RMT

• ENVIRONMENT • ENERGY • ENGINEERING

Quarterly Monitoring Report
1st Quarter 2009

L.E. Carpenter & Company, Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

April 2009

123727

CREATING BALANCE℠

RMT

• ENVIRONMENT • ENERGY • ENGINEERING

Quarterly Monitoring Report
1st Quarter 2009

L.E. Carpenter & Company, Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

April 2009

Jennifer Overvoorde / for
Nicholas J. Clevett
Senior Project Manager

James J. Dexter, C.P.G.
Senior Project Hydrogeologist

Jennifer Overvoorde
Jennifer Overvoorde
Project Geologist

© 2009 RMT, Inc.
All Rights Reserved

CREATING BALANCE℠

Table of Contents

1. Introduction 1-1

2. MW-19/Hot Spot 1 Area of Concern (AOC) 2-1
   - 2.1 Sampling Methodology 2-1
   - 2.2 Groundwater Elevations and Flow Direction 2-2
   - 2.3 Delineation of Groundwater Contamination 2-3
     - 2.3.1 Contaminants of Concern (COC) 2-3
     - 2.3.2 MNA Parameters and Data Analysis 2-4

3. MW-30 Source Reduction Area of Concern (AOC) 3-1

4. Surface Water Area of Concern (AOC) 4-1
   - 4.1 Eastern Drainage Channel 4-1
   - 4.2 Rockaway River 4-1

5. Additional and Future Project Activities 5-1
   - 5.1 MW-30 Source Area Remedial Investigation Workplan 5-1
   - 5.2 MW19/Hot Spot 1 Soil Gas Investigation and RASR 5-1
   - 5.3 Wetland Monitoring, Invasive Species Control, and Reporting 5-2

List of Tables

Table 1 Quarterly Groundwater Elevations
Table 2 Groundwater Monitoring Data
Table 3 Quarterly Groundwater Monitoring MNA Analytical Data
Table 4 Quarterly Groundwater Monitoring MNA Field Data
Table 5 Surface Water Monitoring Data

List of Figures

Figure 1 Site Location Map
Figure 2 Site Plan with Well Locations
Figure 3 Site Wide Shallow Aquifer Groundwater Contour Map [1Q09]
Figure 4 MW19/Hot Spot 1 Shallow Aquifer Groundwater Contour Map [1Q09]
Figure 5 MW19/Hot Spot 1 Shallow Aquifer Isoconcentration Map [1Q09]

List of Appendices

Appendix A	Field Data Forms
Appendix B	1st Quarter 2009 Laboratory Analytical Report
Appendix C	BTEX Concentration Trend Charts
Appendix D	Photographic Summary
Appendix E	Project Schedule

Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events are performed, and associated progress reports completed and submitted to the United States Environmental Protection Agency (USEPA) to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the New Jersey Department of Environmental Protection (NJDEP). We provide a summary of activities completed during the first quarter of 2009 (1Q09), including but not limited to, (1) continued quarterly Contaminant of Concern (COC) and Monitored Natural Attenuation (MNA) groundwater monitoring of both the MW19/Hot Spot 1 (MW19HS1) and MW-30 eastern source reduction areas, (2) surface water quality assessments of the drainage ditch and Rockaway River, and (3) hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies.

RMT conducted the following tasks during the 1Q09:

- Quarterly groundwater and surface water monitoring within the MW19HS1 area, the MW-30 source reduction area, the eastern wetland area (Wharton Enterprise property), and adjacent surface water bodies (*i.e.*, Rockaway River and drainage ditch) as required under the 1986 ACO, and as proposed in the Post Remedial Monitoring Plan (PRMP) and other regulatory correspondence (Reference Sections 2, 3, 4, and 5).

Discussion of these activities is provided in the referenced sections. Specific results for each of the three (3) monitored areas of concern (AOC) are summarized as follows:

- MW19/HS1: Data continues to show that intrinsic bioremediation processes are strong and actively working to break down benzene, toluene, ethylbenzene, and xylenes (BTEX) components related to residual soil contamination. Contamination is limited to the site and the area of dissolved-phase groundwater contamination is apparently reducing over time. However, after receipt of the NJDEP Notice of Deficiency (NOD) dated October 16, 2008, following regulatory review of the September 2007 Remedial Action Selection Report (RASR), further delineation of residual soil contamination (lateral and vertical extent) was presented to both USEPA and NJDEP in the Remedial Investigation Workplan (RIW) dated November 14, 2008. Subsequent discussions with USEPA regarding the MW19HS1 area resulted in the submittal of a Letter of Intent (LOI) (RMT, January 5, 2009). The LOI outlined a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November 2008 RIW and September 2007 RASR, respectively. Specifically, the LOI proposed concurrent implementation of

investigation and remediation, and focused the remedial alternative on soil excavation only. LEC, USEPA and RMT are currently developing a Statement of Work (SOW) designed to accompany an anticipated Unilateral Administrative Order (UAO) being prepared by the USEPA. The streamlined approach outlined above will be presented in an Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO. .

- MW-30 Area (Eastern Source Area): Shallow groundwater flow is similar to flow that occurred before the 2005 source reduction in that shallow groundwater at the site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. The effect of the buried slurry monolith on groundwater flow is very limited in extent and occurs mainly along the edges of the excavation area. Specifically, the presence of the monolith does not change the overall horizontal component of flow direction towards the drainage ditch, the wetland area, and the river. Dissolved phase contaminant concentrations were detected at a number of source area PRMP monitoring locations in 1Q09. A thin measurable thickness of Light Non Aqueous Phase Liquid (LNAPL) was detected at one wetland monitoring well during the 1Q09 monitoring event.

  In August 2008, RMT submitted an RIW to further evaluate concentrations and LNAPL remaining in this area. The RIW was prepared and submitted to satisfy the requirements outlined in NJDEP's NOD letter received on June 25, 2008, following review and comment on previous quarterly RAPRs. USEPA and NJDEP comments on the August 2008 MW-30 Source Area RIW were received January 22, 2009 and January 30, 2009, respectively. As outlined above, LEC, USEPA and RMT are currently developing a SOW. The scope of work outlined in the August 2008 RIW (including responses to USEPA and NJDEP comments) will also be presented in the Addendum to the USEPA approved Remedial Action Work Plan (RAWP) (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO.

- Surface Water: Rockaway River samples show non-detect for all COCs. Surface water samples from the ditch show DEHP above the applicable New Jersey Surface Water Quality Standard (NJSWQS) at all five locations. In addition, ethylbenzene and total xylenes were detected at surface water monitoring location SW-D-4 above the NJSWQS.

Section 2
MW-19/Hot Spot 1 Area of Concern (AOC)

A comprehensive investigative and remedial history of the MW19/Hot Spot 1 AOC is presented in the 4th Quarter 2007 RAPR. As outlined in the 4Q07 RAPR, the MW19/Hot Spot 1 AOC has been under investigation since the early 1980s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for former operations in Building 9. Long-term monitoring and investigation of groundwater quality within the area, and a soil gas (2006) investigation, showed that naturally occurring biodegradation is occurring, resulting in a stable dissolved phase "plume" that is slowly shrinking over time, and does not pose a risk to the residences on the north side of Ross Street.

In the June 20, 2007, NOD pertaining to review of the May 2006 Soil Gas Investigation Report, NJDEP stated that the extended time frame for degradation of dissolved phase groundwater contamination post source removal [USTs and surrounding soils] suggests that residual source material remains and must be addressed, and that proposed remedial measures be presented in a Remedial Action Selection Report (RASR). To support preparation of the RASR, RMT performed an investigation of potential residual source material in August 2007. Results of this investigation and a proposed remedial approach were presented in the RASR submitted to NJDEP and USEPA for review in September 2007. Data from the August investigation showed residual source material was present within the vadose zone soils, which suggests reductions in groundwater concentrations via natural attenuation could take many years before achieving appropriate cleanup levels. Subsequently, the RASR outlined a combination of vadose zone excavation coupled with a polishing step of mechanical blending of chemical oxidants in the saturated zone to expedite cleanup of the dissolved phase constituents identified in the 2007 investigation.

As outlined in Section 1, LEC, USEPA, and RMT are currently developing a SOW for concurrent implementation of the MW19HS1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation only. An Addendum to the 2004 Remedial Action Work Plan detailing this approach will be submitted to the USEPA for review and approval within thirty (30) days following the effective date of the anticipated UAO.

2.1 Sampling Methodology

RMT conducted the 1Q09 groundwater monitoring activities January 12 through January 15, 2009. Groundwater monitoring was performed in accordance with the procedures

contained in the NJDEP's *Field Sampling Procedures Manual* dated May 1992 (Revised August 2005), and methodologies outlined in our May 2001 Monitored Natural Attenuation (MNA) work plan. The MNA work plan was approved by NJDEP on January 24, 2002. A site plan showing current conditions and locations of the monitoring points sampled this quarter are shown on Figure 2.

Two sample duplicates, trip blanks, a field (atmosphere) blank, one matrix spike/matrix spike duplicates (MS/MSDs), and two rinsate blanks were collected to satisfy Quality Assurance / Quality Control (QA/QC) requirements outlined in the revised Quality Assurance Project Plan (QAPP) presented as Appendix C in the PRMP.

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The blind duplicate samples were collected at SW-R-3 (Dup-01) and MW-28I (Dup-02) and analyzed for BTEX and bis (2-ethylhexyl) phthalate (DEHP). Dup-02 was also analyzed for MNA parameters. Rinsate blank RB-01 and RB-02 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify that decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved distilled water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted all samples to Lancaster Laboratories (Lancaster), located in Lancaster, Pennsylvania for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Lab Certification No. PA011).

2.2 Groundwater Elevations and Flow Direction

RMT measured static groundwater levels within 35 groundwater monitoring wells on January 12 and 13, 2009 as part of the sampling activities. In addition, surface water levels were measured at 8 separate locations along the Rockaway River and 5 locations along the drainage ditch. These data were used to calculate groundwater elevations with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the groundwater flow pattern in the shallow aquifer system. Groundwater elevations summarized on Table 1 were used to prepare a site-wide shallow groundwater contour map (Figure 3).

Eleven (11) groundwater elevations calculated from depth to groundwater data (Table 1) were utilized to create the MW19/Hot Spot 1 shallow groundwater contours and flow direction depicted on Figure 4. Shallow groundwater flow direction in the MW19/Hot Spot 1 area is similar to that observed historically (generally toward the northeast). From a regional flow

standpoint, overall flow is controlled by the Washington Forge Pond and the Rockaway River. The Rockaway Valley Regional Sewer Authority (RVRSA) storm sewer line that runs west to east down Ross Street locally influences groundwater flow north and south of the utility corridor.

Groundwater elevation data obtained for the MW-19/Hot Spot 1 area wells continues to show that MW-19-12 is directly downgradient from the leading edge of residual groundwater contamination (Figures 4 and 5). In addition, MW-19-7 is also directly downgradient from the leading edge of the plume, and has been non-detect or below criteria since February 2007. The 1Q09 groundwater sample laboratory test results (Table 2) for MW-19-7 and MW-19-12 show little to no detectable COCs, and Figure 4 shows that no COCs are migrating past the site property line. These data, coupled with the fact that groundwater flow north of the RVRSA utility corridor is south towards the LEC site and that the vertical component of groundwater flow is upwards (compare water levels in MW-19-9D with that in MW-19-6), confirms that residual groundwater contamination is not migrating to the north of Ross Street.

2.3 Delineation of Groundwater Contamination

2.3.1 Contaminants of Concern (COC)

Table 2 summarizes BTEX and DEHP concentrations for all of the seven (7) currently sampled MW19/Hot Spot 1 groundwater monitoring wells. The lateral distribution of total BTEX concentrations in the MW-19/Hot Spot 1 Area is shown on Figure 5. RMT sampled groundwater from the MW19/Hot Spot 1 monitoring wells on January 13 and 14, 2009. Corresponding field sampling data and analytical laboratory reports are presented in Appendix A and Appendix B, respectively.

The higher of the Class IIA New Jersey Groundwater Quality Standard (C2A NJGWQS) for DEHP (2 μg/L) and Practical Quantitation Limit (PQL) (3 μg/L) was not exceeded in any of the MW-19/Hot Spot 1 area monitoring wells sampled during the 1Q09 monitoring event.

Benzene and toluene exceeded the higher of the C2A NJGWQS and PQL of 1 μg/L and 1000 μg/L, respectively, in groundwater collected from MW-19 and MW-19-5. The sample collected from MW-19 was also in exceedence for total xylenes. The samples collected from MW-19-5 and MW-19-7 had detections of ethylbenzene and total xylenes; however the concentrations did not exceed the higher of the C2A NJGWQS and PQL. Ethylbenzene was also detected in MW-19 and toluene was also detected in MW-19-7, however, neither detections exceeded the higher of the C2A NJGWQS and PQL.

