	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: 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: 14

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
091411	0742	21	18	16	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

Purging Device: G — 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 0 µ (circle or fill in)

Filter Type: A — 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): 7514.8 (ft/msl)

Depth to Water (DTW) (from TOC): 7.13 (ft)

Groundwater Elevation (site datum, from TOC): 744.35 (ft/msl)

Total Well Depth (from TOC): 18.00 (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)
0756	0.075 1st	5.90 1st	139 1st	16.5	8.6	1.1	126.0	7.3
0758	0.075 2nd	5.92 2nd	139 2nd	16.5	8.1	1.1	127.0	7.3
0800	0.075 3rd	5.90 3rd	140 3rd	16.4	8.4	1.1	126.0	7.3
0802	0.075 4th	5.91 4th	140 4th	16.4	7.8	1.1	126.0	7.3
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
091411	5.91	140	16.4	7.8	1.1	126.0	

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

FIELD COMMENTS

Sample Appearance: CLEAR Odor: Color: NONE Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: P.C, 65°F Precipitation: Y or (N)

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

CALC: 18.00 - 7.13 = 10.87 x 0.163 = 1.77 gallon

FLOW: 200 x 4 = 800 ÷ 60 = 13.3 ∴ 0.075 gpm

ACTUAL: 21 ÷ 13.3 = 1.58 gallon

SAMPLE TIME: 0803

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
9/14/11	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: 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: 15

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
091411	0710	2:23	5.9	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

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): 751.98 (ft/msl)

Depth to Water (DTW) (from TOC): 6.87 (ft)

Groundwater Elevation (site datum, from TOC): 749.61 (ft/msl)

Total Well Depth (from TOC): 43.30 (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)
0725	0.08 1st	6.38 1st	237	15.1	22	0.8	135.0	7.0
0727	0.08 2nd	6.38 2nd	237	15.1	19	0.8	133.0	7.0
0729	0.08 3rd	6.40 3rd	236	15.1	16	0.8	136.0	7.0
0731	0.08 4th	6.40 4th	236	15.1	15	0.8	129.0	7.0
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

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

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____ Units _____
091411	6.40	236	15.1	15	0.8	129.0	

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

FIELD COMMENTS

Sample Appearance: CLEAR Odor: _____ Color: NONE Other: _____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0.5 Outlook: P.C 65°F Precipitation: Y or (N)

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

CALC: 43.30 - 6.87 = 36.43 x 0.163 = 5.94 gallon

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

ACTUAL: 22 min ÷ 12.87 = 1.71 gallon

SAMPLE TIME: 0732

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
9/14/11	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: 280-20299-1

Login Number: 20299

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

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.	True	

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-20299-1

Login Number: 20346

List Source: TestAmerica Denver

List Number: 1

Creator: Bindel, Aaron M

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.	True	

ANALYTICAL REPORT

Job Number: 280-20309-1

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
9/28/2011 2:14 PM

Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
09/28/2011

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: 280-20309-1

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 09/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.5 C.

Holding Times

The holding times were within established control limits.

Method Blanks

Total Barium Method 6010C and Total Antimony 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)

All MS/MSD samples were within established control limits.

Metals

The Method 6010C CCVL for Total Silver associated recovered above the upper control limit. The samples associated with this CCVL were non-detect for Total Silver; therefore, the data have been reported.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20309-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20309-1	**3406-S02**					
Field pH		6.99			SU	Field Sampling
Field Conductivity		127			umhos/cm	Field Sampling
Field Temperature		22.7			Degrees C	Field Sampling
Field Turbidity		0.8			NTU	Field Sampling
Field Dissolved Oxygen		5.7			mg/L	Field Sampling
Field EH/ORP		84.4			millivolts	Field Sampling
Total Recoverable						
Barium		25	J B	100	ug/L	6010C
Vanadium		1.3	J	25	ug/L	6010C
Antimony		0.098	J B	6.0	ug/L	6020A
Cadmium		0.044	J	1.0	ug/L	6020A
280-20309-2	**3406-S03**					
Field pH		7.06			SU	Field Sampling
Field Conductivity		104			umhos/cm	Field Sampling
Field Temperature		23.0			Degrees C	Field Sampling
Field Turbidity		0.5			NTU	Field Sampling
Field Dissolved Oxygen		5.5			mg/L	Field Sampling
Field EH/ORP		82.8			millivolts	Field Sampling
Total Recoverable						
Barium		24	J B	100	ug/L	6010C
Vanadium		1.6	J	25	ug/L	6010C
Arsenic		0.36	J	10	ug/L	6020A
Cadmium		0.065	J	1.0	ug/L	6020A
280-20309-3	**3406-S04**					
Field pH		6.70			SU	Field Sampling
Field Conductivity		154			umhos/cm	Field Sampling
Field Temperature		21.8			Degrees C	Field Sampling
Field Turbidity		0.7			NTU	Field Sampling
Field Dissolved Oxygen		5.8			mg/L	Field Sampling
Field EH/ORP		102			millivolts	Field Sampling
Total Recoverable						
Barium		37	J B	100	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20309-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20309-4	**3406-S05**					
Field pH		7.12			SU	Field Sampling
Field Conductivity		107			umhos/cm	Field Sampling
Field Temperature		23.4			Degrees C	Field Sampling
Field Turbidity		2.1			NTU	Field Sampling
Field Dissolved Oxygen		4.8			mg/L	Field Sampling
Field EH/ORP		88.3			millivolts	Field Sampling
Total Recoverable						
Barium		21	J B	100	ug/L	6010C
Vanadium		1.6	J	25	ug/L	6010C
Cadmium		0.088	J	1.0	ug/L	6020A

METHOD SUMMARY

Client: Waste Management

Job Number: 280-20309-1

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			SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals			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: 280-20309-1

Method	Analyst	Analyst ID
SW846 8260B	Lipan, Troy B	TBL
SW846 6010C	Harre, John K	JKH
SW846 6020A	Trudell, Lynn-Anne	LT
EPA Field Sampling	Field, Sampler	FS

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-20309-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-20309-1	3406-S02	Water	09/14/2011 1255	09/15/2011 0930
280-20309-2	3406-S03	Water	09/14/2011 1328	09/15/2011 0930
280-20309-3	3406-S04	Water	09/14/2011 1312	09/15/2011 0930
280-20309-4	3406-S05	Water	09/14/2011 1345	09/15/2011 0930
280-20309-5TB	TRIP BLANK	Water	09/14/2011 1255	09/15/2011 0930

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-20309-1

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2056			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2056				

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: 280-20309-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-20309-1

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2056			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2056				

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)	89		70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	86		77 - 120

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-20309-2

Client Matrix: Water

Date Sampled: 09/14/2011 1328

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2247			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2247				

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: 280-20309-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-20309-2

Client Matrix: Water

Date Sampled: 09/14/2011 1328

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2247			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2247				

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)	92		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	102		78 - 120
Dibromofluoromethane (Surr)	87		77 - 120

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-20309-3

Client Matrix: Water

Date Sampled: 09/14/2011 1312

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0222.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2309			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2309				

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: 280-20309-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-20309-3

Client Matrix: Water

Date Sampled: 09/14/2011 1312

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0222.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2309			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2309				

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)	94		70 - 127
Toluene-d8 (Surr)	108		80 - 125
4-Bromofluorobenzene (Surr)	105		78 - 120
Dibromofluoromethane (Surr)	89		77 - 120

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-20309-4

Client Matrix: Water

Date Sampled: 09/14/2011 1345

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0223.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2331			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2331				

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: 280-20309-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-20309-4

Client Matrix: Water

Date Sampled: 09/14/2011 1345

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0223.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2331			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2331				

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)	107		80 - 125
4-Bromofluorobenzene (Surr)	108		78 - 120
Dibromofluoromethane (Surr)	88		77 - 120

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20309-5TB

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0224.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2353			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2353				

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: 280-20309-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20309-5TB

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0224.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2353			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2353				

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)	99		70 - 127
Toluene-d8 (Surr)	118		80 - 125
4-Bromofluorobenzene (Surr)	115		78 - 120
Dibromofluoromethane (Surr)	93		77 - 120

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S02**

Lab Sample ID: 280-20309-1

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0023			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	25	J B	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	1.3	J	1.1	25

Analysis Method:	6010C	Analysis Batch:	280-87458	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1617			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND	^	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	027SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1425			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	0.098	J B	0.070	6.0
Arsenic	ND		0.21	10
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Analysis Method:	6020A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	031SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1354			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.044	J	0.040	1.0

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S03**

Lab Sample ID: 280-20309-2

Client Matrix: Water

Date Sampled: 09/14/2011 1328

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0025			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	24	J B	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	1.6	J	1.1	25

Analysis Method:	6010C	Analysis Batch:	280-87458	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1619			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND	^	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	028SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1428			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	ND		0.070	6.0
Arsenic	0.36	J	0.21	10
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Analysis Method:	6020A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	032SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1357			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.065	J	0.040	1.0

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S04**

Lab Sample ID: 280-20309-3

Client Matrix: Water

Date Sampled: 09/14/2011 1312

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0027			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	37	J B	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

Analysis Method:	6010C	Analysis Batch:	280-87458	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1622			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND	^	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	029SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1432			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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

Analysis Method:	6020A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	033SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1400			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	ND		0.040	1.0

Client: Waste Management

Job Number: 280-20309-1

Client Sample ID: **3406-S05**

Lab Sample ID: 280-20309-4

Client Matrix: Water

Date Sampled: 09/14/2011 1345

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0030			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	21	J B	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	1.6	J	1.1	25

Analysis Method:	6010C	Analysis Batch:	280-87458	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1624			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND	^	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	030SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1435			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

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

Analysis Method:	6020A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	034SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1404			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.088	J	0.040	1.0

Field Service / Mobile Lab

Client Sample ID: **3406-S02**

Lab Sample ID: 280-20309-1

Client Matrix: Water

Date Sampled: 09/14/2011 1255

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.99		SU	1.0	Field Sampling	280-86284	09/14/2011 1255
Field Conductivity	127		umhos/cm	1.0	Field Sampling	280-86284	09/14/2011 1255
Field Temperature	22.7		Degrees C	1.0	Field Sampling	280-86284	09/14/2011 1255
Field Turbidity	0.8		NTU	1.0	Field Sampling	280-86284	09/14/2011 1255
Field Dissolved Oxygen	5.7		mg/L	1.0	Field Sampling	280-86284	09/14/2011 1255
Field EH/ORP	84.4		millivolts	1.0	Field Sampling	280-86284	09/14/2011 1255

Field Service / Mobile Lab

Client Sample ID: **3406-S03**

Lab Sample ID: 280-20309-2

Client Matrix: Water

Date Sampled: 09/14/2011 1328

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.06		SU	1.0	Field Sampling	280-86284	09/14/2011 1328
Field Conductivity	104		umhos/cm	1.0	Field Sampling	280-86284	09/14/2011 1328
Field Temperature	23.0		Degrees C	1.0	Field Sampling	280-86284	09/14/2011 1328
Field Turbidity	0.5		NTU	1.0	Field Sampling	280-86284	09/14/2011 1328
Field Dissolved Oxygen	5.5		mg/L	1.0	Field Sampling	280-86284	09/14/2011 1328
Field EH/ORP	82.8		millivolts	1.0	Field Sampling	280-86284	09/14/2011 1328

Field Service / Mobile Lab

Client Sample ID: **3406-S04**

Lab Sample ID: 280-20309-3

Client Matrix: Water

Date Sampled: 09/14/2011 1312

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.70		SU	1.0	Field Sampling	280-86284	09/14/2011 1312
Field Conductivity	154		umhos/cm	1.0	Field Sampling	280-86284	09/14/2011 1312
Field Temperature	21.8		Degrees C	1.0	Field Sampling	280-86284	09/14/2011 1312
Field Turbidity	0.7		NTU	1.0	Field Sampling	280-86284	09/14/2011 1312
Field Dissolved Oxygen	5.8		mg/L	1.0	Field Sampling	280-86284	09/14/2011 1312
Field EH/ORP	102		millivolts	1.0	Field Sampling	280-86284	09/14/2011 1312

Field Service / Mobile Lab

Client Sample ID: **3406-S05**

Lab Sample ID: 280-20309-4

Client Matrix: Water

Date Sampled: 09/14/2011 1345

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.12		SU	1.0	Field Sampling	280-86284	09/14/2011 1345
Field Conductivity	107		umhos/cm	1.0	Field Sampling	280-86284	09/14/2011 1345
Field Temperature	23.4		Degrees C	1.0	Field Sampling	280-86284	09/14/2011 1345
Field Turbidity	2.1		NTU	1.0	Field Sampling	280-86284	09/14/2011 1345
Field Dissolved Oxygen	4.8		mg/L	1.0	Field Sampling	280-86284	09/14/2011 1345
Field EH/ORP	88.3		millivolts	1.0	Field Sampling	280-86284	09/14/2011 1345

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-20309-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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: 280-20309-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-87941					
LCS 280-87941/4	Lab Control Sample	T	Water	8260B	
MB 280-87941/5	Method Blank	T	Water	8260B	
280-20309-1	3406-S02	T	Water	8260B	
280-20309-1MS	Matrix Spike	T	Water	8260B	
280-20309-1MSD	Matrix Spike Duplicate	T	Water	8260B	
280-20309-2	3406-S03	T	Water	8260B	
280-20309-3	3406-S04	T	Water	8260B	
280-20309-4	3406-S05	T	Water	8260B	
280-20309-5TB	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20309-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-86414					
LCS 280-86414/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86414/1-A	Method Blank	R	Water	3005A	
280-20298-H-3-B MS	Matrix Spike	R	Water	3005A	
280-20298-H-3-C MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20309-1	3406-S02	R	Water	3005A	
280-20309-2	3406-S03	R	Water	3005A	
280-20309-3	3406-S04	R	Water	3005A	
280-20309-4	3406-S05	R	Water	3005A	
Prep Batch: 280-86417					
LCS 280-86417/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86417/1-A	Method Blank	R	Water	3005A	
280-20298-H-3-E MS	Matrix Spike	R	Water	3005A	
280-20298-H-3-F MSD	Matrix Spike Duplicate	R	Water	3005A	
280-20309-1	3406-S02	R	Water	3005A	
280-20309-2	3406-S03	R	Water	3005A	
280-20309-3	3406-S04	R	Water	3005A	
280-20309-4	3406-S05	R	Water	3005A	
Analysis Batch:280-87246					
LCS 280-86417/2-A	Lab Control Sample	R	Water	6010C	280-86417
MB 280-86417/1-A	Method Blank	R	Water	6010C	280-86417
280-20298-H-3-E MS	Matrix Spike	R	Water	6010C	280-86417
280-20298-H-3-F MSD	Matrix Spike Duplicate	R	Water	6010C	280-86417
280-20309-1	3406-S02	R	Water	6010C	280-86417
280-20309-2	3406-S03	R	Water	6010C	280-86417
280-20309-3	3406-S04	R	Water	6010C	280-86417
280-20309-4	3406-S05	R	Water	6010C	280-86417
Analysis Batch:280-87251					
LCS 280-86414/2-A	Lab Control Sample	R	Water	6020A	280-86414
MB 280-86414/1-A	Method Blank	R	Water	6020A	280-86414
280-20298-H-3-B MS	Matrix Spike	R	Water	6020A	280-86414
280-20298-H-3-C MSD	Matrix Spike Duplicate	R	Water	6020A	280-86414
280-20309-1	3406-S02	R	Water	6020A	280-86414
280-20309-2	3406-S03	R	Water	6020A	280-86414
280-20309-3	3406-S04	R	Water	6020A	280-86414
280-20309-4	3406-S05	R	Water	6020A	280-86414

Client: Waste Management

Job Number: 280-20309-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-87458					
LCS 280-86417/2-A	Lab Control Sample	R	Water	6010C	280-86417
MB 280-86417/1-A	Method Blank	R	Water	6010C	280-86417
280-20298-H-3-E MS	Matrix Spike	R	Water	6010C	280-86417
280-20298-H-3-F MSD	Matrix Spike Duplicate	R	Water	6010C	280-86417
280-20309-1	3406-S02	R	Water	6010C	280-86417
280-20309-2	3406-S03	R	Water	6010C	280-86417
280-20309-3	3406-S04	R	Water	6010C	280-86417
280-20309-4	3406-S05	R	Water	6010C	280-86417
Analysis Batch:280-87469					
LCS 280-86414/2-A	Lab Control Sample	R	Water	6020A	280-86414
MB 280-86414/1-A	Method Blank	R	Water	6020A	280-86414
280-20298-H-3-B MS	Matrix Spike	R	Water	6020A	280-86414
280-20298-H-3-C MSD	Matrix Spike Duplicate	R	Water	6020A	280-86414
280-20309-1	3406-S02	R	Water	6020A	280-86414
280-20309-2	3406-S03	R	Water	6020A	280-86414
280-20309-3	3406-S04	R	Water	6020A	280-86414
280-20309-4	3406-S05	R	Water	6020A	280-86414

Report Basis

R = Total Recoverable

Field Service / Mobile Lab					
Analysis Batch:280-86284					
280-20309-1	3406-S02	T	Water	Field Sampling	
280-20309-2	3406-S03	T	Water	Field Sampling	
280-20309-3	3406-S04	T	Water	Field Sampling	
280-20309-4	3406-S05	T	Water	Field Sampling	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20309-1

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
280-20309-1	3406-S02	89	102	100	86
280-20309-2	3406-S03	92	101	102	87
280-20309-3	3406-S04	94	108	105	89
280-20309-4	3406-S05	91	107	108	88
280-20309-5	TRIP BLANK	99	118	115	93
MB 280-87941/5		93	103	102	89
LCS 280-87941/4		90	104	102	86
280-20309-1 MS	3406-S02 MS	94	104	102	87
280-20309-1 MSD	3406-S02 MSD	106	105	108	89

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: 280-20309-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
Leach Date:	N/A				

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
Chloromethane	ND		0.30	1.0
2-Butanone (MEK)	ND		2.0	100

Client: Waste Management

Job Number: 280-20309-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
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)	93	70 - 127
Toluene-d8 (Surr)	103	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	89	77 - 120

Lab Control Sample - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-87941/4	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0212.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1928				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.40	88	77 - 120	
Bromodichloromethane	5.00	4.32	86	78 - 120	
Carbon tetrachloride	5.00	4.84	97	80 - 120	
Chlorobenzene	5.00	4.64	93	78 - 120	
Chloroform	5.00	4.44	89	78 - 120	J
1,1-Dichloroethane	5.00	4.46	89	77 - 120	J
trans-1,2-Dichloroethene	5.00	4.60	92	80 - 120	J
1,1-Dichloroethene	5.00	4.76	95	68 - 133	J
1,2-Dichloropropane	5.00	4.31	86	76 - 120	
Ethylbenzene	5.00	4.99	100	78 - 120	
Methylene Chloride	5.00	4.86	97	60 - 134	
1,3-Dichlorobenzene	5.00	4.64	93	75 - 120	
Tetrachloroethene	5.00	4.89	98	77 - 120	
1,1,1-Trichloroethane	5.00	4.82	96	78 - 120	
Trichloroethene	5.00	4.53	91	78 - 122	
Toluene	5.00	4.42	88	73 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	86	77 - 120

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-1	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0217.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2119			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2119				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20309-1	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0218.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2141			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2141				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	90	94	77 - 120	5	20		
Bromodichloromethane	87	91	78 - 120	6	20		
Carbon tetrachloride	95	98	80 - 120	2	21		
Chlorobenzene	94	98	78 - 120	4	20		
Chloroform	88	94	78 - 120	6	20	J	J
1,1-Dichloroethane	88	94	77 - 120	7	21	J	J
trans-1,2-Dichloroethene	93	96	80 - 120	4	24	J	J
1,1-Dichloroethene	97	100	68 - 133	4	20	J	
1,2-Dichloropropane	86	91	76 - 120	6	20		
Ethylbenzene	94	98	78 - 120	4	26		
Methylene Chloride	82	93	60 - 134	12	20		
1,3-Dichlorobenzene	92	101	75 - 120	9	20		
Tetrachloroethene	89	100	77 - 120	11	20		
1,1,1-Trichloroethane	95	96	78 - 120	2	20		
Trichloroethene	92	96	78 - 122	4	20		
Toluene	89	93	73 - 120	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	106	70 - 127
Toluene-d8 (Surr)	104	105	80 - 125
4-Bromofluorobenzene (Surr)	102	108	78 - 120
Dibromofluoromethane (Surr)	87	89	77 - 120

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-1	Units: ug/L		MSD Lab Sample ID:	280-20309-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/26/2011 2119			Analysis Date:	09/26/2011 2141
Prep Date:	09/26/2011 2119			Prep Date:	09/26/2011 2141
Leach Date:	N/A			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	4.51		4.72	
Bromodichloromethane	ND	5.00	5.00	4.33		4.57	
Carbon tetrachloride	ND	5.00	5.00	4.76		4.88	
Chlorobenzene	ND	5.00	5.00	4.69		4.89	
Chloroform	ND	5.00	5.00	4.42	J	4.71	J
1,1-Dichloroethane	ND	5.00	5.00	4.41	J	4.71	J
trans-1,2-Dichloroethene	ND	5.00	5.00	4.65	J	4.82	J
1,1-Dichloroethene	ND	5.00	5.00	4.84	J	5.02	
1,2-Dichloropropane	ND	5.00	5.00	4.29		4.54	
Ethylbenzene	ND	5.00	5.00	4.68		4.89	
Methylene Chloride	ND	5.00	5.00	4.12		4.66	
1,3-Dichlorobenzene	ND	5.00	5.00	4.59		5.03	
Tetrachloroethene	ND	5.00	5.00	4.45		4.98	
1,1,1-Trichloroethane	ND	5.00	5.00	4.73		4.82	
Trichloroethene	ND	5.00	5.00	4.58		4.78	
Toluene	ND	5.00	5.00	4.45		4.66	

Client: Waste Management

Job Number: 280-20309-1

Method Blank - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86417/1-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 2358	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	2.24	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	ND		1.3	50
Vanadium	ND		1.1	25

Method Blank - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86417/1-A	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1548	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	ND	^	0.93	10

Client: Waste Management

Job Number: 280-20309-1

Lab Control Sample - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86417/2-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0000	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2010	101	90 - 112	
Beryllium	50.0	51.1	102	89 - 113	
Chromium	200	208	104	90 - 113	
Cobalt	500	514	103	89 - 111	
Lead	500	520	104	89 - 110	
Nickel	500	517	103	89 - 111	
Vanadium	500	523	105	90 - 111	

Lab Control Sample - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86417/2-A	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1551	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	50.0	48.9	98	86 - 115	^