During the second quarter of 2006 (2Q06), MW-19-12 was installed between MW-19-7 and MW-19-11 in order to determine if dissolved BTEX constituents existed further northeast towards the residences on Ross Street. As discussed above, data continue to show that MW-19-12 is downgradient of MW-19-7, and that no BTEX or DEHP were detected in MW-19-12. In fact, the "plume" of dissolved phase constituents of concern appears to have shrunk because no exceedences of NJGWQS have occurred in this well since February 2007. As shown on Figure 5, this indicates that existing residual groundwater contamination in the MW-19/Hot Spot 1 area is very limited in extent and poses no risk to residences on the north side of Ross Street.

Figure 5 shows isoconcentration contours for total BTEX concentrations in parts per million (ppm or mg/L). The contours were constructed by taking into account total concentrations together with particle flow-paths that are perpendicular to the groundwater elevation contours. The distribution of total BTEX defined by the isoconcentration contours is consistent with the predominant lateral component of groundwater flow direction defined by the groundwater elevation contours.

The lack of downward migration of COCs is evidenced by historical groundwater elevation data that shows consistent upward vertical hydraulic gradients in the MW-19 area and in all other former and existing deep/shallow well clusters across the site. Site-wide upward hydraulic gradients would be expected because of the regional hydrogeologic features; specifically the upward gradient is a function of the regional groundwater discharge to the Rockaway River system. These findings are consistent with an earlier RMT prediction of an upward vertical gradient for this location based on nearby piezometers GEI-2I and GEI-2S, and other upward vertical gradients observed across the site. The Washington Forge Pond (at an elevation of approximately 640 feet), and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area. A historical lack of detectable constituents in MW-19-D further verifies that LNAPL constituents are attenuated and hence are not migrating to residences along the north side of Ross Street.

2.3.2 MNA Parameters and Data Analysis

Tables 3 and 4 summarize the MNA laboratory analytical and field data, respectively. Sampling and testing was done in accordance with approved 2001 MNA Workplan.

Natural attenuation (NA) of petroleum hydrocarbons via biodegradation (also known as intrinsic bioremediation) has been documented to be a universal phenomenon in that it occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be protective at >80% of those sites (Wiedemeier, 1997). Given the low concentrations

exhibited over most of the sampling history for MW-19-7 (relative to MW-19-5), and based on results of NA parameter testing (described in more detail below), intrinsic bioremediation is active at the site.

Where NA processes are present, groundwater contamination stops migrating at some finite distance from the source because biodegradation prevents plume expansion once relative equilibrium conditions have been achieved with respect to microbially mediated processes. Based on isoconcentration maps from the past two years and the data in Table 2, it appears that the size and shape of the plume within the MW19/Hot Spot 1 Area is gradually reducing in size. For example at the upgradient edge of residual soil contamination, MW-19 shows evidence of overall concentration reductions over time. Within or immediately adjacent to the downgradient edge of residual soil contamination, MW-19-5 shows variable concentrations over time related to infiltration and water table fluctuation events. Further downgradient from the residual soil contamination MW-19-7 shows the least amount of BTEX concentrations and the highest concentrations of various NA parameters that are produced as a function of biodegradation. In addition, as described above, concentrations of MW19-7 show that no COCs above NJGWQS have migrated to this well since February 2007.

The low concentrations of sulfate and nitrate observed within the plume (*e.g.*, MW-19-5), as compared to upgradient concentrations (*e.g.*, MW-19-4), are positive evidence biodegradation is taking place in the MW-19/Hot Spot 1 Area. In addition, several other parameters, such as carbon dioxide (CO_2), alkalinity, methane, and ferrous iron, are produced by the same micro-organisms during contaminant degradation and are also being monitored and tracked across the site. Within the MW-19/Hot Spot 1 plume area, the concentrations of all four previously mentioned parameters are significantly higher than compared to background concentrations. These data, together with the trend to non-detect total BTEX concentrations in MW-19-7 and MW-19-12, indicate that biodegradation of BTEX compounds reaches completion near MW-19-7.

These data show that intrinsic bioremediation processes are strong and actively working to break down BTEX components related to residual soil contamination. NA parameters will continue to be monitored and as more data is received future evaluations will be performed and updates submitted with quarterly monitoring reports.

Although the residual soil contamination is limited in extent, and the area of dissolved-phase groundwater contamination is reducing over time it, it could take many years before achieving acceptable cleanup levels. As outlined in Section 1 and Section 2, LEC and USEPA are discussing a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November

2008 RIW and September 2007 RASR, respectively, and focusing the remedial alternative on soil excavation only. This streamlined approach will be presented in an Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO.

Section 3
MW-30 Source Reduction Area of Concern (AOC)

The 1Q09 monitoring event marks the fourth time that all of the wells specified in the PRMP have been sampled. The 1Q09 sampling event is the twelfth event for the source area monitoring wells installed in June 2006. This long period of time since sampling and testing the 2006 wells began was a result of the more than two year period of time it took for the New Jersey LURP to approve the GP-14 and Stream Encroachment Permit applications. A photographic summary of the site is included in Appendix D

Site-wide shallow groundwater contours and associated flow pattern are shown on Figure 3. The contours were prepared by utilizing the surveyed groundwater elevations from the new PRMP wells, existing site wells, and river and ditch surface water elevations (Table 1). The map shows that shallow groundwater flow is similar to flow that occurred before the source reduction in that shallow groundwater at the site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam ("losing" reach of river; see approximate flow direction arrows on Figure 3). Further downgradient, site groundwater nearest the river flows generally parallel to the river, and eventually becomes influent to the river just downgradient of the source reduction area (in the Wharton Enterprises wetland area). Also, similar to the pre-source reduction flow, some of the site shallow groundwater becomes influent to the ditch surface water; this flow-path is supported by the occasional low detections of COCs in some of the ditch surface water samples (see Section 5).

Note that the groundwater contour map also shows the effect of the buried slurry monolith on groundwater flow, and that effect is very limited in extent, mainly along the edges of the excavation area. Specifically, the area of the monolith can be approximated by the shape of the low swale roughly defined by the 629-foot ground elevation contour, and the inferred 626 and 627-foot groundwater contours roughly mimic the shape of that swale. The presence of the monolith does not change the overall horizontal component of flow direction, which as shown on Figure 3 and described above is directed towards the ditch, the wetland area, and the river.

The analytical results from all monitoring events are summarized in Tables 2 through 5. The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the source reduction area both have screens that were placed directly below the slurry monolith floor. At both locations, intermediate monitoring wells MW-28i and MW-30i were installed and screened approximately 5 feet below the bottom of the shallow well screen; 15 to 20 ft bgs and 10 to 15 ft bgs, respectively.

In 1Q09 low levels of dissolved groundwater contamination continue to be found in the source reduction area interior monitoring wells MW-28s and MW-28i (Table 2). The concentrations of dissolved ethylbenzene, and xylene appear to be generally decreasing over time in the MW-28 well cluster. In fact, no BTEX constituents are present at levels that exceed current NJGWQS. Dissolved DEHP concentrations continue to fluctuate at both MW-28s and MW-28i; however, the overall trend is a decrease in DEHP concentration.

Historically, site contaminants of concern continue to be found dissolved in groundwater in source reduction area downgradient well MW-30s; however, we were unable to sample the MW-30 well cluster during the 1Q09 sampling event because the water in the wells was frozen. For the previous seven events, no contaminants have been detected in wells MW-30i and MW-30d, with the exception of two small detections of DEHP in MW-30i, just slightly above the detection limit. This indicates that the vertical extent of site constituents of concern in the vicinity of the MW-30 cluster is limited to only the top five feet or less of the shallow water table (within the first five feet of aquifer immediately below the slurry monolith).

Although overall concentrations of all constituents of concern in MW-30s continue to trend significantly downward (as of October 2008, only DEHP remained above drinking water criteria in MW-30s), because of the fluctuating concentrations of DEHP in MW-30s, RMT prepared an RIW to further evaluate concentrations remaining in this area. This RIW was prepared to satisfy the requirements outlined in NJDEP's NOD letter received on June 25, 2008, as well as to address residual contamination just outside of the downgradient part of the main source reduction area (wetland area wells just installed in spring 2008; see discussion in following paragraphs). Comments on the RIW were received from both the USEPA and the NJDEP in late January. The scope of work outlined in the August 2008 RIW will also be presented in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO.

As part of the 1Q09 sampling event, RMT also sampled the five (5) wetland area wells (MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s) for groundwater quality. The location of these wells, with respect to the source reduction and wetland areas, are shown on Figures 2 & 3. Monitoring well MW-31s is located on the southern edge of the ditch where it bends around the Air Products property. Monitoring well MW-32s is south of MW-31s and is midway between the ditch and the Rockaway River. Monitoring well MW-33s is west-southwest of MW-32s and located near the entrance to the wetland area just off the northern bank of the Rockaway River. Monitoring well MW-34s is southeast of MW-32s. Monitoring well MW-35s is east of MW-34s, just upgradient from the river edge location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river.

During 1Q09, groundwater samples collected from all of the wetland area wells had concentrations of DEHP above the higher of the C2A NJGWQS and PQL. Groundwater samples collected from MW-31s, MW-32s, MW-34s and MW-35s also contained concentrations of ethylbenzene and total xylenes above the higher of the C2A NJGWQS and PQL (Table 2). Benzene was above the higher of the C2A NJGWQS and PQL at MW-32s, MW-34s and MW-35s (Table 2). The concentration trends of dissolved benzene, ethylbenzene, and xylenes will continue to be carefully monitored. Furthermore, additional investigations to determine nature and extent is proposed for this area as addressed in the Addendum to the 2004 Remedial Action Work Plan. The scope of work that will be proposed in the Addendum to the 2004 Remedial Action Work Plan will focus on gathering data that will be used to develop a means to prevent further discharge of groundwater contamination into the ditch and Rockaway River.

Based on the site wide groundwater flow map (Figure 3), the receptor downgradient from the central portion of the source reduction area represented by results from the MW-28 cluster is the drainage ditch. Groundwater from other portions of the source reduction area flows towards the wetland area and the Rockaway River.

Surface water elevation data for the man-made drainage ditch is consistent with its current configuration as a U-shaped "linear" pond formed as a result of a beaver dam (Figures 2 and 3).

Section 4
Surface Water Area of Concern (AOC)

The Rockaway River adjacent and downstream from the LEC site is classified as a Category 1 fresh water trout maintenance stream [Ref. Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006; (Dover) - Washington Pond outlet downstream to Rt. 46 bridge; FW2-TM (C1)]. As such, RMT compared COC concentrations detected in the drainage ditch and Rockaway River samples against the NJSWQC for Toxic Substances outlined in Section 7:9B-1.14(f) 7 of the Surface Water Quality Standard Reference.

4.1 Eastern Drainage Channel

As part of the 1Q09 event, RMT sampled five (5) points within the eastern drainage channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

During the 1Q09 sampling event, locations SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5 were sampled. Sample SW-D-1 is located at the upstream end (head) of the ditch. Sample SW-D-2 is located just downgradient of the bend around the Air Products property adjacent to the area where free product seeps were observed before completion of the source reduction. Sample SW-D-3 is located at the downgradient end of the ditch, just west of the connecting channel that feeds into the Rockaway River. Sample SW-D-4 is located just upgradient of the bend around the Air Products property on the LEC side of the ditch. SW-D-5, added during the 3Q06 event, is located within the channel that connects the ditch to the Rockaway River, just above [north] the beaver dam. All surface water sample locations are shown on Figure 2. The laboratory analytical results for these drainage ditch samples are summarized on Table 5.

DEHP was detected above NJSWQC at all five ditch locations. BTEX was not detected in any ditch sample except SW-D-4 where ethylbenzene and total xylenes were detected at 21 and 20 μg/L, respectively. Migration of site contaminants into the ditch environment will be addressed during the upcoming on-site investigations that will be included in the Addendum to the 2004 Remedial Action Workplan.

4.2 Rockaway River

In addition to the drainage channel, RMT also collected seven (7) surface water samples from the Rockaway River (Ref. Figure 2 and Table 5).

Sample SW-R-1 was collected near the river edge adjacent to the location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river. As discussed in earlier reports, the sheen was discovered in 2004 as a visible coloration on top of quiescent water pooled within the wetland area. The surface water sample from SW-R-1 was non-detect for DEHP and BTEX.

River sample SW-R-2 was taken directly upstream of the SW-R-1 location. The surface water sample collected in the river at SW-R-2 did not contain detectible concentrations of BTEX or DEHP.