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0007			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-H-3-F MSD	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0009			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	90	101	85 - 120	11	20		
Beryllium	89	98	79 - 121	10	20		
Chromium	91	103	73 - 135	11	20		
Cobalt	90	99	82 - 119	10	20		
Lead	90	99	89 - 121	10	20		
Nickel	90	101	84 - 120	10	20		
Vanadium	92	101	85 - 120	10	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1601			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-H-3-F MSD	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1603			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	96	98	75 - 141	2	20	^	^

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/22/2011 0007		
Prep Date:	09/21/2011 0530		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20298-H-3-F MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/22/2011 0009
Prep Date:	09/21/2011 0530
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Barium	260		2000	2000	2050	2280
Beryllium	ND		50.0	50.0	44.5	49.1
Chromium	14		200	200	196	219
Cobalt	6.5	J	500	500	455	502
Lead	2.7	J	500	500	451	497
Nickel	41	J	500	500	494	545
Vanadium	6.3	J	500	500	464	512

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-E MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/22/2011 1601		
Prep Date:	09/21/2011 0530		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20298-H-3-F MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/22/2011 1603
Prep Date:	09/21/2011 0530
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Silver	ND	50.0	50.0	48.1 ^	48.9 ^

Client: Waste Management

Job Number: 280-20309-1

Method Blank - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86414/1-A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	017BLNK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1352	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	0.246	J	0.070	6.0
Arsenic	ND		0.21	10
Copper	ND		0.56	10
Selenium	ND		0.70	10
Thallium	ND		0.020	5.5
Zinc	ND		2.0	10

Method Blank - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86414/1-A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	020BLNK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1317	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cadmium	ND		0.040	1.0

Client: Waste Management

Job Number: 280-20309-1

Lab Control Sample - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86414/2-A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	018_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1355	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	43.3	108	85 - 115	
Arsenic	40.0	44.3	111	85 - 117	
Copper	40.0	46.1	115	85 - 119	
Selenium	40.0	43.4	109	77 - 122	
Thallium	40.0	45.7	114	85 - 118	
Zinc	40.0	47.9	120	83 - 122	

Lab Control Sample - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86414/2-A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	021_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1321	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	40.0	42.8	107	85 - 115	

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-B MS	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	021SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1405			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-H-3-C MSD	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	022SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1409			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	108	103	85 - 115	3	20		
Arsenic	103	99	85 - 115	1	20		
Copper	85	96	85 - 119	4	20		
Selenium	103	95	77 - 122	8	20		
Thallium	102	90	85 - 118	12	20		
Zinc	102	91	83 - 122	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-B MS	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	024SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1331			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-H-3-C MSD	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	025SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1334			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	102	95	85 - 115	6	20		

Client: Waste Management

Job Number: 280-20309-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-B MS	Units:	ug/L	MSD Lab Sample ID:	280-20298-H-3-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1405			Analysis Date:	09/21/2011 1409
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
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	25	40.0	40.0	68.2	66.5
Arsenic	59	40.0	40.0	100	98.9
Copper	71	40.0	40.0	105	110
Selenium	ND	40.0	40.0	41.1	37.8
Thallium	ND	40.0	40.0	40.6	36.1
Zinc	130	40.0	40.0	169	165

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-H-3-B MS	Units:	ug/L	MSD Lab Sample ID:	280-20298-H-3-C MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 1331			Analysis Date:	09/22/2011 1334
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.086	J	40.0	40.0	40.8	38.2

Client: Waste Management

Job Number: 280-20309-1

Laboratory Chronicle

Lab ID: 280-20309-1 **Client ID:** 3406-S02

Sample Date/Time: 09/14/2011 12:55 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-B-1		280-87941		09/26/2011 20:56	1	TAL DEN	TBL
A:8260B	280-20309-B-1		280-87941		09/26/2011 20:56	1	TAL DEN	TBL
P:3005A	280-20309-A-1-B		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-1-B		280-87246	280-86417	09/22/2011 00:23	1	TAL DEN	JKH
P:3005A	280-20309-A-1-B		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-1-B		280-87458	280-86417	09/22/2011 16:17	1	TAL DEN	JKH
P:3005A	280-20309-A-1-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-1-A		280-87251	280-86414	09/21/2011 14:25	1	TAL DEN	LT
P:3005A	280-20309-A-1-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-1-A		280-87469	280-86414	09/22/2011 13:54	1	TAL DEN	LT
A:Field Sampling	280-20309-A-1		280-86284		09/14/2011 12:55	1	TAL DEN	FS

Lab ID: 280-20309-1 MS **Client ID:** 3406-S02

Sample Date/Time: 09/14/2011 12:55 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL

Lab ID: 280-20309-1 MSD **Client ID:** 3406-S02

Sample Date/Time: 09/14/2011 12:55 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL

Lab ID: 280-20309-2 **Client ID:** 3406-S03

Sample Date/Time: 09/14/2011 13:28 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-C-2		280-87941		09/26/2011 22:47	1	TAL DEN	TBL
A:8260B	280-20309-C-2		280-87941		09/26/2011 22:47	1	TAL DEN	TBL
P:3005A	280-20309-A-2-B		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-2-B		280-87246	280-86417	09/22/2011 00:25	1	TAL DEN	JKH
P:3005A	280-20309-A-2-B		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-2-B		280-87458	280-86417	09/22/2011 16:19	1	TAL DEN	JKH
P:3005A	280-20309-A-2-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-2-A		280-87251	280-86414	09/21/2011 14:28	1	TAL DEN	LT
P:3005A	280-20309-A-2-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-2-A		280-87469	280-86414	09/22/2011 13:57	1	TAL DEN	LT
A:Field Sampling	280-20309-A-2		280-86284		09/14/2011 13:28	1	TAL DEN	FS

Client: Waste Management

Job Number: 280-20309-1

Laboratory Chronicle

Lab ID: **280-20309-3** **Client ID:** **3406-S04**

Sample Date/Time: 09/14/2011 13:12 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-C-3		280-87941		09/26/2011 23:09	1	TAL DEN	TBL
A:8260B	280-20309-C-3		280-87941		09/26/2011 23:09	1	TAL DEN	TBL
P:3005A	280-20309-A-3-B		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-3-B		280-87246	280-86417	09/22/2011 00:27	1	TAL DEN	JKH
P:3005A	280-20309-A-3-B		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-3-B		280-87458	280-86417	09/22/2011 16:22	1	TAL DEN	JKH
P:3005A	280-20309-A-3-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-3-A		280-87251	280-86414	09/21/2011 14:32	1	TAL DEN	LT
P:3005A	280-20309-A-3-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-3-A		280-87469	280-86414	09/22/2011 14:00	1	TAL DEN	LT
A:Field Sampling	280-20309-A-3		280-86284		09/14/2011 13:12	1	TAL DEN	FS

Lab ID: **280-20309-4** **Client ID:** **3406-S05**

Sample Date/Time: 09/14/2011 13:45 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-C-4		280-87941		09/26/2011 23:31	1	TAL DEN	TBL
A:8260B	280-20309-C-4		280-87941		09/26/2011 23:31	1	TAL DEN	TBL
P:3005A	280-20309-A-4-B		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-4-B		280-87246	280-86417	09/22/2011 00:30	1	TAL DEN	JKH
P:3005A	280-20309-A-4-B		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20309-A-4-B		280-87458	280-86417	09/22/2011 16:24	1	TAL DEN	JKH
P:3005A	280-20309-A-4-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-4-A		280-87251	280-86414	09/21/2011 14:35	1	TAL DEN	LT
P:3005A	280-20309-A-4-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20309-A-4-A		280-87469	280-86414	09/22/2011 14:04	1	TAL DEN	LT
A:Field Sampling	280-20309-A-4		280-86284		09/14/2011 13:45	1	TAL DEN	FS

Lab ID: **280-20309-5** **Client ID:** **TRIP BLANK**

Sample Date/Time: 09/14/2011 12:55 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20309-A-5		280-87941		09/26/2011 23:53	1	TAL DEN	TBL
A:8260B	280-20309-A-5		280-87941		09/26/2011 23:53	1	TAL DEN	TBL

Client: Waste Management

Job Number: 280-20309-1

Laboratory Chronicle

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 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
A:8260B	MB 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
P:3005A	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 23:58	1	TAL DEN	JKH
P:3005A	MB 280-86417/1-A		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86417/1-A		280-87458	280-86417	09/22/2011 15:48	1	TAL DEN	JKH
P:3005A	MB 280-86414/1-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	MB 280-86414/1-A		280-87251	280-86414	09/21/2011 13:52	1	TAL DEN	LT
P:3005A	MB 280-86414/1-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	MB 280-86414/1-A		280-87469	280-86414	09/22/2011 13:17	1	TAL DEN	LT

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 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
A:8260B	LCS 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
P:3005A	LCS 280-86417/2-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86417/2-A		280-87246	280-86417	09/22/2011 00:00	1	TAL DEN	JKH
P:3005A	LCS 280-86417/2-A		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86417/2-A		280-87458	280-86417	09/22/2011 15:51	1	TAL DEN	JKH
P:3005A	LCS 280-86414/2-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	LCS 280-86414/2-A		280-87251	280-86414	09/21/2011 13:55	1	TAL DEN	LT
P:3005A	LCS 280-86414/2-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	LCS 280-86414/2-A		280-87469	280-86414	09/22/2011 13:21	1	TAL DEN	LT

Lab ID: **MS** **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:3005A	280-20298-H-3-E MS		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-E MS		280-87246	280-86417	09/22/2011 00:07	1	TAL DEN	JKH
P:3005A	280-20298-H-3-E MS		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-E MS		280-87458	280-86417	09/22/2011 16:01	1	TAL DEN	JKH
P:3005A	280-20298-H-3-B MS		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-B MS		280-87251	280-86414	09/21/2011 14:05	1	TAL DEN	LT
P:3005A	280-20298-H-3-B MS		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-B MS		280-87469	280-86414	09/22/2011 13:31	1	TAL DEN	LT

Client: Waste Management

Job Number: 280-20309-1

Laboratory Chronicle

Lab ID: **MSD** **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:3005A	280-20298-H-3-F MSD		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-F MSD		280-87246	280-86417	09/22/2011 00:09	1	TAL DEN	JKH
P:3005A	280-20298-H-3-F MSD		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-F MSD		280-87458	280-86417	09/22/2011 16:03	1	TAL DEN	JKH
P:3005A	280-20298-H-3-C MSD		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-C MSD		280-87251	280-86414	09/21/2011 14:09	1	TAL DEN	LT
P:3005A	280-20298-H-3-C MSD		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-C MSD		280-87469	280-86414	09/22/2011 13:34	1	TAL DEN	LT

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 4.5 DM1 mr 9/15

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
WM	AL LAKSAMANA	9-14-11	133471
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 1 of 1

City	State	Zip Code	Site Contact	Lab Contact
	NC			Betsy Sara

Project Name and Location (State): 134 Piedmont

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 28003156-SA Surface Water Mar Sep

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: Total Metals	82608										Special Instructions/ Conditions of Receipt
S02	9-14	1255		X						1	3				1	3										
S03	9-14	1328		X						1	3				1	3										
S04	9-14	1312		X						1	3				1	3										
S05	9-14	1345		X						1	3				1	3										
TRIP	9-14	—		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	9-14-11	1630	1. Received By	9/15/11	0980
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
091411	1255	—	—	—	—

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) ____ (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 ____
091411	699	127	27	08	57	844	

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: ____ Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: CALM Outlook: CLEAR, 80°F Precipitation: Y or (N)

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

SAMPLE POINT LOCATED AT BEND IN FREEMAN ROAD NORTH OF LANDFILL.