River sample SW-R-3 was taken upstream of SW-R-2, near the SG-R3 staff gauge. The surface water sample collected in the river at SW-R-3 did not contain any detectible concentrations of BTEX or DEHP.

Rockaway River surface water samples SW-R-4 and SW-R-6, and Washington Forge Pond surface water sample SW-R-5 were non-detect for all site COCs.

Another surface water sample was collected in the ditch near its intersection with the Rockaway River (approximately 10 feet upstream in the drainage channel; see Figure 2). This location represents the discharge point from the ditch/beaver pond into the Rockaway River. Similar to the other river samples collected, the "Ditch-River Confluence" sample DRC-2 was non-detect for BTEX and DEHP.

Surface water sampling at the eastern drainage ditch as well as the Rockaway River and Washington Forge Pond will continue to take place during each quarterly monitoring event. Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP.

Section 5
Additional and Future Project Activities

The following section briefly outlines additional activities completed in 1Q09 and activities anticipated for completion during 2Q09 and beyond. An updated Master Project Schedule is presented in Appendix E.

5.1 MW-30 Source Area Remedial Investigation Workplan

On August 22, 2008, RMT submitted to NJDEP and USEPA a Remedial Investigation Workplan (RIW) regarding dissolved phase contamination entering the ditch and river. The RIW was submitted in response to the requirements outlined in NJDEP's NOD received on June 25, 2008. The RIW scope also addressed the delineation of LNAPL in the wetland area. USEPA and NJDEP comments on the August 2008 MW-30 Source Area RIW were received January 22, 2009 and January 30, 2009, respectively. The scope of work outlined in the August 2008 RIW (including responses to USEPA and NJDEP comments) will be presented in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO.

5.2 MW19/Hot Spot 1 Soil Gas Investigation and RASR

On May 9, 2006, RMT, on behalf of LEC, submitted a soil gas investigation report documenting field implementation and the results of a soil gas investigation conducted in the MW19/Hot Spot 1 area to comply with the October 2005 NJDEP Vapor Intrusion Guidance and revised NJDEP Field Sampling Procedures Manual (August 2005). The soil gas study results showed that migration of on-site soil and groundwater contamination via the vapor intrusion pathway was not taking place and no soil gas issues were found relative to the residences along the north side of Ross Street.

During a January 23, 2007 phone conversation, NJDEP indicated that formal regulatory response following review of this report would be forwarded to both LEC and RMT by the end of February 2007. LEC received an NOD comment letter from the NJDEP, dated June 20, 2007. RMT, on behalf of LEC, prepared a request for a 45-day extension dated July 17, 2007 for the submittal of the RASR outlined in the NJDEP NOD. NJDEP approved the 45-day extension. Subsequently, LEC performed a source area investigation and submitted the RASR to NJDEP and USEPA on September 4, 2007. NJDEP issued comments on the RASR in their NOD letter dated October 16, 2008. RMT, on behalf of LEC, prepared an RIW to address the NOD and submitted it to the NJDEP and USEPA on November 14, 2008.

Subsequent discussions with USEPA regarding the MW19HS1 area resulted in the submittal of an LOI (RMT, January 5, 2009). The LOI outlined a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November 2008 RIW and September 2007 RASR respectively. Specifically, the LOI proposed concurrent implementation of investigation and remediation, and focused the remedial alternative on soil excavation only. The streamlined approach outlined above will be presented in an Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) within thirty (30) days of the effective date of the anticipated UAO.

5.3 Wetland Monitoring, Invasive Species Control, and Reporting

Spring and fall 2009 monitoring and invasive species control events are tentatively scheduled for May and September 2009. 2009 is considered the fifth and final growing season where monitoring and reporting is required by the 2005 GP-4 wetlands permit. Wetland restoration, monitoring and reporting issues will be addressed with USEPA prior to implementation of the MW-30 Source Area RIW.

Tables

TABLE 1
L.E. Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Elevations

WELL LOCATION	MONITORING DEVICE TYPE	PROFESSIONAL SURVEY INFORMATION (2)					QUARTERLY MEASUREMENT INFORMATION						
		BASELINE LOCATION (FT) NJ State Plane Coordinates		ELEVATION (FT. MSL)									
		(Y) North	(X) East	GROUND (6)	OUTER CASING	INNER WELL CASING	MEAS. DATE	PRODUCT DEPTH	WATER DEPTH	PRODUCT ELEVATION	WATER ELEVATION	PRODUCT THICKNESS (FT)	CORRECTED WATER ELEVATION
GEI-2I	Piezometer	754573.99	470499.76	635.32	637.75	637.60	12-Jan-09		9.85	--	627.75		
GEI-2S	Piezometer	754566	470506.18	634.86	637.27	637.07	12-Jan-09		9.75	--	627.32		
GEI-3I	Piezometer	754311.79	470453.7	636.96	639.39	639.25	12-Jan-09		12.08	--	627.17		
MW-8	Monitoring Well	754099.29	471251.06	627.39	629.96	628.19	12-Jan-09		2.70	--	625.49		
MW-9	Monitoring Well	754075.94	471111.03	628.61	631.09	629.58	12-Jan-09		3.43	--	626.15		
MW-12S(R)	Monitoring Well	754055.97	471042.34	631.57	634.26	633.73	12-Jan-09		7.55	--	626.18		
MW-13S	Monitoring Well	754353.97	471370.04	627.74	630.80	630.63	12-Jan-09		4.99	--	625.64		
MW-13S(R)	Monitoring Well	754333.07	471365.71	627.66	630.36	629.99	12-Jan-09		NM	--	--		
MW-13I	Monitoring Well	754337.8	471360.31	627.76	630.28	630.06	12-Jan-09		4.15	--	625.91		
MW-15S	Monitoring Well	754326.58	470891.83	634.23	636.43	636.17	12-Jan-09		9.70	--	626.47		
MW-15I	Monitoring Well	754325.8	470901.47	634.14	636.28	636.06	12-Jan-09		9.68	--	626.38		
MW-17(S)	Monitoring Well	754109.68	470759.85	632.35	634.32	634.19	12-Jan-09		7.54	--	626.65		
MW-18S	Monitoring Well	754677.95	471117.26	627.62	630.88	630.66	12-Jan-09		4.56	--	626.10		
MW-18I	Monitoring Well	754675.11	471106.07	627.75	630.59	630.44	12-Jan-09		4.14	--	626.30		
MW-19	Monitoring Well	754537.15	470454.45	636.22	636.23	635.90	12-Jan-09		8.51	--	627.39		
MW-19-1	Monitoring Well	754534.52	470427.63	635.93	635.96	635.64	12-Jan-09		8.19	--	627.45		
MW-19-2	Monitoring Well	754551.81	470429.56	636.46	636.50	636.30	12-Jan-09		8.89	--	627.41		
MW-19-3	Monitoring Well	754539.4	470394.2	636.97	637.06	636.70	12-Jan-09		9.21	--	627.49		
MW-19-4	Monitoring Well	754505.39	470432.08	635.69	635.76	635.43	12-Jan-09		7.85	--	627.58		
MW-19-5	Monitoring Well	754565.53	470470.75	635.93	635.93	635.56	12-Jan-09		8.21	--	627.35		
MW-19-6	Monitoring Well	754578.87	470443.1	636.17	636.16	635.82	12-Jan-09		8.42	--	627.40		
MW-19-7	Monitoring Well	754595.66	470501.7	635.31	635.36	635.00	12-Jan-09		7.75	--	627.25		
MW-19-8	Monitoring Well	754617.42	470493.65	635.82	635.82	635.36	12-Jan-09		8.05	--	627.31		
MW-19-9D	Monitoring Well	754590	470442	636.39	636.41	636.10	12-Jan-09		8.10	--	628.00		
MW-19-10	Monitoring Well	754625.75	470590.81	634.72	634.81	634.43	12-Jan-09		NM	--	--		
MW-19-11	Monitoring Well	754617.45	470546.95	634.22	634.26	633.67	12-Jan-09		NM	--	--		
MW-19-12	Monitoring Well	754627.53	470529.72	634.93	634.93	634.46	12-Jan-09		7.36	--	627.10		
MW-21 (3)	Monitoring Well	754240.97	471645.78	624.57	628.49	628.20	12-Jan-09		2.72	--	625.48		
MW-25(R) (3)	Monitoring Well	754201.83	471518.21	624.65	626.77	626.62	12-Jan-09		2.19	--	624.43		
MW-27s	Monitoring Well	754253.78	470672.69	635.82	635.78	635.07	12-Jan-09		8.01	--	627.06		
MW-28S	Monitoring Well	754243.26	471034.34	628.20	631.28	631.14	12-Jan-09		5.20	--	625.94		
MW-28I	Monitoring Well	754242.87	471031.19	628.25	631.20	631.04	12-Jan-09		5.01	--	626.03		
MW-29S	Monitoring Well	754411.14	471187.85	629.94	632.83	632.66	12-Jan-09		6.85	--	625.81		
MW-30S	Monitoring Well	754281.65	471265.12	624.99	628.24	628.24	12-Jan-09		NM	--	--		
MW-30I	Monitoring Well	754286.42	471263.15	625.14	628.15	628.01	12-Jan-09		NM	--	--		
MW-30D	Monitoring Well	754290.05	471261.2	625.20	628.22	628.02	12-Jan-09		NM	--	--		
MW-31S	Monitoring Well	754241.65	471341.5	627.94	630.00	629.82	12-Jan-09		4.68	--	625.14		
MW-32S	Monitoring Well	754207.08	471359.83	628.15	630.33	630.18	12-Jan-09	5.84	5.86	--	624.32	0.02	624.34
MW-33S	Monitoring Well	754170.51	471311.04	628.85	631.06	630.91	12-Jan-09		6.01	--	624.90		
MW-34S	Monitoring Well	754178.83	471399.49	628.07	629.97	629.93	12-Jan-09		5.25	--	624.68		
MW-35S	Monitoring Well	754179.62	471445.17	627.43	629.59	629.19	12-Jan-09		4.51	--	624.68		
SG-R2 (3)	Rockaway River Monitoring Point	754056.10	470946.46	629.41	-	-	12-Jan-09		2.48	--	626.93		
SW-R-1 (4)	Rockaway River Monitoring Point	754125.56	471523.00	625.87	-	-	12-Jan-09		2.43	--	623.44		
SW-R-2 (4)	Rockaway River Monitoring Point	754112.82	471426.51	626.54	-	-	12-Jan-09		2.53	--	624.01		
SW-R-3 (4)	Rockaway River Monitoring Point	754149.30	471368.76	626.25	-	-	12-Jan-09		1.72	--	624.53		
SW-R-4 (4)	Rockaway River Monitoring Point	754088.00	471279.58	627.57	-	-	12-Jan-09		2.41	--	625.16		
SW-R-5 (4)	Rockaway River Monitoring Point	754314.04	470408.85	640.66	-	-	12-Jan-09		1.63	--	639.03		
SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	631.68	-	-	12-Jan-09		NM	--	--		
SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	625.75	-	-	12-Jan-09		1.89	--	623.86		
SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	626.07	-	-	12-Jan-09		2.14	--	623.93		
SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	625.70	-	-	12-Jan-09		1.71	--	623.99		
SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08	624.93	-	-	12-Jan-09		1.01	--	623.92		
SW-D-5	Drainage Channel Monitoring Point	754223.14	471920.10	626.86	-	-	12-Jan-09		3.11	--	623.75		
DRC-2	Drainage Channel Monitoring Point	754117.49	471971.58	623.29	-	-	12-Jan-09		1.84	--	621.45		

FOOTNOTES

(1) Reference elevation measured at the top of a 3.33 ft. Staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.
(2) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88
(3) New SG-R2 replaced the old SG-R2 installed in Nov. 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA May 2004. SG-R2 is a chiseled arrow on Iron Beam
(4) As outlined in the PRMP the six (6) new Rockaway River monitoring points reference survey elevation was shot at the top of a stake installed to each point
(5) SW-D-1, SW-D-2 and SW-D-3 were resurveyed points at the top of the stake that secures each drainage ditch staff gauge.
These points were reshot to insure the reference elevation integrity remained for each of the 3 staff gauges as a result of source reduction remedial disturbance.
(6) Ground reference elevation for SG and SW series gauges and monitoring points is a point specific to each devise (I.e., top of stake, to of gauge, notched point on concrete or iron etc)
(7) Corrected water level elevations utilize an average specific gravity of 0.9363 (RMT, Inc. product samplig in October 1999)

MW-19

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
MW19							
Dilution factor for BTEX 2000	24-Feb-95	1	< 660	1,700	110,000	10,000	NR
Dilution factor for BTEX 100	14-Jun-95	2	150	3,400	140,000	17,000	NS
Dilution factor 5000 for BTEX & 2 for DEHP; MDL for Benzene 1000 ug/l	24-Apr-98	2	< 1,000	2,850	76,700	14,900	7
Dilution factor for BTEX 500	2-Aug-01	3	< 95	3,000	62,000	17,000	3
Dilution factor for BTEX 1000	6-Jun-02	2	< 200	1,000	30,000	6,000	6
Dilution factor for BTEX 100, Toluene 200	20-Nov-03	4	< 20	1,500	40,000	7,400	J 6
	15-Jun-04	2	< 100	1,400	46,000	6,600	J 4
Dilution factor for BTEX 100, Toluene 500	10-Aug-04	3	< 20	2,100	56,000	11,000	J 2
Dilution factor for BTEX 50	13-Jan-05	1	< 10	750	18,000	3,600	< 1
Lower Grab Water Sample; Dilution factor for BTEX 5	8-Apr-05	2	< 1	97	1,300	530	J 3
Upper Grab Water Sample; Dilution factor for Toluene 5	8-Apr-05	2	< 0.2	86.0	410.0	430.0	J 3.0
Dillution factor for BTEX 200	27-Jul-05	3	< 40	1,100	44,000	6,000	J 2
Dillution factor for BTEX 100	27-Oct-05	4	< 20	200	10,000	1,200	J 5
Dillution factor for BTEX 250	28-Feb-06	1	< 50	880	28,000	4,900	J 3
Dillution factor for BTEX 200	20-Jun-06	2	< 40	1,600	53,000	8,700	J 3
Dillution factor for BTEX 200	13-Sep-06	3	< 40	2,100	51,000	11,000	J 3
Dillution factor for BTEX 200	8-Nov-06	4	< 40	2,200	59,000	11,000	J 2
Dillution factor for BTEX 500	8-Feb-07	1	< 500	1,900	93,000	9,800	< 1
Dillution factor for BTEX 50, Toluene 200	27-Jun-07	2	< 50	680	32,000	3,000	< 1
Dillution factor for BTEX 100, Toluene 500	12-Sep-07	3	< 100	1,500	76,000	7,300	3
Dilution factor for BTEX 250, DEHP 1.1	4-Dec-07	4	< 250	1,500	49,000	7,500	< 1
	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1
Dillution factor for BEX 100, Toluene 200, DEHP 1.05	7-May-08	2	< 100	650	26,000	2,800	< 1
Dillution factor for Benzene 10, Ethylbenzene & Xylenes 200, Toluene 500	23-Jul-08	3	< 10	1,000	35,000	5,400	< 1
Dillution factor for BTEX 200	29-Oct-08	4	< 40	1,400	43,000	6,800	J 3
Dillution factor for Benzene 50, Ethylbenzene & Xylenes 50, Toluene 500	14-Jan-09	1	< 45	700	34,000	3,500	J 2
MW19-4							
	12-Mar-98	1	< 0.2	< 0.1	< 0.1	< 0.5	< 1.3
	2-Aug-01	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5
	6-Jun-02	2	< 0.22	< 0.18	< 0.24	< 0.20	< 0.50
	19-Nov-03	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	2.2	< 0.6	< 1.0
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP 10	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	17
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP 1.11	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	1.1
Dilution factor for DEHP 1.11	6-May-08	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW19-5							
Dilution factor for BTEX 5000	12-Mar-98	1	< 1,000	1,920	123,000	10,100	42
Dilution factor for BTEX 1000	2-Aug-01	3	< 190	870	79,000	5,200	3
Dilution factor for BTEX 500	7-Mar-02	1	< 140	300	10,000	1,700	1
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2	< 1,100	1,100	92,000	6,300	< 10
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2 duplicate	< 1,100	1,300	92,000	6,900	< 9
	19-Nov-03	4	< 0.2	< 0.2	4.3	J 0.9	< 0.9
	18-Dec-03	4 resample	< 0.2	3.7	240.0	24.0	< 0.9
	16-Jun-04	2	< 100	1,400	83,000	7,400	J 1
	10-Aug-04	3	< 200	2,800	140,000	14,000	J 1
Dilution factor for BTEX 10	13-Jan-05	1	< 2	64	3,100	340	< 1
Dilution factot for BTEX 200, Lower Grab Water Sample	9-Apr-05	2	< 40	1,000	27,000	5,300	J 1
Upper Grab Water Sample	9-Apr-05	2	< 0.2	J 0.4	9.5	J 2.3	< 1.0
Dillution factor for BTEX 500	26-Jul-05	3	< 100	2,600	100,000	13,000	< 1
	27-Oct-05	4	< 0.2	6.8	140.0	37.0	< 1.0

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
Dillution factor for BTEX 100	28-Feb-06	1	< 20	290	19,000	1,500	< 1
Dillution factor for BTEX 20	20-Jun-06	2	< 4	130	4,000	730	< 1
Dillution factor for BTEX 100	13-Sep-06	3	< 20	550	25,000	2,800	< 1
Dillution factor for BTEX 100	8-Nov-06	4	< 20	410	22,000	2,000	9
Dillution factor for BTEX 500	8-Feb-07	1	< 500	2,100	98,000	10,000	< 1
Dillution factor for BTEX 100, Toluene 1000	27-Jun-07	2	< 100	1,700	98,000	8,200	< 1
Dillution factor for BTEX 100, Toluene 500	12-Sep-07	3	< 100	1,100	67,000	5,200	1
Dillution factor for BEX 200, Toluene 50, DEHP 1.1	4-Dec-07	4	< 200	820	4,400	4,200	< 1
	20-Feb-08	1	< 1	8	190	45	< 1
Dillution factor for Toluene 5 [DUP-03]	20-Feb-08	1 duplicate	< 1	6	200	34	< 1
Dillution factor for BEX 5, Toluene 100, DEHP 1.05	7-May-08	2	7.2	270	15,000	1,300	< 1
	22-Jul-08	3	< 1.0	2,300	95,000	12,000	< 1
Dilution factor for BTEX 5	29-Oct-08	4	< 1.0	11	450	68	< 1
Dilution factor for BEX 5 and Toluene 50	14-Jan-09	1	< 5.0	64	3,800	360	< 1
MW19-6							
Dilution factor for BTEX 200	15-Nov-99	4	< 62	94	3,400	500	32
Dilution factor for BTEX 2	1-Aug-01	3	< 0.4	14.0	390.0	47.0	28
	5-Jun-02	2	< 0.22	1.70	13.00	4.10	2.30
	18-Nov-03	4	< 0.2	< 0.2	J 0.3	< 0.6	J 6.0
	17-Jun-04	2	< 0.2	J 0.4	1.1	1.2	J 3.0
	10-Aug-04	3	< 0.2	4.6	38.0	18.0	J 4.0
	13-Jan-05	1	< 0.2	4.0	36.0	14.0	J 1.0
Lower Grab Water Sample	9-Apr-05	2	< 0.2	16.0	160.0	64.0	< 1.0
Upper Grab Water Sample	9-Apr-05	2	< 0.2	11.0	74.0	37.0	< 1.0
	26-Jul-05	3	< 0.2	3.6	27.0	14.0	J 2.0
	27-Oct-05	4	< 0.2	5.4	110.0	25.0	< 0.9
	28-Feb-06	1	< 0.2	5.8	65.0	23.0	< 1.0
	20-Jun-06	2	< 0.2	1.7	3.2	5.0	< 1.0
	20-Jun-06	2 duplicate	< 0.2	1.7	3.2	4.9	< 1.0
	12-Sep-06	3	< 0.2	J 0.3	1.0	J 0.9	< 1.0
	7-Nov-06	4	< 0.2	J 0.3	< 0.2	J 0.6	< 0.9
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.25	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW19-7							
Dilution factor for BTEX 50	15-Nov-99	4	< 16	100	51	1,400	< 4
Dilution factor for BTEX 2	1-Aug-01	3	6.7	6.6	13.0	680	< 0.4
Dilution factor for BTEX 5	7-Mar-02	1	3	< 1	< 1	250	2
	5-Jun-02	2	0.48	1.60	27.00	27	< 0.40
	19-Nov-03	4	4.7	J 0.4	J 0.3	460	J 1.0
	16-Jun-04	2	J 2.8	130.0	2,100.0	630	< 1.0
	16-Jun-04	2 duplicate	J 4	130	2,100	610	< 1
	10-Aug-04	3	2	2	1	20	< 1
Dilution factor for BTEX 2	12-Jan-05	1	6.1	90.0	240.0	760	< 1.0
	12-Jan-05	1 duplicate	2.9	45.0	120.0	380	< 1.0
Lower Grab Water Sample; Dilution factor for BTEX 25	7-Apr-05	2	J 9.5	210.0	2,700	1,400	< 1.0
Upper Water Grab Sample; Dilution factor for BTEX 10	7-Apr-05	2	J 13	370	5,600	2,300	< 1
Lower Grab Water Sample	27-Jul-05	3	2.2	< 0.2	J 0.2	J 1.7	< 0.9
Upper Grad Water Sample	27-Jul-05	3	1.5	< 0.2	J 0.5	J 2.4	< 1.0
Dilution factor for BTEX 200	27-Oct-05	4	J 62	710	16,000	3,600	< 1
Dilution factor for Total Xylenes 5	28-Feb-06	1	7.5	4.9	J 0.3	870	< 1.0
Dilution factor for Total Xylenes 5	28-Feb-06	1 duplicate	7.5	5.0	J 0.3	840	< 0.9
	20-Jun-06	2	6.5	19.0	J 0.6	550	< 1.0
Dilution factor for Total Xylenes 5	12-Sep-06	3	4.9	33.0	J 0.3	440	< 1.0
	8-Nov-06	4	2.6	< 0.2	< 0.2	26	< 0.9
	7-Feb-07	1	2.6	< 1.0	< 5.0	< 3.0	< 1.0
	7-Feb-07	1 duplicate	2.6	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	23	< 1.0

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.1	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
	19-Feb-08	1	< 1.0	7.3	55.0	36	< 1.0
Dillution for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	5.6	< 1.0
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Oct-08	4 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Jan-09	1	< 0.9	J 3.0	J 3.0	32.0	< 1.0
MW19-12	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	6-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.11	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
GEI-2S							
	24-Feb-95	1	< ***8.2***	46	***1,500***	380	***7.6***
	25-Mar-98	1	NS	NS	NS	NS	B 2.5
	6-Jun-02	2	***1.2***	2.6	16	5.1	2.4
	18-Dec-03	4	< 0.2	< 0.2	J 0.4	< 0.6	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.18	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for Toluene 10	22-Jul-08	3	***8.7***	34	1,000	170	< 1.0
Dillution for Toluene 10	22-Jul-08	3 duplicate	***8.1***	31	830	160	< 1.0
	28-Oct-08	4	J 0.3	J 0.4	J 0.6	J 1.3	J 3.0
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW-8							
	1-Sep-89	3					
	1-Jan-90	1					
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	15	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***8.0***
MW-25R							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	1.6
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.29	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
MW-27s							
	22-Jun-06	2	J 0.6	3.7	3.9	14	J 3.0
	11-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.2
Dillution factor for DEHP is 1.4	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.4
Dillution factor for DEHP is 1.18	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
Dillution factor for DEHP is 1.18	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW-28s							
Dilution factor for BTEX 5	21-Jun-06	2	J ***1.6***	560.0	< 1.0	***1,400***	***100***
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3	J 0.2	210.0	< 0.2	450	***570***
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 duplicate	J 0.3	220.0	< 0.2	470	***550***
Dilution factor for DEHP 10	7-Nov-06	4	< 0.2	92.0	< 0.2	180	***250***
Dillution factor for DEHP is 20	7-Feb-07	1	< 1.0	70.0	< 5.0	150	***260***
Dillution factor for DEHP is 20	7-Feb-07	1 duplicate	< 1.0	58.0	< 5.0	130	***250***
	27-Jun-07	2	< 1.0	30.0	< 5.0	56	***28***
Dillution factor for DEHP is 5	12-Sep-07	3	< 1.0	17.0	< 5.0	42	***49***
Dillution for DEHP is 1.2	6-Dec-07	4	< 1.0	32.0	< 5.0	96	***14***
Dillution for DEHP is 20	20-Feb-08	1	< 1.0	14.0	< 5.0	36	***39***
Dillution for DEHP is 11.1	7-May-08	2	< 1.0	2.7	< 5.0	6.6	***160***
Dillution for DEHP is 20	23-Jul-08	3	< 1.0	37	< 5.0	93	***420***
Dillution for DEHP is 10	23-Jul-08	3 duplicate	< 1.0	41	< 5.0	100	***290***
Dilution factor for DEHP 10	29-Oct-08	4	< 0.2	4.3	< 0.2	15	***300***
Dilution factor for DEHP 10	15-Jan-09	1	< 0.9	17.0	< 0.8	64	***140***
MW-28i							
Dilution factor for BTEX 5	22-Jun-06	2	< 1.0	480.0	< 1.0	***1,300***	***270***
Dillution factor for Xylene and DEHP is 5	13-Sep-06	3	< 0.2	72.0	J 0.6	520	***180***
	7-Nov-06	4	< 0.2	10.0	< 0.2	14	***90***
Dillution factor for DEHP is 10	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	***76***
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	***3.9***
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	***21***
Dillution for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.4
Dillution for DEHP is 5	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	***31***
Dillution for DEHP is 1.11	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	***28***
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	***49***
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	***110***
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***61***
	15-Jan-09	1 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	***41.0***
MW-29s							
	22-Jun-06	2	< 0.2	J 0.2	< 0.2	J 0.6	J 1.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	***31***
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Deillution for DEHP 1.2	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.05 [DUP-02]	19-Feb-08	1 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.18	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0
	29-Oct-08	4 duplicate	< 0.2	< 0.2	J 0.2	< 0.6	< 0.9
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW-30s							
	21-Jun-06	2	< 1.0	***1,200***	J 1.3	***3,900***	***740***
Dilution factor for BTEX 20, DEHP is 500	13-Sep-06	3	< ***4.0***	***1,200***	46.0	***5,100***	***19,000***
Dilution factor for BTEX 5, DEHP is 100	9-Nov-06	4	< 1.0	540	< 1.0	***2,600***	***2,500***
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
Dilution factor for BTEX 5, DEHP is 2000	26-Jun-07	2	***2.1***	300	< 25	***1,200***	***13,000***
Dilution factor for DEHP is 50	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	***880***
Dilution factor for DEHP is 200	12-Sep-07	3 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	***1,700***
Dillution factor for DEHP is12, BTEX is 5	6-Dec-07	4	***1.5***	34.0	110	260	***200***
Dillution factor for DEHP is 111, BTEX is 5	20-Feb-08	1	< ***5.0***	110	< 25	480	***3,800***
Dillution factor for Total Xylene is 5, DEHP is 1.25	8-May-08	2	< 1.0	100	< 5.0	460	***9.6***