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
09/14/11	BEN RAMSEAUAN	Ben Ramseauan	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
091411	1328	—	—	—	—

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

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

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
091411	7.06	104	23.0	05	5.5	828	

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: CLEAR 82°F Precipitation: Y or (N)

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

SAMPLE POINT LOCATED AT POINT WHERE CREEK CROSSES WATER OAK ROAD, EAST OF LANDFILL.

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
09/14/11	BEN RAMYEAUSAN	Ben Ramyeausan	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
091411	1312	—	—	—	—

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: E — 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)	(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 ____
091411	6.70	0154	21.8	07	5.8	102	

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: CLEAR, 80°F Precipitation: Y or (N)

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

FIELD COMMENTS

SAMPLE POINT LOCATED BEHIND MW-12 AWAY FROM LANDFILL.

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
09/14/11	BEN RAMGEAWAN	Ben Ramgeawan	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
091411	1345	—	—	—	—

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)	/ (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 ____
091411	7.12	107	23.4	21	4.8	883	

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: CLEAR 82°F Precipitation: Y or (N)

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

FIELD COMMENTS

SAMPLE POINT LOCATED AT HAPPY HILL ROAD WHERE CREEK CROSSES ROAD SOUTH OF LANDFILL

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
09/14/11	BEN RAMJEAWAN	Ben Ramjeawan	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: 280-20309-1

Login Number: 20309

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	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.	True	

ANALYTICAL REPORT

Job Number: 280-20298-1

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
9/29/2011 11:58 AM

Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
09/29/2011

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: 280-20298-1

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 09/15/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.9 C.

Holding Times

The holding times were within established control limits.

Method Blanks

Total Barium, Total Iron, Total Manganese, Total Sodium Method 6010C, Total Antimony Method 6020A and Total Organic Carbon Method 5310B 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)

Sample 3406-T01 was selected to fulfill the laboratory batch quality control requirements for Method 6010C. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Manganese and Total Potassium above the upper control limits indicating the possible presence of a matrix interference.

The percent recoveries and/or the relative percent difference of the MS/MSD performed on sample 3406-T01 were outside control limits for Total Sodium during Method 6010C because the sample concentration was greater than four times the spike amount.

The Matrix Spike and Matrix Spike Duplicate performed on a sample from another client exhibited recoveries outside control limits for Ammonia Method 350.1. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

Sample 3406-T01 was selected to fulfill the laboratory batch quality control requirements for Method 5310B. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Organic Carbon (TOC) below the lower control limits indicating the possible presence of a matrix interference.

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

Sample Duplicate

The RPD for Total Suspended Solids Method 2540D performed on sample 3406-T01 was outside control limits. Because all other QC and calibration criteria were met no corrective action was needed.

Organics

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

Metals

The Method 6010C CCVL for Total Silver recovered above the upper control limit. The sample associated with this CCVL was non-detect for Total Silver; therefore, the data have been reported.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-20298-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-20298-3	**3406-T01**					
Ethylbenzene		8.1	J	200	ug/L	8260B
Field pH		7.15			SU	Field Sampling
Field Conductivity		4128			umhos/cm	Field Sampling
Field Temperature		21.6			Degrees C	Field Sampling
Field Turbidity		3.5			NTU	Field Sampling
Field Dissolved Oxygen		2.8			mg/L	Field Sampling
Field EH/ORP		-157.0			millivolts	Field Sampling
Chloride		380		3.0	mg/L	300.0
Ammonia		390		2.0	mg/L	350.1
Phosphorus, Total		0.58		0.050	mg/L	365.1
Chemical Oxygen Demand		180	J	500	mg/L	410.4
Total Alkalinity		1600		5.0	mg/L	SM 2320B
Bicarbonate Alkalinity as CaCO3		1600		5.0	mg/L	SM 2320B
Total Dissolved Solids		1100		20	mg/L	SM 2540C
Total Suspended Solids		6.8		4.0	mg/L	SM 2540D
Total Organic Carbon - Average		81	B	2.0	mg/L	SM 5310B
Biochemical Oxygen Demand		18	J	25	mg/L	SM5210B
Total Recoverable						
Barium		260	B	100	ug/L	6010C
Chromium		14		10	ug/L	6010C
Cobalt		6.5	J	10	ug/L	6010C
Calcium		23000		200	ug/L	6010C
Copper		150		15	ug/L	6010C
Lead		2.7	J	10	ug/L	6010C
Nickel		41	J	50	ug/L	6010C
Iron		1800	B	100	ug/L	6010C
Zinc		120		20	ug/L	6010C
Vanadium		6.3	J	25	ug/L	6010C
Magnesium		13000		200	ug/L	6010C
Manganese		650	B	10	ug/L	6010C
Potassium		61000		3000	ug/L	6010C
Sodium		200000	B	5000	ug/L	6010C
Antimony		25	B	2.0	ug/L	6020A
Arsenic		59		5.0	ug/L	6020A
Cadmium		0.086	J	1.0	ug/L	6020A

METHOD SUMMARY

Client: Waste Management

Job Number: 280-20298-1

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			SW846 3005A
Metals (ICP/MS)	TAL DEN	SW846 6020A	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury			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			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: 280-20298-1

Method	Analyst	Analyst ID
SW846 8260B	Lipan, Troy B	TBL
SW846 6010C	Harre, John K	JKH
SW846 6020A	Trudell, Lynn-Anne	LT
SW846 7470A	Rawlings, Brendon L	BLR
EPA Field Sampling	Field, Sampler	FS
MCAWW 300.0	Kudla, Ewa	EK
MCAWW 350.1	Scott, Samantha J	SJS
EPA 365.1	Scott, Samantha J	SJS
MCAWW 410.4	Taylor, Juli M	JMT
SM Nitrate by calc	Sullivan, Roxanne	RS
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM 2540D	Gheorghe, Philip A	PAG
SM SM 5310B	Yates, George E	GEY
SM SM5210B	Ayala, Delaina	DA

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-20298-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-20298-3	3406-T01	Water	09/14/2011 1300	09/15/2011 0930
280-20298-4TB	TRIP BLANK	Water	09/14/2011 1300	09/15/2011 0930

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-20298-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0219.D
Dilution:	1.0			Initial Weight/Volume:	0.5 mL
Analysis Date:	09/26/2011 2203			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		76	4000
Acrylonitrile	ND		56	8000
Benzene	ND		6.4	120
Bromochloromethane	ND		4.0	120
Bromodichloromethane	ND		6.8	120
Bromoform	ND		7.6	120
Bromomethane	ND		8.4	400
2-Butanone (MEK)	ND		80	4000
Carbon disulfide	ND		18	4000
Carbon tetrachloride	ND		7.6	220
Chlorobenzene	ND		6.8	120
Dibromochloromethane	ND		6.8	120
Chloroethane	ND		16	400
Chloroform	ND		6.4	200
Chloromethane	ND		12	220
1,2-Dibromo-3-Chloropropane	ND		19	520
Dibromomethane	ND		6.8	400
1,2-Dichlorobenzene	ND		6.0	400
1,4-Dichlorobenzene	ND		6.4	120
trans-1,4-Dichloro-2-butene	ND		32	4000
1,1-Dichloroethane	ND		8.8	200
1,2-Dichloroethane	ND		5.2	120
cis-1,2-Dichloroethene	ND		6.0	200
trans-1,2-Dichloroethene	ND		6.0	200
1,1-Dichloroethene	ND		9.2	200
1,2-Dichloropropane	ND		7.2	120
cis-1,3-Dichloropropene	ND		6.4	220
trans-1,3-Dichloropropene	ND		7.6	220
Ethylbenzene	8.1	J	6.4	200
2-Hexanone	ND		68	2000
Iodomethane	ND		9.2	400
Methylene Chloride	ND		13	220
4-Methyl-2-pentanone (MIBK)	ND		39	4000
Styrene	ND		6.8	400
1,1,1,2-Tetrachloroethane	ND		8.4	200
1,1,2,2-Tetrachloroethane	ND		8.4	120
Tetrachloroethene	ND		8.0	120
Toluene	ND		6.8	200
1,1,1-Trichloroethane	ND		6.4	200
1,1,2-Trichloroethane	ND		11	200
Trichloroethene	ND		6.4	120
Trichlorofluoromethane	ND		12	200
1,2,3-Trichloropropane	ND		13	320
Vinyl acetate	ND		38	2000
Vinyl chloride	ND		4.0	220
Xylenes, Total	ND		7.6	160

Client: Waste Management

Job Number: 280-20298-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0219.D
Dilution:	1.0			Initial Weight/Volume:	0.5 mL
Analysis Date:	09/26/2011 2203			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		7.2	120

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	83		77 - 120

Client: Waste Management

Job Number: 280-20298-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20298-4TB

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2012			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2012				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		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: 280-20298-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 280-20298-4TB

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR0214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2012			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2012				

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)	83		70 - 127
Toluene-d8 (Surr)	109		80 - 125
4-Bromofluorobenzene (Surr)	109		78 - 120
Dibromofluoromethane (Surr)	84		77 - 120

Client: Waste Management

Job Number: 280-20298-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	280-87246	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0003			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	260	B	0.58	100
Chromium	14		0.66	10
Cobalt	6.5	J	1.2	10
Calcium	23000		35	200
Copper	150		1.4	15
Lead	2.7	J	2.6	10
Nickel	41	J	1.3	50
Iron	1800	B	22	100
Zinc	120		4.5	20
Vanadium	6.3	J	1.1	25
Magnesium	13000		11	200
Manganese	650	B	0.25	10
Potassium	61000		240	3000
Sodium	200000	B	92	5000

Analysis Method:	6010C	Analysis Batch:	280-87458	Instrument ID:	MT_025
Prep Method:	3005A	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1556			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Selenium	ND		4.9	15
Silver	ND	^	0.93	10

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	019SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1359			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	25	B	0.070	2.0
Arsenic	59		0.21	5.0
Beryllium	ND		0.080	1.0
Thallium	ND		0.020	1.0

Client: Waste Management

Job Number: 280-20298-1

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

6020A Metals (ICP/MS)-Total Recoverable

Analysis Method:	6020A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Prep Method:	3005A	Prep Batch:	280-86414	Lab File ID:	022SMPL.D
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1324			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	0.086	J	0.040	1.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1827			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				

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

General Chemistry

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3 Date Sampled: 09/14/2011 1300
Client Matrix: Water Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	380		mg/L	2.5	3.0	10	300.0
Analysis Batch: 280-87361	Analysis Date: 09/22/2011 0118						
Sulfate	ND		mg/L	0.46	10	2.0	300.0
Analysis Batch: 280-87361	Analysis Date: 09/21/2011 1859						
Ammonia	390		mg/L	1.1	2.0	50	350.1
Analysis Batch: 280-87407	Analysis Date: 09/22/2011 1441						
Phosphorus, Total	0.58		mg/L	0.0050	0.050	1.0	365.1
Analysis Batch: 280-87603	Analysis Date: 09/23/2011 1357						
Prep Batch: 280-87509	Prep Date: 09/23/2011 1046						
Chemical Oxygen Demand	180	J	mg/L	41	500	10	410.4
Analysis Batch: 280-86894	Analysis Date: 09/20/2011 0944						
Nitrate as N	ND		mg/L	0.019	0.50	1.0	Nitrate by calc
Analysis Batch: 280-87772	Analysis Date: 09/26/2011 0745						
Total Alkalinity	1600		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1716						
Bicarbonate Alkalinity as CaCO3	1600		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1716						
Carbonate Alkalinity as CaCO3	ND		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-87055	Analysis Date: 09/20/2011 1716						
Total Dissolved Solids	1100		mg/L	9.4	20	1.0	SM 2540C
Analysis Batch: 280-86920	Analysis Date: 09/20/2011 1045						
Total Suspended Solids	6.8		mg/L	1.1	4.0	1.0	SM 2540D
Analysis Batch: 280-87015	Analysis Date: 09/20/2011 1614						
Total Organic Carbon - Average	81	B	mg/L	0.31	2.0	2.0	SM 5310B
Analysis Batch: 280-87135	Analysis Date: 09/20/2011 2124						
Biochemical Oxygen Demand	18	J	mg/L	3.0	25	5.0	SM5210B
Analysis Batch: 280-86382	Analysis Date: 09/16/2011 0912						