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
	22-Jul-08	3	< 1.0	14	< 5.0	86	***80***
DEHP dilution 5	29-Oct-08	4	< 0.2	80	J 0.2	290	***180***
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
MW-30i							
	21-Jun-06	2	J 0.3	38	1.4	170	J 2.0
	13-Sep-06	3	< 0.2	1.5	< 0.2	4.9	***19***
	8-Nov-06	4	< 0.2	J 0.2	< 0.2	< 0.6	J 1.0
	8-Nov-06	4 duplicate	< 0.2	J 0.2	< 0.2	< 0.6	< 1.0
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.3
Dillution factor for DEHP 1.2	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
Dillution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.18	7-May-08	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
MW-30d							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	J 3.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J ***9.0***
	8-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.1	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
Dillution factor for DEHP 1.1	4-Dec-07	4 duplicate	< 1.0	< 1.0	7.7	< 3.0	< 1.1
Dillution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP 1.05	7-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	15-Jan-09	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
MW-31s							
Dillution factor for BTEX 500, DEHP 83.5	8-May-08	2	< ***500***	***5,500***	< ***2,500***	***27,000***	***310***
Dillution factor for Benzene & Toluene 20, Ethylbenzene and Xylenes 250 DEHP 500	23-Jul-08	3	< ***20***	***9,000***	< 100	***49,000***	***16,000***
Dillution factor for BTEX 50, DEHP 10	30-Oct-08	4	< ***10***	***7,900***	< 10	***40,000***	***760***
Dillution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 100 DEHP 50	14-Jan-09	1	< 0.9	***4,400***	J 46	***25,000***	***3,100***
MW-32s							
Dillution factor for BTEX 200, DEHP 121000	8-May-08	2	< ***200***	***16,000***	< 1,000	***75,000***	***370,000***
Dillution factor for Benzene & Toluene 50, Ethylbenzene and Xylenes 250 DEHP 200	23-Jul-08	3	< ***50***	***8,600***	< 250	***43,000***	***7,900***
BTE 5, Xylenes 10, DEHP 100	30-Oct-08	4	J ***1.1***	***1,200***	J 1.7	***6,900***	***4,600***
Dilution for BTE 50, Xylene 500, DEHP 500	15-Jan-09	1	< ***45.0***	***8,900***	< 40.0	***40,000***	***12,000***
MW-33s							
Dillution factor for DEHP 1.25	8-May-08	2	***4***	6.6	< 5.0	27	***16***
	23-Jul-08	3	***1.8***	< 1.0	< 5.0	3.3	***21***
Dilution factor for DEHP 50	30-Oct-08	4	J 0.4	J 0.6	J 0.3	< 3.0	***5,500***
Dilution factor for DEHP 200	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	***3,400***
MW-34s							
Dillution factor for Ethylbenzene and Total Xylenes 5, DEHP 1.33	6-May-08	2	***1.3***	230	< 5.0	***1,200***	3.0
Dillution factor for BTEX 20	23-Jul-08	3	< ***20.0***	470	< 100.0	***2,300***	1.6
	30-Oct-08	4	< 0.2	2	< 0.2	180	***7.0***
Dilution factor for BTE 10, Xylene 100	15-Jan-09	1	< ***9.0***	***2,700***	J 16.0	***13,000***	***7.0***
MW-35s							
Dillution factor for Ethylbenzene and Total Xylenes 500, DEHP 57	6-May-08	2	***1.3***	230	< 5.0	***1,200***	***490***
Dillution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 250 DEHP 20	23-Jul-08	3	***16.0***	***12,000***	260.0	***67,000***	***530***
Dilution factor for Xylenes 100, Benzene 20, Toluene 20, Ethlbenzene 100 DEHP 10	30-Oct-08	4	J ***9.6***	***8,800***	34.0	***57,000***	***460***
Dilution factor for Benzene and Toluene 20, Ethylbenzene, Xylene and DEHP 200	15-Jan-09	1	< ***18.0***	***12,000***	J 36.0	***88,000***	***3,500***

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
Atmospheric Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	26-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	J 1.9	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
ATM-01	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
ATM-01, Dillution factor for DEHP 1.08	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
Rinsate Blank							
	14-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	22-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
RB-03	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
RB-01	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
Trip Blank							
	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	12-Sep-06	3	< 0.2	J 0.2	< 0.2	< 0.6	NA
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	6-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA

TABLE 2
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Groundwater Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA
	18-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	NA
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA
TB-03	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
TB-04	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
TB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	NA

LEGEND

ug/L = micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision

NA = Not Applicable
NS = Not Sampled
ND: No Detection
duplicate = Duplicate sample

Concentration exceeds NJGWQS **1.2**

B: Analyte also detected in blank

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

NOTES

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

(3) GEI series wells, MW-19-3, and MW-19-4 are not sampled under revised groundwater monitoring program effective 1Q05.

TABLE 3

Through 1st Quarter 2009

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	30	***589***	ND	ND	0.054	3.6 J	150	NS
	3Q04	630	30.9	***553***	ND	ND	0.12	1.7 J	230	NS
	1Q05	350	17.2	347	0.22	ND	ND	7.4	230	NS
	2Q05[L]	390	10.8 J	413	2.8	ND	ND	33.3	3.0 J	NS
	2Q05[U]	1,400	15	455	3	ND	ND	30	2.0 J	NS
	3Q05	3	67	***1,070***	0	1.3	ND	6	33	NS
	4Q05	120	23	***620***	1	0.88	ND	37	19	NS
	1Q06	25	36	***559***	ND	ND	ND	3.3 J	140	NS
	2Q06	56	44	460	ND	0.43 J	ND	3.2 J	95	ND
Dilution factor for Methane 5	3Q06	60	13	435	ND	0.43 J	ND	5	310	ND
Dilution factor for Methane 100	4Q06	20	16	411	ND	ND	0	2.9 J	1,700	ND
	1Q07	140	7	340	ND	ND	ND	ND	540	ND
	2Q07	180	20	***1,100***	ND	0.62	ND	ND	380	ND
	3Q07	1,200	23	***710***	ND	0.76	0	ND	300	ND
	4Q07	FS	30	500	ND	0.64	0	ND	680	ND
	1Q08	150	3.6	190	2	ND	ND	25	ND	ND
Dilution factor for Dissolved Lead 5	2Q08	1,900	26	***1,200***	ND	0.52	ND	ND	650	ND
	3Q08	740	6.2	***820***	ND	0.57	ND	ND	510	ND
Dilution for methane 50	4Q08	120	8.0 J	***662***	ND	0.60	0.14	ND	4,000	ND
Dilution for sulfate 5, methane 10	1Q09	13	25.2	356	ND	ND	ND	3.6 J	2,200	ND
MW-19-4	1Q06	12	ND	***730***	2.4	ND	ND	37.4	ND	NS
	2Q06	520	8.4 J	***774***	2.8	ND	ND	45.8	ND	ND
Dilution factor for Nitrate 5	3Q06	85	ND	***740***	4.8	ND	ND	50.9	ND	ND
Dilution factor for Nitrate 5	3Q06D	92	ND	***733***	4.9	ND	ND	50.1	ND	ND
	4Q06	29	ND	***529***	3	ND	ND	47.1	ND	ND
	1Q07	54	3	340	1.7	ND	ND	37	ND	ND
	2Q07	110	1.4	***1100***	1.7	ND	ND	29	ND	ND
	3Q07	160	1.2	***660***	1.8	ND	ND	40	ND	ND
	3Q07D	160	ND	***660***	1.8	ND	ND	40	ND	ND
	4Q07	FS	1.3	***710***	2.6	ND	ND	38	ND	ND
	4Q07D	FS	ND	***730***	2.6	ND	ND	38	ND	ND
	1Q08	270	1.2	***790***	1.8	ND	ND	24	ND	ND
	2Q08	100	2.1	***860***	1.1	ND	ND	32	ND	ND
DUP-02	2Q08D	80	2.1	***870***	1.1	ND	ND	32	ND	ND
	3Q08	45	1	***660***	0.73	ND	ND	33	ND	ND
	4Q08	150	ND	***691***	1.6	ND	ND	44.7	ND	***0.0142 J***
	1Q09	31	ND	***840***	1.8	ND	ND	37.9	ND	ND
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	14	***942***	0.06 J	ND	ND	15.7	2100	NS
	1Q05	380	3.6 J	174	0.49	ND	ND	15.8	34	NS
	2Q05[L]	3000	3.6 J	177	ND	ND	ND	12	380	NS
	2Q05[U]	100	3.6 J	141	0.43	ND	ND	8.7	ND	NS
	3Q05	69	6.8 J	463	ND	ND	ND	7.7	1700	NS
	4Q05	58	ND	144	0.38	ND	ND	12.8	3.8 J	NS
	1Q06	12	ND	287	0.97 J	ND	ND	11.2	290	NS
	2Q06	22	9.2 J	190	0.19	ND	ND	14.2	150	ND
Dilution factor for Methane 10	3Q06	30	ND	275	0.12	ND	ND	10.2	700	ND
Dilution factor for Methane 10	4Q06	620	ND	236	0.1	ND	ND	10.9	640	ND
	1Q07	240	7	340	ND	0.51	ND	ND	500	***0.011***
	2Q07	91	18	350	ND	0.13	ND	ND	570	ND
Dilution factor for Methane 4	3Q07	110	7.8	360	ND	ND	ND	ND	840	ND
	4Q07	FS	5.1	240	0.13	0.14	0.12	7.8	370	ND
	1Q08	380	1.9	120	0.16	ND	ND	7.2	ND	ND
	1Q08D	170	1.8	120	0.15	ND	ND	7.2	ND	ND
	2Q08	560	3.3	370	0.15	ND	ND	13	340	ND
Dilution factor for Methane 4	3Q08	100	16	***560***	ND	0.3	ND	ND	1,500	ND
	4Q08	46	ND	164	0.35	ND	ND	15.1	59	ND
Dilution factor for Methane 2	1Q09	33	ND	143	0.047 J	ND	ND	11	530	ND
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	10.4 J	***1670***	1.6	ND	ND	37.3	140	NS
	3Q04	110	18.8	***1240***	1.1	ND	0.062	38.3	140	NS
	1Q05	82	11.2 J	***544***	1.7	ND	ND	44	130	NS
	2Q05[L]	23	18	***1180***	1.3	0.29 J	ND	33.5	44	NS
	2Q05[U]	160	ND	***1190***	1	ND	ND	32.7	96	NS