Field Service / Mobile Lab

Client Sample ID: **3406-T01**

Lab Sample ID: 280-20298-3

Client Matrix: Water

Date Sampled: 09/14/2011 1300

Date Received: 09/15/2011 0930

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.15		SU	1.0	Field Sampling	280-86246	09/14/2011 1300
Field Conductivity	4128		umhos/cm	1.0	Field Sampling	280-86246	09/14/2011 1300
Field Temperature	21.6		Degrees C	1.0	Field Sampling	280-86246	09/14/2011 1300
Field Turbidity	3.5		NTU	1.0	Field Sampling	280-86246	09/14/2011 1300
Field Dissolved Oxygen	2.8		mg/L	1.0	Field Sampling	280-86246	09/14/2011 1300
Field EH/ORP	-157.0		millivolts	1.0	Field Sampling	280-86246	09/14/2011 1300

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-20298-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	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: 280-20298-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-87941					
LCS 280-87941/4	Lab Control Sample	T	Water	8260B	
MB 280-87941/5	Method Blank	T	Water	8260B	
280-20298-3	3406-T01	T	Water	8260B	
280-20298-4TB	TRIP BLANK	T	Water	8260B	
280-20309-D-1 MS	Matrix Spike	T	Water	8260B	
280-20309-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20298-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-86414					
LCS 280-86414/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86414/1-A	Method Blank	R	Water	3005A	
280-20298-3	3406-T01	R	Water	3005A	
280-20298-3MS	Matrix Spike	R	Water	3005A	
280-20298-3MSD	Matrix Spike Duplicate	R	Water	3005A	
Prep Batch: 280-86417					
LCS 280-86417/2-A	Lab Control Sample	R	Water	3005A	
MB 280-86417/1-A	Method Blank	R	Water	3005A	
280-20298-3	3406-T01	R	Water	3005A	
280-20298-3MS	Matrix Spike	R	Water	3005A	
280-20298-3MSD	Matrix Spike Duplicate	R	Water	3005A	
Prep Batch: 280-86442					
LCS 280-86442/2-A	Lab Control Sample	T	Water	7470A	
LCSD 280-86442/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 280-86442/1-A	Method Blank	T	Water	7470A	
280-20298-3	3406-T01	T	Water	7470A	
280-20338-A-1-B MS	Matrix Spike	T	Water	7470A	
280-20338-A-1-C MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:280-87246					
LCS 280-86417/2-A	Lab Control Sample	R	Water	6010C	280-86417
MB 280-86417/1-A	Method Blank	R	Water	6010C	280-86417
280-20298-3	3406-T01	R	Water	6010C	280-86417
280-20298-3MS	Matrix Spike	R	Water	6010C	280-86417
280-20298-3MSD	Matrix Spike Duplicate	R	Water	6010C	280-86417
Analysis Batch:280-87251					
LCS 280-86414/2-A	Lab Control Sample	R	Water	6020A	280-86414
MB 280-86414/1-A	Method Blank	R	Water	6020A	280-86414
280-20298-3	3406-T01	R	Water	6020A	280-86414
280-20298-3MS	Matrix Spike	R	Water	6020A	280-86414
280-20298-3MSD	Matrix Spike Duplicate	R	Water	6020A	280-86414
Analysis Batch:280-87308					
LCS 280-86442/2-A	Lab Control Sample	T	Water	7470A	280-86442
LCSD 280-86442/3-A	Lab Control Sample Duplicate	T	Water	7470A	280-86442
MB 280-86442/1-A	Method Blank	T	Water	7470A	280-86442
280-20298-3	3406-T01	T	Water	7470A	280-86442
280-20338-A-1-B MS	Matrix Spike	T	Water	7470A	280-86442
280-20338-A-1-C MSD	Matrix Spike Duplicate	T	Water	7470A	280-86442

Client: Waste Management

Job Number: 280-20298-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-87458					
LCS 280-86417/2-A	Lab Control Sample	R	Water	6010C	280-86417
MB 280-86417/1-A	Method Blank	R	Water	6010C	280-86417
280-20298-3	3406-T01	R	Water	6010C	280-86417
280-20298-3MS	Matrix Spike	R	Water	6010C	280-86417
280-20298-3MSD	Matrix Spike Duplicate	R	Water	6010C	280-86417
Analysis Batch:280-87469					
LCS 280-86414/2-A	Lab Control Sample	R	Water	6020A	280-86414
MB 280-86414/1-A	Method Blank	R	Water	6020A	280-86414
280-20298-3	3406-T01	R	Water	6020A	280-86414
280-20298-3MS	Matrix Spike	R	Water	6020A	280-86414
280-20298-3MSD	Matrix Spike Duplicate	R	Water	6020A	280-86414

Report Basis

R = Total Recoverable

T = Total

Field Service / Mobile Lab					
Analysis Batch:280-86246					
280-20298-3	3406-T01	T	Water	Field Sampling	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20298-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-86382					
LCS 280-86382/3	Lab Control Sample	T	Water	SM5210B	
LCSD 280-86382/4	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-86382/6	Method Blank	T	Water	SM5210B	
280-20298-3	3406-T01	T	Water	SM5210B	
280-20321-G-5 DU	Duplicate	T	Water	SM5210B	
Analysis Batch:280-86894					
LCS 280-86894/3	Lab Control Sample	T	Water	410.4	
LCSD 280-86894/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-86894/5	Method Blank	T	Water	410.4	
280-20298-3	3406-T01	T	Water	410.4	
280-20352-F-4 MSD	Matrix Spike Duplicate	T	Water	410.4	
280-20376-B-1 MS	Matrix Spike	T	Water	410.4	
280-20376-B-1 MSD	Matrix Spike Duplicate	T	Water	410.4	
Analysis Batch:280-86920					
LCS 280-86920/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-86920/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-86920/1	Method Blank	T	Water	SM 2540C	
280-20287-D-4 DU	Duplicate	T	Water	SM 2540C	
280-20298-3	3406-T01	T	Water	SM 2540C	
Analysis Batch:280-87015					
LCS 280-87015/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 280-87015/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 280-87015/1	Method Blank	T	Water	SM 2540D	
280-20298-3	3406-T01	T	Water	SM 2540D	
280-20298-3DU	Duplicate	T	Water	SM 2540D	
Analysis Batch:280-87055					
LCS 280-87055/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-87055/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-87055/33	Method Blank	T	Water	SM 2320B	
280-20286-C-2 DU	Duplicate	T	Water	SM 2320B	
280-20298-3	3406-T01	T	Water	SM 2320B	
Analysis Batch:280-87135					
LCS 280-87135/3	Lab Control Sample	T	Water	SM 5310B	
LCSD 280-87135/4	Lab Control Sample Duplicate	T	Water	SM 5310B	
MB 280-87135/5	Method Blank	T	Water	SM 5310B	
280-20298-3	3406-T01	T	Water	SM 5310B	
280-20298-3DU	Duplicate	T	Water	SM 5310B	
280-20298-3MS	Matrix Spike	T	Water	SM 5310B	
280-20298-3MSD	Matrix Spike Duplicate	T	Water	SM 5310B	

Client: Waste Management

Job Number: 280-20298-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-87361					
LCS 280-87361/4	Lab Control Sample	T	Water	300.0	
LCSD 280-87361/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-87361/6	Method Blank	T	Water	300.0	
280-20286-D-4 DU	Duplicate	T	Water	300.0	
280-20286-D-4 MS	Matrix Spike	T	Water	300.0	
280-20286-D-4 MSD	Matrix Spike Duplicate	T	Water	300.0	
280-20298-3	3406-T01	T	Water	300.0	
280-20299-C-1 MS	Matrix Spike	T	Water	300.0	
280-20299-C-1 MSD	Matrix Spike Duplicate	T	Water	300.0	
280-20311-C-9 DU	Duplicate	T	Water	300.0	
Analysis Batch:280-87407					
LCS 280-87407/81	Lab Control Sample	T	Water	350.1	
LCSD 280-87407/82	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-87407/80	Method Blank	T	Water	350.1	
280-20166-P-2 MS	Matrix Spike	T	Water	350.1	
280-20166-P-2 MSD	Matrix Spike Duplicate	T	Water	350.1	
280-20298-3	3406-T01	T	Water	350.1	
Prep Batch: 280-87509					
LCS 280-87509/2-A	Lab Control Sample	T	Water	365.2/365.3/365	
LCSD 280-87509/3-A	Lab Control Sample Duplicate	T	Water	365.2/365.3/365	
MB 280-87509/1-A	Method Blank	T	Water	365.2/365.3/365	
280-20298-3	3406-T01	T	Water	365.2/365.3/365	
280-20390-B-3-C MS	Matrix Spike	T	Water	365.2/365.3/365	
280-20390-B-3-D MSD	Matrix Spike Duplicate	T	Water	365.2/365.3/365	
Analysis Batch:280-87603					
LCS 280-87509/2-A	Lab Control Sample	T	Water	365.1	280-87509
LCSD 280-87509/3-A	Lab Control Sample Duplicate	T	Water	365.1	280-87509
MB 280-87509/1-A	Method Blank	T	Water	365.1	280-87509
280-20298-3	3406-T01	T	Water	365.1	280-87509
280-20390-B-3-C MS	Matrix Spike	T	Water	365.1	280-87509
280-20390-B-3-D MSD	Matrix Spike Duplicate	T	Water	365.1	280-87509
Analysis Batch:280-87772					
MB 280-87772/2	Method Blank	T	Water	Nitrate by calc	
280-20298-3	3406-T01	T	Water	Nitrate by calc	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-20298-1

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
280-20298-3	3406-T01	87	103	103	83
280-20298-4	TRIP BLANK	83	109	109	84
MB 280-87941/5		93	103	102	89
LCS 280-87941/4		90	104	102	86
280-20309-D-1 MS		94	104	102	87
280-20309-D-1 MSD		106	105	108	89

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: 280-20298-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		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

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-87941/5	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0213.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.19	4.0
1,2-Dibromoethane	ND		0.18	3.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	70 - 127
Toluene-d8 (Surr)	103	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	89	77 - 120

Lab Control Sample - Batch: 280-87941

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-87941/4	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0212.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 1928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 1928				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.40	88	77 - 120	
Bromodichloromethane	5.00	4.32	86	78 - 120	
Carbon tetrachloride	5.00	4.84	97	80 - 120	J
Chlorobenzene	5.00	4.64	93	78 - 120	
Chloroform	5.00	4.44	89	78 - 120	J
1,3-Dichlorobenzene	5.00	4.64	93	75 - 120	
1,1-Dichloroethane	5.00	4.46	89	77 - 120	J
trans-1,2-Dichloroethene	5.00	4.60	92	80 - 120	J
1,1-Dichloroethene	5.00	4.76	95	68 - 133	J
1,2-Dichloropropane	5.00	4.31	86	76 - 120	
Ethylbenzene	5.00	4.99	100	78 - 120	J
Methylene Chloride	5.00	4.86	97	60 - 134	J
Tetrachloroethene	5.00	4.89	98	77 - 120	
Toluene	5.00	4.42	88	73 - 120	J
1,1,1-Trichloroethane	5.00	4.82	96	78 - 120	J
Trichloroethene	5.00	4.53	91	78 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	102	78 - 120
Dibromofluoromethane (Surr)	86	77 - 120