TABLE 3

Through 1st Quarter 2009

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	3Q05	90	40.8	***1520***	1.1	ND	ND	35	38	NS
	4Q05	43	10.8 J	***940***	3.5	ND	ND	47.8	43	NS
	1Q06	14	4.4 J	***634***	1.8	ND	ND	36.6	50	NS
	2Q06	14	ND	***802***	2	ND	ND	38.3	44	ND
	2Q06D	15	ND	***790***	2	ND	ND	37.7	45	ND
	3Q06	75	4.4 J	***682***	2.6	ND	ND	37.1	32	ND
	4Q06	240	ND	***574***	2.3	ND	ND	38.3	31	ND
	1Q07	62	5.3	490	2.4	ND	ND	34	21	ND
	2Q07	70	8.7	***1900***	2.9	ND	ND	48	230	ND
	3Q07	100	2.6	***820***	2	ND	ND	40	68	ND
	4Q07	FS	3.2	***710***	2.3	ND	ND	36	87	ND
	1Q08	120	2.6	***650***	1.1	ND	ND	28	78	ND
	2Q08	22	2.9	***1,200***	1.9	ND	ND	32	27	ND
	3Q08	140	6.2	***1,400***	1.3	ND	ND	34	140	ND
	4Q08	31	ND	***938***	2.9	ND	ND	36.4	110	ND
	1Q09	8	ND	***600***	1.5	ND	ND	32.2	89	ND
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	6.8 J	***2110***	0.21	ND	ND	47.2	5200	NS
	2Q04D	88	9.2 J	***2040***	0.21	0.15 J	ND	37.3	5400	NS
	3Q04	2000	4.4 J	***1920***	1.5	ND	ND	64.4	2400	NS
Dilution factor for Methane 250	1Q05	75	6.0 J	***774***	3.2	ND	ND	29.1	10000	NS
Dilution factor for Methane 250	1Q05D	77	7.2 J	***754***	3.2	ND	ND	30.5	11000	NS
	2Q05[L]	32	54	472	ND	0.50 J	0.45	ND	13000	NS
	2Q05[U]	41	48	481	ND	0.35 J	0.32	ND	10000	NS
	3Q05[L]	17	45.6	***1450***	ND	ND	0.3	19.2	2900	NS
	3Q05[U]	17	31.6	***1280***	0.22	0.29 J	0.1	25.7	1600	NS
Dilution factor for Methane 250	4Q05	16	32	***926***	0.16	0.5	0.23	8.9	7700	NS
	1Q06	14	33.2	***621***	ND	ND	0.3	2.2 J	10000	NS
	1Q06D	10	36.8	***628***	ND	ND	0.3	1.6 J	10000	NS
Dilution factor for Methane 200	2Q06	68	16.8	***655***	0.87	ND	0.16	12.9	11000	ND
Dilution factor for Methane 100	3Q06	79	9.2 J	***799***	2.1	ND	0.15	15.1	8600	ND
Dilution factor for Methane 100	4Q06	600	4.4 J	***568***	3.4	ND	ND	31.3	5600	ND
Dilution factor for Methane 4	1Q07	38	18	420	0.59	ND	0.31	11	1200	ND
Dilution factor for Methane 5	1Q07D	40	19	440	0.69	ND	0.31	12	1300	ND
	2Q07	130	4.4	***610***	0.25	ND	ND	12	530	ND
	3Q07	890	1.8	***590***	0.39	ND	ND	16	120	ND
	4Q07	FS	2.2	***1200***	2.6	0.23	ND	21	170	ND
	1Q08	180	6.7	***1600***	3.2	ND	ND	24	300	ND
	2Q08	52	6.8	***1100***	0.24	0.12	ND	17	430	ND
	3Q08	340	15	***560***	ND	0.11	0.11	ND	400	ND
Dilution factor for Methane 5	4Q08	270	3.25	***617***	1.1	ND	ND	20	550	ND
Dilution factor for Methane 5	4Q08D	110	ND	***625***	1.1	ND	ND	20.6	570	ND
	1Q09	34	4.0 J	***2280***	1.9	ND	ND	31.9	280	ND
MW-19-12	2Q06	4000	11.2 J	***548***	0.048 J	ND	ND	15.1	4.8 J	ND
Dilution factor for Methane 5	3Q06	170	6.4 J	***822***	0.36	ND	ND	22.9	170	ND
	4Q06	2	4.4 J	***716***	0.22	ND	ND	21.3	130	ND
	4Q06D	2	ND	***718***	0.17	ND	ND	21.8	130	ND
	1Q07	4	5.5	400	0.56	0.12	ND	20	ND	ND
	2Q07	55	ND	240	0.93	ND	ND	13	ND	ND
	2Q07D	8	ND	270	0.93	ND	ND	13	ND	ND
	3Q07	73	ND	290	0.89	ND	ND	13	ND	ND
	4Q07	FS	3	260	0.9	ND	ND	11	ND	ND
	1Q08	9	ND	160	0.84	ND	ND	5.7	ND	ND
	2Q08	ND	1.1	220	1	ND	ND	10	ND	ND
	3Q08	2	1.7	220	0.72	ND	ND	8.1	ND	ND
	4Q08	7	ND	269	0.79	ND	ND	16.6	ND	ND
	1Q09	4	ND	170	1.1	ND	ND	18.3	ND	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3000	ND
Dilution factor for Methane 20	4Q08	5200	33.6	94.5	ND	0.35 J	ND	1.9 J	1800	ND
methane 10	1Q09	51	56.8	270	ND	0.64	0.16	ND	2600	ND
MW-25R	2Q06	1100	18.8	340	ND	0.24 J	ND	2.9 J	140	ND
	3Q06	>5700	279	329	ND	0.24 J	0.14	3.3 J	30	ND
	4Q06	1000	16.8	331	ND	ND	ND	6.2	25	ND

TABLE 3

Through 1st Quarter 2009

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
	1Q07	240	49	300	ND	0.12	ND	ND	29	ND
	2Q07	>5700	100	340	ND	0.15	ND	5.9	33	ND
	2Q07D	>5700	100	350	ND	0.11	ND	6.4	32	ND
	3Q07	>5700	10	260	ND	ND	ND	14	ND	ND
	4Q07	FS	490	380	ND	0.41	0.43	10	ND	ND
	1Q08	>5700	140	360	ND	0.13	0.17	5.4	55	ND
	2Q08	>5700	200	330	ND	0.15	0.23	ND	130	ND
	3Q08	ND	68	380	ND	0.14	ND	ND	12	ND
	4Q08	>5700	ND	243	ND	ND	ND	16	3.5 J	ND
	1Q09	1500	36.8	344	ND	ND	ND	36.5	57	ND
MW-27s	2Q06	NR	5180	630	ND	0.26 J	4.8	43.3	20	ND
	3Q06	>5700	3850	***798***	ND	ND	1.4	108	3.7 J	ND
	4Q06	>5700	166	***753***	0.16	ND	0.82	116	2.3 J	ND
	1Q07	>5700	580	***650***	ND	ND	0.19	91	ND	ND
	2Q07	>5700	48	***640***	ND	ND	3.5	97	ND	ND
	3Q07	270	150	***630***	ND	ND	0.12	84	ND	ND
	4Q07	FS	260	***620***	0.16	0.45	ND	87	22	ND
	1Q08	>5700	850	***530***	0.65	ND	0.74	78	ND	ND
	2Q08	>5700	770	490	0.19	ND	0.91	67	ND	ND
Dilution factor for Phosphorus 5	3Q08	560	1,400	***620***	ND	0.14	17	61	11	ND
	4Q08	390	66.4	***571***	0.2	ND	.085 J	68.8	ND	ND
Dilution factor for sulfate 5	1Q09	190	1,200.0	***517***	0.55	ND	0.27	62.5	ND	0.0283
MW-28s	2Q06	6	35.2	350	ND	0.35 J	0.25	2.6 J	3100	ND
Dilution factor for Methane 200	3Q06	1,300	22	460	ND	0.26 J	0.37	ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	22	468	ND	ND	0.37	1.7J	3,100	ND
Dilution factor for Methane 100	4Q06	1	25	347	ND	ND	0.43	2.0 J	4,400	ND
	1Q07	460	180	350	ND	ND	0.42	ND	170	ND
	1Q07D	230	93	360	ND	ND	0.43	ND	810	***0.0051***
Dilution factor for Methane 10	2Q07	78	49	400	ND	0.14	0.34	ND	1,600	ND
Dilution factor for Methane 4	3Q07	ND	50	350	ND	ND	0.34	ND	1,100	ND
Dillution for Methane is 40	4Q07	320	42	330	ND	0.19	0.38	ND	1,900	ND
	1Q08	80	31	250	ND	0.14	0.36	ND	570	ND
Dilution for Methane is 10	2Q08	11	44	360	ND	0.19	ND	ND	1,400	ND
Dilution factor for Methane 4	3Q08	ND	52	340	ND	0.17	0.4	ND	0.86	***0.0056***
Dilution factor for Methane 20	4Q08	82	23.6	321	ND	ND	0.31	2.3 J	1,800	ND
Dilution factor for Methane 200	1Q09	9	38.4	356	ND	0.27 J	0.32	ND	5,000	ND
MW-28i										
Dilution factor for Methane 10	2Q06	290	28	367	0.047 J	ND	0.22	2.2 J	1900	ND
Dilution factor for Methane 100	3Q06	>5,700	42.8	338	ND	ND	0.19	3.5 J	1500	ND
Dilution factor for Methane 100	4Q06	440	15.6	335	ND	ND	0.22	3.0 J	1500	ND
	1Q07	110	34	380	0.1	0.2	0.35	ND	410	ND
Dilution factor for Methane 4	2Q07	24	23	330	ND	0.27	0.29	ND	710	ND
	3Q07	37	37	300	ND	0.28	0.27	ND	560	ND
	4Q07	160	34	360	ND	0.47	0.64	5.1	370	ND
	1Q08	ND	25	290	ND	0.37	0.29	ND	170	ND
Dilution factor for Methane 10	2Q08	17	38	560	ND	0.31	0.23	ND	870	ND
	3Q08	51	29	310	ND	0.25	280	ND	410	ND
Dilution factor for Methane 5	4Q08	24	20.8	360	ND	0.54 J	0.23	6.7	500	ND
Dilution factor for Methane 10	1Q09	3	31.6	399	ND	.42 J	0.27	ND	1800	ND
Dup 02. Dilution factor for Methane 10	1Q09D	4	35.2	415	ND	0.54 J	0.26	ND	1700	ND
MW-29s	2Q06	250	58.8	***504***	ND	11.9	0.45	4.0 J	1200	ND
Dilution factor for Methane 250	3Q06	>5700	54	***546***	ND	9.9	0.32	1.9 J	5000	ND
Dilution factor for Methane 100	4Q06	190	35.6	***509***	ND	8.3	0.29	3.9 J	5200	ND
	1Q07	30	41	***510***	0.14	7.5	0.34	ND	450	***0.0084***
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND	1000	ND
Dilution factor for Methane 10	3Q07	1900	54	***520***	ND	8.1	0.4	ND	2500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3100	***0.014***
Dillution for Lead 5	1Q08	93	60	***510***	ND	7.5	0.34	ND	2000	ND
Dillution for Lead 5	1Q08D	120	38	***510***	ND	7.6	0.35	ND	1800	ND
Dilution for Methane 10	2Q08	65	40	490	ND	8.2	0.3	ND	2100	ND
Dilution factor for Methane 4	3Q08	130	20	460	ND	7.7	0.41	ND	1,700	ND
Dilution factor for Methane 50	4Q08	52	37.2	455	ND	7.2	0.35	ND	4,400	ND
Dilution factor for Methane 50	4Q08D	56	41.6	462	ND	7.2	0.34	ND	4,600	ND
Dilution factor for Methane 200	1Q09	1600	58.8	425	ND	7.2	0.32	3.0 J	6,100	ND
MW-30s	2Q06	2200	75.6	348	ND	0.86	0.17	5.2	3800	ND