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-D-1 MS	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0217.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2119			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2119				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20309-D-1 MSD	Analysis Batch:	280-87941	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR0218.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2011 2141			Final Weight/Volume:	20 mL
Prep Date:	09/26/2011 2141				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	90	94	77 - 120	5	20		
Bromodichloromethane	87	91	78 - 120	6	20		
Carbon tetrachloride	95	98	80 - 120	2	21	J	J
Chlorobenzene	94	98	78 - 120	4	20		
Chloroform	88	94	78 - 120	6	20	J	J
1,3-Dichlorobenzene	92	101	75 - 120	9	20		
1,1-Dichloroethane	88	94	77 - 120	7	21	J	J
trans-1,2-Dichloroethene	93	96	80 - 120	4	24	J	J
1,1-Dichloroethene	97	100	68 - 133	4	20	J	
1,2-Dichloropropane	86	91	76 - 120	6	20		
Ethylbenzene	94	98	78 - 120	4	26	J	J
Methylene Chloride	82	93	60 - 134	12	20	J	J
Tetrachloroethene	89	100	77 - 120	11	20		
Toluene	89	93	73 - 120	4	20	J	J
1,1,1-Trichloroethane	95	96	78 - 120	2	20	J	J
Trichloroethene	92	96	78 - 122	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	106	70 - 127
Toluene-d8 (Surr)	104	105	80 - 125
4-Bromofluorobenzene (Surr)	102	108	78 - 120
Dibromofluoromethane (Surr)	87	89	77 - 120

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87941

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-20309-D-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/26/2011 2119		
Prep Date:	09/26/2011 2119		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20309-D-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/26/2011 2141
Prep Date:	09/26/2011 2141
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	4.51		4.72	
Bromodichloromethane	ND	5.00	5.00	4.33		4.57	
Carbon tetrachloride	ND	5.00	5.00	4.76	J	4.88	J
Chlorobenzene	ND	5.00	5.00	4.69		4.89	
Chloroform	ND	5.00	5.00	4.42	J	4.71	J
1,3-Dichlorobenzene	ND	5.00	5.00	4.59		5.03	
1,1-Dichloroethane	ND	5.00	5.00	4.41	J	4.71	J
trans-1,2-Dichloroethene	ND	5.00	5.00	4.65	J	4.82	J
1,1-Dichloroethene	ND	5.00	5.00	4.84	J	5.02	
1,2-Dichloropropane	ND	5.00	5.00	4.29		4.54	
Ethylbenzene	ND	5.00	5.00	4.68	J	4.89	J
Methylene Chloride	ND	5.00	5.00	4.12	J	4.66	J
Tetrachloroethene	ND	5.00	5.00	4.45		4.98	
Toluene	ND	5.00	5.00	4.45	J	4.66	J
1,1,1-Trichloroethane	ND	5.00	5.00	4.73	J	4.82	J
Trichloroethene	ND	5.00	5.00	4.58		4.78	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86417/1-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 2358	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	2.24	J	0.58	100
Chromium	ND		0.66	10
Cobalt	ND		1.2	10
Calcium	ND		35	200
Copper	ND		1.4	15
Lead	ND		2.6	10
Nickel	ND		1.3	50
Iron	54.0	J	22	100
Zinc	ND		4.5	20
Vanadium	ND		1.1	25
Magnesium	ND		11	200
Manganese	0.640	J	0.25	10
Potassium	ND		240	3000
Sodium	106	J	92	5000

Method Blank - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86417/1-A	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1548	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Selenium	ND		4.9	15
Silver	ND	^	0.93	10

Client: Waste Management

Job Number: 280-20298-1

Lab Control Sample - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86417/2-A	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0000	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	2000	2010	101	90 - 112	
Chromium	200	208	104	90 - 113	
Cobalt	500	514	103	89 - 111	
Calcium	50000	51100	102	90 - 111	
Copper	250	254	102	86 - 112	
Lead	500	520	104	89 - 110	
Nickel	500	517	103	89 - 111	
Iron	1000	1010	101	89 - 115	
Zinc	500	541	108	85 - 111	
Vanadium	500	523	105	90 - 111	
Magnesium	50000	52900	106	90 - 113	
Manganese	500	519	104	90 - 110	
Potassium	50000	52200	104	89 - 114	
Sodium	50000	52500	105	90 - 115	

Lab Control Sample - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86417/2-A	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1551	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	2000	2110	105	85 - 112	
Silver	50.0	48.9	98	86 - 115	^

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0007			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-3	Analysis Batch:	280-87246	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A5092111.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 0009			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	90	101	85 - 120	11	20		
Chromium	91	103	73 - 135	11	20		
Cobalt	90	99	82 - 119	10	20		
Calcium	94	110	48 - 153	11	20		
Copper	98	115	82 - 129	10	20		
Lead	90	99	89 - 121	10	20		
Nickel	90	101	84 - 120	10	20		
Iron	108	149	52 - 155	13	20		
Zinc	95	108	60 - 137	11	20		
Vanadium	92	101	85 - 120	10	20		
Magnesium	93	107	62 - 146	11	20		
Manganese	103	134	79 - 121	13	20		F
Potassium	105	136	76 - 132	13	20		F
Sodium	139	215	70 - 203	13	20	4	4

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1601			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-3	Analysis Batch:	280-87458	Instrument ID:	MT_025
Client Matrix:	Water	Prep Batch:	280-86417	Lab File ID:	25A2092211.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1603			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Selenium	102	106	71 - 140	3	20		
Silver	96	98	75 - 141	2	20	^	^

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Units:	ug/L	MSD Lab Sample ID:	280-20298-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 0007			Analysis Date:	09/22/2011 0009
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
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	260		2000	2000	2050		2280	
Chromium	14		200	200	196		219	
Cobalt	6.5	J	500	500	455		502	
Calcium	23000		50000	50000	69600		77700	
Copper	150		250	250	393		434	
Lead	2.7	J	500	500	451		497	
Nickel	41	J	500	500	494		545	
Iron	1800		1000	1000	2890		3290	
Zinc	120		500	500	592		658	
Vanadium	6.3	J	500	500	464		512	
Magnesium	13000		50000	50000	60200		67200	
Manganese	650		500	500	1170		1320	F
Potassium	61000		50000	50000	113000		128000	F
Sodium	200000		50000	50000	271000	4	309000	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86417

Method: 6010C
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Units:	ug/L	MSD Lab Sample ID:	280-20298-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 1601			Analysis Date:	09/22/2011 1603
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Selenium	ND	2000	2000	2040		2110	
Silver	ND	50.0	50.0	48.1	^	48.9	^

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86414/1-A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	017BLNK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1352	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Antimony	0.246	J	0.070	2.0
Arsenic	ND		0.21	5.0
Beryllium	ND		0.080	1.0
Thallium	ND		0.020	1.0

Method Blank - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 280-86414/1-A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	020BLNK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1317	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cadmium	ND		0.040	1.0

Client: Waste Management

Job Number: 280-20298-1

Lab Control Sample - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86414/2-A	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	018_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1355	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	40.0	43.3	108	85 - 115	
Arsenic	40.0	44.3	111	85 - 117	
Beryllium	40.0	43.8	110	80 - 125	
Thallium	40.0	45.7	114	85 - 118	

Lab Control Sample - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 280-86414/2-A	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	021_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1321	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	40.0	42.8	107	85 - 115	

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	021SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1405			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-3	Analysis Batch:	280-87251	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	022SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/21/2011 1409			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	108	103	85 - 115	3	20		
Arsenic	103	99	85 - 115	1	20		
Beryllium	106	99	80 - 125	7	20		
Thallium	102	90	85 - 118	12	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	024SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1331			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-3	Analysis Batch:	280-87469	Instrument ID:	MT_077
Client Matrix:	Water	Prep Batch:	280-86414	Lab File ID:	025SMPL.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/22/2011 1334			Final Weight/Volume:	50 mL
Prep Date:	09/21/2011 0530				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	102	95	85 - 115	6	20		

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Units:	ug/L	MSD Lab Sample ID:	280-20298-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1405			Analysis Date:	09/21/2011 1409
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
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	25	40.0	40.0	68.2	66.5
Arsenic	59	40.0	40.0	100	98.9
Beryllium	ND	40.0	40.0	42.6	39.6
Thallium	ND	40.0	40.0	40.6	36.1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86414

Method: 6020A
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	280-20298-3	Units:	ug/L	MSD Lab Sample ID:	280-20298-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 1331			Analysis Date:	09/22/2011 1334
Prep Date:	09/21/2011 0530			Prep Date:	09/21/2011 0530
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.086	J	40.0	40.0	40.8	38.2

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86442

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-86442/1-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1757	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.027	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-86442/2-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1759	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86442/3-A	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1806	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	95	95	88 - 111	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 280-86442/2-A	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2011 1759		
Prep Date:	09/21/2011 1050		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 280-86442/3-A
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2011 1806
Prep Date:	09/21/2011 1050
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	5.00	5.00	4.75	4.75

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-20338-A-1-B MS	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1811			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20338-A-1-C MSD	Analysis Batch:	280-87308	Instrument ID:	MT_033
Client Matrix:	Water	Prep Batch:	280-86442	Lab File ID:	110921AA.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	09/21/2011 1813			Final Weight/Volume:	30 mL
Prep Date:	09/21/2011 1050				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	104	105	88 - 111	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86442

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-20338-A-1-B MS	Units:	ug/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2011 1811		
Prep Date:	09/21/2011 1050		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20338-A-1-C MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2011 1813
Prep Date:	09/21/2011 1050
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	5.00	5.00	5.19	5.25

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-87361/6	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1301	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

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

Method Reporting Limit Check - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-87361/3	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1213	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	1.00	1.04	104	50 - 150	J
Sulfate	1.00	0.804	80	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87361/4	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1229	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87361/5	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1245	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloride	102	102	90 - 110	0	10		
Sulfate	101	101	90 - 110	0	10		

Client: Waste Management

Job Number: 280-20298-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87361/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87361/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1229			Analysis Date:	09/21/2011 1245
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	25.0	25.0	25.5	25.4
Sulfate	25.0	25.0	25.2	25.1

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20286-D-4 MS	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	118.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1446			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20286-D-4 MSD	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1502			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	101	105	80 - 120	3	20		
Sulfate	94	97	80 - 120	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20299-C-1 MS	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	140.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 2034			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20299-C-1 MSD	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	141.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 2049			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	103	104	80 - 120	1	20		
Sulfate	98	98	80 - 120	0	20		

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20286-D-4 MS	Units:	mg/L	MSD Lab Sample ID:	280-20286-D-4 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 1446			Analysis Date:	09/21/2011 1502
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	13	25.0	25.0	38.7	39.8
Sulfate	18	25.0	25.0	41.4	42.3

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87361

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-20299-C-1 MS	Units:	mg/L	MSD Lab Sample ID:	280-20299-C-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2011 2034			Analysis Date:	09/21/2011 2049
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	11	25.0	25.0	36.7	37.0
Sulfate	6.0	25.0	25.0	30.4	30.4

Client: Waste Management

Job Number: 280-20298-1

Duplicate - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	280-20286-D-4 DU	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	117.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/21/2011 1430	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	13	13.4	0.3	15	
Sulfate	18	18.0	0.2	15	

Duplicate - Batch: 280-87361

Method: 300.0
Preparation: N/A

Lab Sample ID:	280-20311-C-9 DU	Analysis Batch:	280-87361	Instrument ID:	WC_IC7
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	155.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 0031	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	33	32.6	0.4	15	
Sulfate	27	27.6	0.9	15	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87407

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-87407/80	Analysis Batch:	280-87407	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0922NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/22/2011 1436	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ammonia	ND		0.022	0.040

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87407

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87407/81	Analysis Batch:	280-87407	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0922NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/22/2011 1438	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87407/82	Analysis Batch:	280-87407	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0922NXN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/22/2011 1439	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	102	103	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87407

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87407/81	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87407/82
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/22/2011 1438			Analysis Date:	09/22/2011 1439
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.09	5.14

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87407

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20166-P-2 MS	Analysis Batch:	280-87407	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0922NXN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/22/2011 1305			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20166-P-2 MSD	Analysis Batch:	280-87407	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0922NXN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	09/22/2011 1307			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	124	126	90 - 110	0	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87407

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-20166-P-2 MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	50		
Analysis Date:	09/22/2011 1305		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20166-P-2 MSD
Client Matrix:	Water
Dilution:	50
Analysis Date:	09/22/2011 1307
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	330	200	200	580	F	582	F

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87509

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID:	MB 280-87509/1-A	Analysis Batch:	280-87603	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	280-87509	Lab File ID:	092311 TPHOS.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/23/2011 1357	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/23/2011 1046				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phosphorus, Total	ND		0.0050	0.050

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87509

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-87509/2-A	Analysis Batch:	280-87603	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	280-87509	Lab File ID:	092311 TPHOS.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/23/2011 1357	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/23/2011 1046				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87509/3-A	Analysis Batch:	280-87603	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	280-87509	Lab File ID:	092311 TPHOS.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/23/2011 1357	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	09/23/2011 1046				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phosphorus, Total	99	101	90 - 110	3	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87509

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID:	LCS 280-87509/2-A	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/23/2011 1357		
Prep Date:	09/23/2011 1046		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 280-87509/3-A
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/23/2011 1357
Prep Date:	09/23/2011 1046
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phosphorus, Total	0.500	0.500	0.494	0.507

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87509

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID:	280-20390-B-3-C MS	Analysis Batch:	280-87603	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	280-87509	Lab File ID:	092311 TPHOS.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/23/2011 1435			Final Weight/Volume:	50 mL
Prep Date:	09/23/2011 1046				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20390-B-3-D MSD	Analysis Batch:	280-87603	Instrument ID:	WC_Konelab
Client Matrix:	Water	Prep Batch:	280-87509	Lab File ID:	092311 TPHOS.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/23/2011 1400			Final Weight/Volume:	50 mL
Prep Date:	09/23/2011 1046				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phosphorus, Total	90	90	71 - 128	0	22		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87509

Method: 365.1
Preparation: 365.2/365.3/365

MS Lab Sample ID:	280-20390-B-3-C MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/23/2011 1435		
Prep Date:	09/23/2011 1046		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20390-B-3-D MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/23/2011 1400
Prep Date:	09/23/2011 1046
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phosphorus, Total	0.0089	J	0.500	0.500	0.459	0.459

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86894

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-86894/5	Analysis Batch:	280-86894	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 0944	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		4.1	50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86894

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86894/3	Analysis Batch:	280-86894	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	09/20/2011 0944	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86894/4	Analysis Batch:	280-86894	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	09/20/2011 0944	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	98	97	90 - 110	1	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86894

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86894/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86894/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 0944			Analysis Date:	09/20/2011 0944
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	98.5	97.1

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86894

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-20376-B-1 MS	Analysis Batch:	280-86894	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 0944			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20376-B-1 MSD	Analysis Batch:	280-86894	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2011 0944			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	98	94	90 - 110	2	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-86894

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-20376-B-1 MS	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2011 0944		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-20376-B-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2011 0944
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	44	J	50.0	50.0	93.3	91.3

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87772

Method: Nitrate by calc
Preparation: N/A

Lab Sample ID:	MB 280-87772/2	Analysis Batch:	280-87772	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/26/2011 0745	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Nitrate as N	ND		0.019	0.50

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-87055/33	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1446	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Alkalinity	ND		1.1	5.0
Bicarbonate Alkalinity as CaCO3	ND		1.1	5.0
Carbonate Alkalinity as CaCO3	ND		1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87055/31	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1428	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87055/32	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1439	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Alkalinity	103	106	90 - 110	3	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87055/31	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2011 1428		
Prep Date:	N/A		
Leach Date:	N/A		

LCSD Lab Sample ID:	LCSD 280-87055/32
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2011 1439
Prep Date:	N/A
Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Alkalinity	200	200	206	213

Client: Waste Management

Job Number: 280-20298-1

Duplicate - Batch: 280-87055

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-20286-C-2 DU	Analysis Batch:	280-87055	Instrument ID:	WC_AT2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/20/2011 1501	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Alkalinity	310	313	0.4	10	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-86920/1	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86920/2	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86920/3	Analysis Batch:	280-86920	Instrument ID:	No Equipment		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL		
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	100	100	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86920/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86920/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1045			Analysis Date:	09/20/2011 1045
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	502	502

Client: Waste Management

Job Number: 280-20298-1

Duplicate - Batch: 280-86920

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-20287-D-4 DU	Analysis Batch:	280-86920	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 1045	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	2800	2800	1	10	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87015

Method: SM 2540D
Preparation: N/A

Lab Sample ID:	MB 280-87015/1	Analysis Batch:	280-87015	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	09/20/2011 1614	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	ND		1.1	4.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87015

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87015/2	Analysis Batch:	280-87015	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1614	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87015/3	Analysis Batch:	280-87015	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	09/20/2011 1614	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	94	93	86 - 114	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87015

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87015/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87015/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1614			Analysis Date:	09/20/2011 1614
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	94.0	93.0

Client: Waste Management

Job Number: 280-20298-1

Duplicate - Batch: 280-87015

Method: SM 2540D
Preparation: N/A

Lab Sample ID:	280-20298-3	Analysis Batch:	280-87015	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	09/20/2011 1614	Units:	mg/L	Final Weight/Volume:	250 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	6.8	6.00	13	10	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

Lab Sample ID:	MB 280-87135/5	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 2034	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Average	0.164	J	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87135/3	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 1958	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-87135/4	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 2017	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Average	99	100	88 - 112	0	15		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-87135/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-87135/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/20/2011 1958			Analysis Date:	09/20/2011 2017
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Average	25.0	25.0	24.9	24.9

Client: Waste Management

Job Number: 280-20298-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID:	280-20298-3	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	2.7	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2207			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-20298-3	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	2.7	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	09/20/2011 2228			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Average	33	33	88 - 112	0	15	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

MS Lab Sample ID:	280-20298-3	Units:	mg/L	MSD Lab Sample ID:	280-20298-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	2.7			Dilution:	2.7
Analysis Date:	09/20/2011 2207			Analysis Date:	09/20/2011 2228
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Total Organic Carbon - Average	81	67.5	67.5	104	F	104	F

Duplicate - Batch: 280-87135

Method: SM 5310B
Preparation: N/A

Lab Sample ID:	280-20298-3	Analysis Batch:	280-87135	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	092011.txt
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2011 2146	Units:	mg/L	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon - Average	81	80.6	0.7	15	

Client: Waste Management

Job Number: 280-20298-1

Method Blank - Batch: 280-86382

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-86382/6	Analysis Batch:	280-86382	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/16/2011 0846	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-86382

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86382/3	Analysis Batch:	280-86382	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/16/2011 0846	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-86382/4	Analysis Batch:	280-86382	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/16/2011 0846	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	111	109	85 - 115	2	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-86382

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-86382/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-86382/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/16/2011 0846			Analysis Date:	09/16/2011 0846
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	221	217

Client: Waste Management

Job Number: 280-20298-1

Duplicate - Batch: 280-86382

Method: SM5210B
Preparation: N/A

Lab Sample ID:	280-20321-G-5 DU	Analysis Batch:	280-86382	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/16/2011 0846	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Biochemical Oxygen Demand	ND	ND	NC	20	

Client: Waste Management

Job Number: 280-20298-1

Laboratory Chronicle

Lab ID: **280-20298-3** **Client ID:** **3406-T01**

Sample Date/Time: 09/14/2011 13:00 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20298-K-3		280-87941		09/26/2011 22:03	1	TAL DEN	TBL
A:8260B	280-20298-K-3		280-87941		09/26/2011 22:03	1	TAL DEN	TBL
P:3005A	280-20298-H-3-D		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-D		280-87246	280-86417	09/22/2011 00:03	1	TAL DEN	JKH
P:3005A	280-20298-H-3-D		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-D		280-87458	280-86417	09/22/2011 15:56	1	TAL DEN	JKH
P:3005A	280-20298-H-3-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-A		280-87251	280-86414	09/21/2011 13:59	1	TAL DEN	LT
P:3005A	280-20298-H-3-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-A		280-87469	280-86414	09/22/2011 13:24	1	TAL DEN	LT
P:7470A	280-20298-H-3-G		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20298-H-3-G		280-87308	280-86442	09/21/2011 18:27	1	TAL DEN	BLR
A:300.0	280-20298-C-3		280-87361		09/21/2011 18:59	2	TAL DEN	EK
A:300.0	280-20298-C-3		280-87361		09/22/2011 01:18	10	TAL DEN	EK
A:350.1	280-20298-G-3		280-87407		09/22/2011 14:41	50	TAL DEN	SJS
P:365.2/365.3/365	280-20298-G-3-A		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	280-20298-G-3-A		280-87603	280-87509	09/23/2011 13:57	1	TAL DEN	SJS
A:410.4	280-20298-E-3		280-86894		09/20/2011 09:44	10	TAL DEN	JMT
A:Nitrate by calc	280-20298-A-3		280-87772		09/26/2011 07:45	1	TAL DEN	RS
A:SM 2320B	280-20298-A-3		280-87055		09/20/2011 17:16	1	TAL DEN	AJA
A:SM 2540C	280-20298-A-3		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540D	280-20298-A-3		280-87015		09/20/2011 16:14	1	TAL DEN	PAG
A:SM 5310B	280-20298-G-3		280-87135		09/20/2011 21:24	2	TAL DEN	GEY
A:SM5210B	280-20298-B-3		280-86382		09/16/2011 09:12	5	TAL DEN	DA
A:Field Sampling	280-20298-A-3		280-86246		09/14/2011 13:00	1	TAL DEN	FS

Lab ID: **280-20298-3 MS** **Client ID:** **3406-T01**

Sample Date/Time: 09/14/2011 13:00 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-20298-H-3-E MS		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-E MS		280-87246	280-86417	09/22/2011 00:07	1	TAL DEN	JKH
P:3005A	280-20298-H-3-E MS		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-E MS		280-87458	280-86417	09/22/2011 16:01	1	TAL DEN	JKH
P:3005A	280-20298-H-3-B MS		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-B MS		280-87251	280-86414	09/21/2011 14:05	1	TAL DEN	LT
P:3005A	280-20298-H-3-B MS		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-B MS		280-87469	280-86414	09/22/2011 13:31	1	TAL DEN	LT
A:SM 5310B	280-20298-G-3 MS		280-87135		09/20/2011 22:07	2.7	TAL DEN	GEY