TABLE 3

Through 1st Quarter 2009

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
Dilution factor for Methane 200	3Q06	>5700	132	457	ND	0.89	0.32	ND	2500	ND
Dilution factor for Methane 100	4Q06	>5700	147	448	ND	1.1	0.24	5.5	6500	ND
Dilution factor for Methane 10	2Q07	>5700	650	350	ND	0.94	1.6	ND	1800	ND
Dilution factor for Methane 4	3Q07	>5700	220	440	ND	1	0.34	ND	1700	ND
Dilution factor for Methane 4	3Q07D	>5700	180	400	ND	1.1	0.33	ND	1500	ND
Dilution factor for Methane 10	4Q07	>5700	120	***520***	ND	1.3	0.22	ND	1900	ND
Dilution factor for Methane 4	1Q08	1,100	2,300	410	ND	0.97	1.2	ND	1,300	ND
Dilution factor for Methane 10	2Q08	>5700	36	320	ND	0.93	0.26	ND	1,700	ND
Dilution factor for Methane 4	3Q08	ND	36	390	ND	2.60	0.29	ND	1,800	ND
Dilution factor for Methane 50	4Q08	2,300	18	401	ND	1.30	0.19	ND	4,100	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-30i	2Q06	>5700	18.8	369	ND	1.8	0.15	8.2	1100	ND
Dilution factor for Methane 100	3Q06	290	41.6	414	ND	0.83	0.23	3.2 J	1200	ND
Dilution factor for Methane 50	4Q06	40	17.2	456	ND	0.89	0.24	11.1	930	ND
Dilution factor for Methane 50	4Q06D	43	41.2	478	ND	ND	0.23	11.1	930	ND
Dilution factor for Methane 4	2Q07	36	34	300	ND	0.8	0.31	ND	680	ND
	3Q07	ND	41	430	ND	1	0.33	ND	97	ND
	4Q07	470	69	***530***	ND	1.1	0.45	ND	ND	ND
	1Q08	2	33	410	ND	1.2	0.34	ND	370	ND
	2Q08	23	27	***540***	ND	1	ND	ND	510	ND
Dup 03	2Q08D	16	26	300	ND	1	0.29	ND	560	ND
Dilution factor for Methane 4	3Q08	ND	31	390	ND	1.3	0.38	ND	790	ND
Dilution factor for Methane 5	4Q08	6	21.6	411	ND	1.4	0.27	4.4 J	400	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-30d	2Q06	2800	11.6	248	ND	0.30 J	ND	9.7	45	ND
	3Q06	>5700	6.4 J	288	0.043 J	ND	ND	10.6	5.3	ND
	4Q06	47	5.6 J	375	ND	ND	ND	12.5	22	ND
	2Q07	130	13	240	ND	0.11	ND	10	77	ND
	3Q07	78	9	260	ND	0.16	ND	11	ND	ND
	4Q07	FS	20	300	ND	0.24	0.11	11	ND	ND
	4Q07D	FS	20	270	ND	0.19	0.28	11	ND	ND
	1Q08	790	8	300	ND	0.12	ND	9.4	47	ND
	2Q08	420	12	370	ND	0.27	ND	5.3	140	ND
	3Q08	ND	9.2	280	ND	0.31	0.13	9.2	16	ND
	4Q08	40	9.2 J	309	ND	0.27 J	ND	12.7	ND	ND
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-31s										
Dilution factor for Ammonia and Methane 10	2Q08	>5700	460	***810***	0.12	22	0.68	44	3000	ND
Dilution factor for Ammonia and Methane 10	3Q08	ND	320	***1900***	ND	22	0.71	72	2100	ND
Dilution factor for Sulfate 10 and Methane 50	4Q08	> 5700	11.5 J	***502***	ND	10.8	0.14	84.2	2800	ND
Dilution factor for sulfate 5, methane 100	1Q09	620	35.2	***629***	ND	22.6	0.40	47.9	11000	ND
MW-32s										
Dilution factor for Methane 10	2Q08	>5700	NS	***3400***	ND	2	14	8.6	4800	ND
Dilution factor for Methane 10	3Q08	410	NS	***650***	ND	1.6	2.6	NS	2900	ND
Dilution factor for Sulfate 20 and Methane 100	4Q08	> 5700	50	***818***	ND	1.6	0.11	200	5400	ND
Dilution factor for Methane 200	1Q09	430	385	***637***	ND	0.69	ND	8.9	9500	ND
MW-33s										
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2800	***0.011***
Dilution factor for Methane 10	3Q08	ND	250	380	ND	7	ND	10	2000	ND
Dilution factor for Methane 100	4Q08	> 5700	51	358	ND	7.4	0.13	8.6	4800	ND
Dilution factor for Methane 200	1Q09	160	122	395	ND	ND	ND	68.1	9600	ND
MW-34s										
Dilution factor for Methane 10	2Q08	>5700	NS	490	ND	ND	ND	12	3700	ND
Dilution factor for Methane 10	3Q08	ND	NS	NS	NS	ND	0.34	NS	2800	NS
Dilution factor for Methane 5	4Q08	2100	ND	***693***	0.53	0.35 J	ND	23.9	490	ND
Dilution for Ammonia Nitrogen 5, Methane 200	1Q09	NM	NS	NS	ND	ND	ND	NS	7200	ND
MW-35s										
Dilution factor for Methane is 10	2Q08	>5700	2100	***570***	ND	1.8	ND	13	3900	ND
Dilution factor for Methane is 10	3Q08	ND	85	***520***	ND	1.3	ND	ND	3600	ND
Dilution factor for Methane 100	4Q08	> 5700	22.4 J	***568***	ND	2.9	0.16	20.6	12000	ND
Dilution factor for Methane 200	1Q09	1800	37.6	499	ND	0.8	.087 J	ND	20000	ND

TABLE 3

Through 1st Quarter 2009

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate(1)	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
GEI-2S	3Q07	66	8.0	460	2.2	ND	ND	25	490	ND
	2Q08	57	6.7	***650***	1.9	ND	ND	34	ND	ND
Dilution factor for Methane 4	3Q08	4	4.0	***610***	ND	0.11	ND	13	1800	ND
	4Q08	16	ND	302	2.4	ND	ND	23.9	110	ND
	1Q09	7	ND	***528***	2.4	ND	ND	39.0	ND	ND
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	5	ND	10.0 J	ND	ND	ND	0.30 J	ND	NS
	1Q06	2	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	ND	ND	ND	ND	ND	1.5 J	ND	ND*
	3Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	1	ND	ND	ND	ND	ND	ND	22	ND*
	2Q07	ND	ND	19	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	***0.0051****
	3Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
Rinsate Blank	1Q05	36	ND	ND	ND	ND	ND	ND	ND	NS
	3Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1Q06	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	84	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	56	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q07	1	ND	2.5	ND	ND	ND	ND	ND	ND*
	2Q07	2	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

(1) Sulfate results reported through 4Q06, and starting again in 4Q08, have a dilution factor of 5, except for blank samples or unless otherwise noted. Sulfate results reported from 1Q07 through 3Q08 have no dilution factor for sulfate unless noted otherwise.

(2) NJ CLASS IIA GWQC, NJ SWQC [FW2] and PQL are for Total Lead

NCS: No Criteria Specified by NJDEP

NS = Not Sampled

FS= Samples frozen in transit to lab.

ND = Not Detected

Concentration exceeds NJGWQS ***1.2***

L Lower Grab Sample

U Upper Grab Sample

* Total Lead

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.97	7.23	24	890	2	13.94	NM	160	70
	3Q04	0.1	7.62	-10	1179	2	16.18	<10	200	95
	1Q05	0.2	7.67	100	590	5	11.82	9	241(1)	121
	2Q05L	1	7.84	NM	734	10	8.6	0.3	30	<10
	2Q05U	1	7.69	NM	760	10	8.46	0.4	29	<10
	3Q05	1	7.03	185	1920	9	15.86	>10	110	60
	4Q05	5.34	6.47	87	1005	4	15.01	>10	110	18
	1Q06	3.53	6.59	-50	978	13	8.72	>10	11	>100
	2Q06	4.92	7.66	-43	905	9	13.98	>10	225	60
	3Q06	0.34	7.08	-24	761	5	16.2	18	100	90
	4Q06	0.08	6.53	-76.7	579	7	15.36	>10	275	70
	1Q07	0.15	6.59	-90.3	444	5	10.38	20	250	35
	2Q07	0.05	6.69	-56	1640	2.5	13.7	>20	100	120
	3Q07	0.1	6.59	-94	1201	2	17.05	>20	200	80
	4Q07	0.2	6.36	5	865	5.1	12.54	>20	225	40
	1Q08	0.6	6.4	111.7	214.2	5	8.55	0.1	40	14
	2Q08	0.22	6.12	68.4	1,068	6.66	10.55	>10	125	130
	3Q08	0.16	6.42	-30	1,150	7	13.94	>20	140	50
	4Q08	0.12	6.63	-107	1065	5	14.33	10	210	30
	1Q09	0.08	7.44	-161	672	2.5	10.63	10	140	25
MW-19-4	1Q06	7.62	7.53	-64	1351	14	5.61	0.6	12	>50
	2Q06	6.53	7.74	116	1442	22	13.93	0.2	100	17
	3Q06	2.93	7.43	92	1335	9	18.68	0	10	19
	4Q06	4.03	7.69	172	886	10	16.67	0	150	22
	1Q07	2.01	6.95	105	418	17	11.71	0	125	11
	2Q07	0.8	6.74	-1	1800	7.8	14.59	0.1	75	16
	3Q07	0.4	7.16	45	1187	10	17.68	0.05	125	26
	4Q07	0.6	7.57	216	1385	6	12.58	0	50	20
	1Q08	4	7.02	73.1	938.5	9	7.98	0	100	13
	2Q08	4.13	6.52	113	987	8.33	11.22	0.1	100	15
	3Q08	1.3	6.68	65	1120	9	14.29	0	60	19
	4Q08	1.4	6.55	92	1133	9	15.49	0.1	130	19
	1Q09	4.52	7.71	62	1500	9.86	11.75	0.2	90	25
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.16	7.02	41	1550	4	12.89	NM	130	70
	3Q04	1	7.26	87	1740	19	16.3	2	150	60
	1Q05	1	7.94	226	269	9	10.59	0	126(1)	63
	2Q05L	1	7.94	NM	2640	10	8	0	45	16
	2Q05U	0.8	7.99	NM	2100	38	6.96	0	45	10.5
	3Q05	0.8	7.44	184	920	2	15.15	>10	100	35
	4Q05	1.84	6.27	217	216	10	15.15	0.1	30	11
	1Q06	3.35	6.35	249	512	3	8.17	0	12	>100
	2Q06	6.79	7.50	36	327	5	14.4	0.3	90	27
	3Q06	2.87	7.45	143	406	10	16.38	0	100	22
	4Q06	6.3	7.55	184	347	6	14.49	0.4	145	32
	1Q07	0.16	6.53	14.2	370	4	10.08	1	175	16
	2Q07	0	7.04	-36	539	6.8	14	>20	190	70
	3Q07	0.1	7.09	36	530	5	16.18	1	160	65
	4Q07	1.6	6.17	45	311	3.6	12.59	0.4	130	30
	1Q08	1.83	6.28	108.1	125.5	12	6.14	0.1	35	15
	2Q08	1.48	5.99	6	371	10	10.06	0.2	100	40
	3Q08	0.07	6.76	-23	896	2	14.55	>20	190	30
	4Q08	3.29	6.38	76	214	7	15.01	0.2	75	26
	1Q09	3.35	7.27	16	227	7.89	8.64	0.2	60	14
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.48	6.86	56	2640	10	15.24	NM	80	33
	3Q04	1	7.43	83	2490	4	16.61	0.4	125	20
	1Q05	1	7.73	241	867	12	11.79	0	204(1)	41
	2Q05L	1	7.50	NM	1870	27	10.64	0.1	75	15
	2Q05U	1	7.48	NM	1790	2	9.89	1	80	20
	3Q05	1	7.28	191	3030	36	15.2	0.4	70	20
	4Q05	5.39	5.86	307	1550	9	14.76	0	80	10.5
	1Q06	3.71	6.60	237	1116	4	9.93	0	12	>100
	2Q06	6.61	7.53	35	1520	5	13.51	0.2	125	23
	3Q06	4.48	7.44	162	1249	9	16.11	0	100	24
	4Q06	4.7	7.47	207	941	8	15.45	0	70	40
	1Q07	1.16	6.82	69.5	602	8	11.38	0.2	90	16
	2Q07	1	6.69	-35	2720	5.6	14.36	0.1	140	50
	3Q07	0.8	7.16	12	1458	4	17.3	0.6	160	42
	4Q07	2	7.44	51.4	1283	5.9	12.92	0.3	25	17
	1Q08	1	6.52	91.2	854.4	6	10.71	0.4	100	20