Client: Waste Management

Job Number: 280-20298-1

Laboratory Chronicle

Lab ID: **280-20298-3 MSD** **Client ID:** **3406-T01**

Sample Date/Time: 09/14/2011 13:00 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	280-20298-H-3-F MSD		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-F MSD		280-87246	280-86417	09/22/2011 00:09	1	TAL DEN	JKH
P:3005A	280-20298-H-3-F MSD		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	280-20298-H-3-F MSD		280-87458	280-86417	09/22/2011 16:03	1	TAL DEN	JKH
P:3005A	280-20298-H-3-C MSD		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-C MSD		280-87251	280-86414	09/21/2011 14:09	1	TAL DEN	LT
P:3005A	280-20298-H-3-C MSD		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	280-20298-H-3-C MSD		280-87469	280-86414	09/22/2011 13:34	1	TAL DEN	LT
A:SM 5310B	280-20298-G-3 MSD		280-87135		09/20/2011 22:28	2.7	TAL DEN	GEY

Lab ID: **280-20298-3 DU** **Client ID:** **3406-T01**

Sample Date/Time: 09/14/2011 13:00 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540D	280-20298-A-3 DU		280-87015		09/20/2011 16:14	1	TAL DEN	PAG
A:SM 5310B	280-20298-G-3 DU		280-87135		09/20/2011 21:46	2	TAL DEN	GEY

Lab ID: **280-20298-4** **Client ID:** **TRIP BLANK**

Sample Date/Time: 09/14/2011 13:00 Received Date/Time: 09/15/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-20298-A-4		280-87941		09/26/2011 20:12	1	TAL DEN	TBL
A:8260B	280-20298-A-4		280-87941		09/26/2011 20:12	1	TAL DEN	TBL

Client: Waste Management

Job Number: 280-20298-1

Laboratory Chronicle

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 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
A:8260B	MB 280-87941/5		280-87941		09/26/2011 19:50	1	TAL DEN	TBL
P:3005A	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86417/1-A		280-87246	280-86417	09/21/2011 23:58	1	TAL DEN	JKH
P:3005A	MB 280-86417/1-A		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	MB 280-86417/1-A		280-87458	280-86417	09/22/2011 15:48	1	TAL DEN	JKH
P:3005A	MB 280-86414/1-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	MB 280-86414/1-A		280-87251	280-86414	09/21/2011 13:52	1	TAL DEN	LT
P:3005A	MB 280-86414/1-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	MB 280-86414/1-A		280-87469	280-86414	09/22/2011 13:17	1	TAL DEN	LT
P:7470A	MB 280-86442/1-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	MB 280-86442/1-A		280-87308	280-86442	09/21/2011 17:57	1	TAL DEN	BLR
A:300.0	MB 280-87361/6		280-87361		09/21/2011 13:01	1	TAL DEN	EK
A:350.1	MB 280-87407/80		280-87407		09/22/2011 14:36	1	TAL DEN	SJS
P:365.2/365.3/365	MB 280-87509/1-A		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	MB 280-87509/1-A		280-87603	280-87509	09/23/2011 13:57	1	TAL DEN	SJS
A:410.4	MB 280-86894/5		280-86894		09/20/2011 09:44	1	TAL DEN	JMT
A:Nitrate by calc	MB 280-87772/2		280-87772		09/26/2011 07:45	1	TAL DEN	RS
A:SM 2320B	MB 280-87055/33		280-87055		09/20/2011 14:46	1	TAL DEN	AJA
A:SM 2540C	MB 280-86920/1		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540D	MB 280-87015/1		280-87015		09/20/2011 16:14	1	TAL DEN	PAG
A:SM 5310B	MB 280-87135/5		280-87135		09/20/2011 20:34	1	TAL DEN	GEY
A:SM5210B	MB 280-86382/6		280-86382		09/16/2011 08:46	1	TAL DEN	DA

Client: Waste Management

Job Number: 280-20298-1

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 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
A:8260B	LCS 280-87941/4		280-87941		09/26/2011 19:28	1	TAL DEN	TBL
P:3005A	LCS 280-86417/2-A		280-87246	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86417/2-A		280-87246	280-86417	09/22/2011 00:00	1	TAL DEN	JKH
P:3005A	LCS 280-86417/2-A		280-87458	280-86417	09/21/2011 05:30	1	TAL DEN	CLI
A:6010C	LCS 280-86417/2-A		280-87458	280-86417	09/22/2011 15:51	1	TAL DEN	JKH
P:3005A	LCS 280-86414/2-A		280-87251	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	LCS 280-86414/2-A		280-87251	280-86414	09/21/2011 13:55	1	TAL DEN	LT
P:3005A	LCS 280-86414/2-A		280-87469	280-86414	09/21/2011 05:30	1	TAL DEN	CLI
A:6020A	LCS 280-86414/2-A		280-87469	280-86414	09/22/2011 13:21	1	TAL DEN	LT
P:7470A	LCS 280-86442/2-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	LCS 280-86442/2-A		280-87308	280-86442	09/21/2011 17:59	1	TAL DEN	BLR
A:300.0	LCS 280-87361/4		280-87361		09/21/2011 12:29	1	TAL DEN	EK
A:350.1	LCS 280-87407/81		280-87407		09/22/2011 14:38	1	TAL DEN	SJS
P:365.2/365.3/365	LCS 280-87509/2-A		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	LCS 280-87509/2-A		280-87603	280-87509	09/23/2011 13:57	1	TAL DEN	SJS
A:410.4	LCS 280-86894/3		280-86894		09/20/2011 09:44	1	TAL DEN	JMT
A:SM 2320B	LCS 280-87055/31		280-87055		09/20/2011 14:28	1	TAL DEN	AJA
A:SM 2540C	LCS 280-86920/2		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540D	LCS 280-87015/2		280-87015		09/20/2011 16:14	1	TAL DEN	PAG
A:SM 5310B	LCS 280-87135/3		280-87135		09/20/2011 19:58	1	TAL DEN	GEY
A:SM5210B	LCS 280-86382/3		280-86382		09/16/2011 08:46	1	TAL DEN	DA

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
P:7470A	LCSD 280-86442/3-A		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	LCSD 280-86442/3-A		280-87308	280-86442	09/21/2011 18:06	1	TAL DEN	BLR
A:300.0	LCSD 280-87361/5		280-87361		09/21/2011 12:45	1	TAL DEN	EK
A:350.1	LCSD 280-87407/82		280-87407		09/22/2011 14:39	1	TAL DEN	SJS
P:365.2/365.3/365	LCSD 280-87509/3-A		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	LCSD 280-87509/3-A		280-87603	280-87509	09/23/2011 13:57	1	TAL DEN	SJS
A:410.4	LCSD 280-86894/4		280-86894		09/20/2011 09:44	1	TAL DEN	JMT
A:SM 2320B	LCSD 280-87055/32		280-87055		09/20/2011 14:39	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-86920/3		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM 2540D	LCSD 280-87015/3		280-87015		09/20/2011 16:14	1	TAL DEN	PAG
A:SM 5310B	LCSD 280-87135/4		280-87135		09/20/2011 20:17	1	TAL DEN	GEY
A:SM5210B	LCSD 280-86382/4		280-86382		09/16/2011 08:46	1	TAL DEN	DA

Client: Waste Management

Job Number: 280-20298-1

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 280-87361/3		280-87361		09/21/2011 12:13	1	TAL DEN	EK

Lab ID: **MS** **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	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MS		280-87941		09/26/2011 21:19	1	TAL DEN	TBL
P:7470A	280-20338-A-1-B MS		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20338-A-1-B MS		280-87308	280-86442	09/21/2011 18:11	1	TAL DEN	BLR
A:300.0	280-20286-D-4 MS		280-87361		09/21/2011 14:46	1	TAL DEN	EK
A:300.0	280-20299-C-1 MS		280-87361		09/21/2011 20:34	1	TAL DEN	EK
A:350.1	280-20166-P-2 MS		280-87407		09/22/2011 13:05	50	TAL DEN	SJS
P:365.2/365.3/365	280-20390-B-3-C MS		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	280-20390-B-3-C MS		280-87603	280-87509	09/23/2011 14:35	1	TAL DEN	SJS
A:410.4	280-20376-B-1 MS		280-86894		09/20/2011 09:44	1	TAL DEN	JMT

Lab ID: **MSD** **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	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL
A:8260B	280-20309-D-1 MSD		280-87941		09/26/2011 21:41	1	TAL DEN	TBL
P:7470A	280-20338-A-1-C MSD		280-87308	280-86442	09/21/2011 10:50	1	TAL DEN	BLR
A:7470A	280-20338-A-1-C MSD		280-87308	280-86442	09/21/2011 18:13	1	TAL DEN	BLR
A:300.0	280-20286-D-4 MSD		280-87361		09/21/2011 15:02	1	TAL DEN	EK
A:300.0	280-20299-C-1 MSD		280-87361		09/21/2011 20:49	1	TAL DEN	EK
A:350.1	280-20166-P-2 MSD		280-87407		09/22/2011 13:07	50	TAL DEN	SJS
P:365.2/365.3/365	280-20390-B-3-D MSD		280-87603	280-87509	09/23/2011 10:46	1	TAL DEN	SJS
A:365.1	280-20390-B-3-D MSD		280-87603	280-87509	09/23/2011 14:00	1	TAL DEN	SJS
A:410.4	280-20352-F-4 MSD		280-86894		09/20/2011 09:44	1	TAL DEN	JMT
A:410.4	280-20376-B-1 MSD		280-86894		09/20/2011 09:44	1	TAL DEN	JMT

Client: Waste Management

Job Number: 280-20298-1

Laboratory Chronicle

Lab ID: **DU** **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	280-20286-D-4 DU		280-87361		09/21/2011 14:30	1	TAL DEN	EK
A:300.0	280-20311-C-9 DU		280-87361		09/22/2011 00:31	1	TAL DEN	EK
A:SM 2320B	280-20286-C-2 DU		280-87055		09/20/2011 15:01	1	TAL DEN	AJA
A:SM 2540C	280-20287-D-4 DU		280-86920		09/20/2011 10:45	1	TAL DEN	BJD
A:SM5210B	280-20321-G-5 DU		280-86382		09/16/2011 08:46	1	TAL DEN	DA

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 3.9 BR1 mJ 9/15

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	9-14-11	133472
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1

City	State	Zip Code	Site Contact	Lab Contact
	NC			Betsy Sura

Project Name and Location (State)	Carrier/Waybill Number
1341 Piedmont	

Contract/Purchase Order/Quote No.: 28003156 - SA Leachate Mon Mar Sep

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		Total Metals	Cl/SO4/Alks/TDS	NH3/COD	NO3(cat)/BOD/TSS	8260B	TOC/Phos							Special Instructions/ Conditions of Receipt
TO1	9-14	1300		X				3	4	1	3				1	1	2	4	3	2							
TRIP	9-14	—		X							✓								✓								

Analysis (Attach list if more space is needed)

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	9-14-11	1630	1. Received By	9/15/11	0930
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
091411	—	—	—	—	—

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: —

Sampling Device: X

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

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

X-Other: SAMPLE PORT ON LEACHATE SYSTEM

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)
1300	NA	1st 7.15	1st 4128	21.6	3.5	2.8	-157.0	
		2nd	2nd					
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

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

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
091411	7.15	4128	21.6	3.5	2.8	-157.0	

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

FIELD COMMENTS

Sample Appearance: CLEAR Odor: ____ Color: Yellow tint Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: W 0-5 Outlook: 85°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
9/14/11	DAN ARMOUR		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: 280-20298-1

Login Number: 20298

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

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.	True	