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	2Q08	3.69	6.71	119.4	1,205	2.4	11.83	0.6	110	35
	3Q08	1.3	6.78	39	2,280	8	15.51	3	140	28
	4Q08	2.23	6.8	62	1,550	9	15.15	0.3	155	19
	1Q09	2.5	7.51	48	1152	8.69	10.10	0.4	120	20
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.89	6.82	48	380	6	14.34	NM	95	90
	3Q04	1	6.92	113	4040	2	16.77	1	75	70
	1Q05	0.6	7.16	281	1388	1	11.34	3	200(1)	63
	2Q05L	0.05	7.82	102	938	25	11.7	15	160	36
	2Q05U	1	7.80	NM	961	49	11.22	15	200	29
	3Q05L	0.8	7.03	90	2670	17	14.76	>10	95	0.8
	3Q05U	1	7.02	185	2460	5	16.02	>10	70	35
	4Q05	1.58	5.98	-44	1434	14	14.85	>10	11	30
	1Q06	1.86	6.20	43	1130	14	10.81	>10	>100	>100
	2Q06	3.87	7.41	-33	1284	9	13.28	>10	170	70
	3Q06	0.6	7.28	33	1254	10	15.8	9	200	50
	4Q06	0.44	7.47	204	970	7	15.23	2	185	70
	1Q07	0.12	6.80	-84.3	518	6	11.52	9	175	23
	2Q07	0	6.98	36	1397	4.5	15.68	2	100	38
	3Q07	0.2	7.05	181	1016	5	17.48	0.2	120	38
	4Q07	0.6	6.48	74.2	2126	5.3	12.7	0.2	70	30
	1Q08	1	6.21	105.4	2023	10	9.48	0.3	45	27
	2Q08	0.24	6.42	0.5	1,892	9.13	11.31	1.5	130	22.5
	3Q08	0.11	6.94	60	980	29	16.78	0.5	150	27
	4Q08	0.23	6.42	50.9	806	9.13	15.77	0.6	130	14
	1Q09	1.33	7.28	53	4350	3.2	9.70	1	120	20
MW-19-12	2Q06	0.99	7.29	-33	1046	9	16.06	4	120	100
	3Q06	0.21	7.41	5	1460	18	17.9	4	12	17
	4Q06	0.23	7.60	191	1234	10	16.72	3.5	1000	17
	1Q07	0.18	6.91	-39.6	680	8	12.29	1.5	100	10
	2Q07	2	7.24	137	473	5	18.56	0	110	11
	3Q07	2	7.45	118	463	2	19.2	0	85	0
	4Q07	9	7.55	2.7	439	8.1	9.68	0	110	<10
	1Q08	2	6.72	78.4	197.2	2	7.59	0	40	<10
	2Q08	7.4	7.09	79	386	0.12	13.31	0	110	<10
	3Q08	4.29	7.23	51	369	6	19.58	0	70	12
	4Q08	4.63	6.72	91	500	2	13.64	0.1	110	12
	1Q09	6.47	7.91	72	568	0.5	7.47	0.1	120	<10
MW-8	3Q08	0.06	7.04	-162	571	20	15.63	>20	260	30
	4Q08	0.23	6.99	-51	175	70	12.91	14	40	<100
	1Q09	0.1	8.08	-198	607	52.3	9.19	>10	125	30
MW-25R	2Q06	0.47	6.77	-102	620	9	14.74	3.5	75	17
	3Q06	0.97	5.57	90.1	572	229	15.67	5	160	350
	4Q06	0.25	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110
	1Q08	0.34	7.32	-79	639	47.6	7.87	4.5	150	12.5
	2Q08	0.21	7.20	-80	601	46	10.95	4.5	150	15
	3Q08	0.24	6.55	-110.7	446	19.2	15.71	2.5	160	70
	4Q08	1.66	7.25	22.7	227	5.9	9.6	1	70	<10
	1Q09	0.71	7.22	21.8	383	8	5.00	0.5	120	<10
MW-27s	2Q06*	1.66	7.74	183	933	>1000	16.65	0	80	<10
	3Q06	0.54	7.72	45	1437	247	19.44	0	200	14
	4Q06	2.36	7.59	134	1275	>1000	16.39	0	<10	20
	1Q07	4	7.15	-10.8	1078	>1000	8.31	NM - sediment	NM - sediment	NM - sediment
	2Q07	8.29	7.09	105.6	765	>1000	15.23	NM - sediment	NM - sediment	NM - sediment
	3Q07	0.4	7.24	27	1017	>1000	17.58	NM - sediment	NM - sediment	NM - sediment
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sediment
	1Q08	1	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sediment
	2Q08	1	7.18	111.1	735	81.1	11.43	0	22.5	85
	3Q08	3.21	6.21	46	861	184	17.09	0.8	225	135
	4Q08	2.63	6.99	34.4	626	47.2	13.67	NM - ran dry	NM - ran dry	NM - ran dry
	1Q09	1.12	7.35	51.3	522	1000	10.67	0.1	200	20
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	2Q07	0.48	7.01	-138.3	568	36	15.36	>20	180	35
	3Q07	0.1	7.1	-132.1	576	9.6	16.99	>20	180	50
	4Q07	0.2	6.86	-120.4	634	7.03	11.97	>20	170	22
	1Q08	0.11	7.3	-169	492	11.3	9.22	15	130	20
	2Q08	0.19	6.57	-52.4	508	9.13	12.25	>10	140	35
	3Q08	0.29	6.91	-65.1	390	9.54	15.33	>20	200	35
	3Q08	1	6.8	-92	494	339	16.5	NM	NM	NM
	4Q08	0.05	6.94	-81.5	395	7.96	13.88	>20	170	<100
	1Q09	0.18	7.59	-15.3	466	9.86	9.63	>20	115	22
MW-28i	2Q06	0.23	7.88	-126	756	8	15	>10	135	28
	3Q06	0.51	7.59	-98	649	14	16.42	18	90	27
	4Q06	0.04	7.37	-146.7	598	13	14.82	>20	150	25
	1Q07	0.2	6.80	-173.3	686	4.9	10.7	>20	140	23
	2Q07	0.18	7.07	-170	507	17	14.9	>20	145	24
	3Q07	0.1	7.15	-104.7	536	5.7	16.19	>20	170	30
	4Q07	0.26	6.59	-58.2	677	7.44	11.96	>20	160	20
	1Q08	0.01	6.81	-100.2	400.2	6	10.31	12	135	20
	2Q08	0.2	6.65	-4.8	593	7.75	12.99	>10	170	35
	3Q08	0.21	7.34	-136	530	10	14.94	>20	170	23
	4Q08	0.04	7.28	-68	442	8.81	14.23	>20	160	<100
	1Q09	0.13	7.07	-34	548	7.67	11.19	>20	150	25
MW-29s	2Q06	3.63	7.32	-32	1021	68	18.45	>10	260	95
	3Q06	0.36	6.73	-109.8	1090	10	20.63	18	310	80
	4Q06	0.05	6.85	-97.9	775	11	17.04	>10	350	65
	1Q07	0.7	6.53	-163.9	902	5.6	8.77	18	240	30
	2Q07	4.03	6.71	-113.8	766	31	18.48	>10	225	25
	3Q07	0.7	6.66	-13.9	881	9.84	21.12	>20	325	100
	4Q07	0.2	7.12	-35	960	8	13.51	>20	285	75
	1Q08	0.21	7.02	-94	1027	9.92	7.87	>10	290	22
	2Q08	0.27	6.89	31.2	935	5.9	12.22	>20	250	70
	3Q08	0.08	6.61	-79.7	456	8.09	20.04	>10	300	130
	4Q08	0.09	6.91	-127	798	6	17.6	>20	250	36
	1Q09	1.14	6.72	62.8	564	6.78	9.00	20	200	50
MW-30s	2Q06	0.14	6.76	-180	672	34	16.81	>10	78	14
	3Q06	0.39	5.66	73.1	704	155	18.9	18	60	250
	4Q06	0.01	7.09	-146.1	627	94	13.46	>20	200	60
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.34	6.99	-159.4	458	213	18.55	>20	225	40
	3Q07	0.3	7.05	-128.7	696	100	19.15	>20	230	37
	4Q07	0.8	7.45	-50	871	67	7.74	>20	200	43
	1Q08	0.12	7.32	-158	825	113	4.85	>20	NM - sediment	NM - sediment
	2Q08	0.2	7.49	-47.6	484	9.42	11.43	18	160	22.5
	3Q08	0.03	6.93	-128.1	378	11.2	19.06	>10	200	70
	4Q08	0.05	6.66	-2.3	468	9.65	12.93	>20	50	20
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-30i	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
	4Q06	0.2	7.16	-144.2	827	42	14.2	>10	>1000	45
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.33	6.99	-146.8	486	41	15.23	>20	145	25
	3Q07	0.4	7.08	-19.8	661	NM-mtr broke	17.07	>20	200	29
	4Q07	1	7.39	-15	889	136	8.28	>20	200	24
	1Q08	0.13	6.7	-149	784	9.98	8.55	>20	150	18
	2Q08	0.08	7.29	-142	581	21	12.28	16	140	26
	3Q08	0.04	73.11	-136.0	552	8.56	16.62	>10	180	50
	4Q08	0.3	7.43	-133	715	6	13.57	>20	165	27
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-30d	2Q06	0.3	5.35	-131	449	10	14.45	2	100	30
	3Q06	2.49	7	-44	458	15	15.07	2.5	70	70
	4Q06	0.18	7.29	-99	637	33	13.39	5	130	17
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.38	7.03	-95.7	340	69	14.51	3.5	115	12
	3Q07	0.8	7.24	22.6	401	NM-mtr broke	14.73	3	130	13
	4Q07	0.1	7.05	128	500	80	10.02	0.4	100	<10
	1Q08	0.45	6.8	1	487	16.3	9.19	1.5	130	<10
	2Q08	0.32	7.24	-62	504	18	12.87	2	125	14
	3Q08	0.2	7.3	-112.3	328	9.41	15.26	2.5	115	14
	4Q08	0.19	7.48	-114	532	12	12.59	6	125	13
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
MW-31s	2Q08	0.51	12.47	-192	1,499	>1000	15.74	1	225	0

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
Quarterly Groundwater Monitoring
MNA Field Data

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	3Q08	0.97	6.54	-27	2,130	381	21.79	4.5	1000	400
	4Q08	0.16	8.13	34.7	488	7.64	12.99	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.43	10.98	71	567	15	5.45	0.1	200	0
MW-32s	2Q08	0.33	6.9	-86	1,105	109	12.11	NM-No Water	NM-No Water	NM-No Water
	3Q08	0.07	6.47	-149.6	1,169	15.9	22.56	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.41	6.68	-20.4	799	14	14.72	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.32	6.94	42.1	665	8	5.60	NM-No Water	NM-No Water	NM-No Water
MW-33s	2Q08	0.77	7.29	-74	650	682	12.98	18	180	70
	3Q08	2.55	6.06	NM	616	148	26.4	>20	310	200
	4Q08	0.21	6.44	5.7	607	14	13.1	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.37	5.2	168.5	567	38	5.29	>20	225	60
MW-34s	2Q08	0.51	7.01	-111	794	7	14.84	NM-No Water	NM-No Water	NM-No Water
	3Q08	0.15	6.4	-136.3	1240	12.1	20.19	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.48	6.62	50.7	686	13.5	14.83	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.27	7.33	23.9	557	9	5.90	NM-No Water	NM-No Water	NM-No Water
MW-35s	2Q08	0.37	6.78	-56	917	>1000	11.51	>20	310	70
	3Q08	1.5	6.35	-55	736	65	19.23	>20	260	50
	4Q08	1.35	6.87	-30.2	848	38.5	14.18	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.15	7.28	3.3	607	59	5.81	>20	225	30
GEI-2S	3Q07	0.6	6.47	-29.8	586	15	15.28	0	150	30
	2Q08	3.71	6.29	118.4	669	7.5	9.97	0	50	17
	3Q08	1.69	6.73	69	1054	10	13.45	0.6	175	25
	4Q08	0.92	6.70	42.4	313	7.42	12.19	0.1	140	12
	1Q09	2.78	7.4	67	898	9.5	10.45	0.1	150	27

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

** Additional field MNA parameters not required for MW-19-9D.

(1) Laboratory analyzed for alkalinity due to destroyed field kits.

NS = Not Sampled

NM = Not Measured

L Lower Grab Sample

U Upper Grab Sample

* Well was not stabalized due to well going dry.

Table 5
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
SW-D-1												
*	8-Apr-05	2Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	26-Jul-05	3Q05	<	0.2	<	0.2	J	0.5	<	0.6	<	1.0
	26-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***2.0***
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	J	0.2	<	0.6	J	***11.0***
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***7.3***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		***4.9***	<	1.2
Dilution factor for DEHP 1.03	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.33	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.3
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		***12.0***
SW-D-2												
	8-Apr-05	2Q05		NS		NS		NS		NS		NS
	26-Jul-05	3Q05	<	0.2	J	0.5	<	0.2		***6.1***		***38.0***
	26-Oct-05	4Q05	<	0.2	J	0.6	<	0.2	J	2.0	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.8	<	0.2	J	2.7		***27.0***
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	19-Jun-06	2Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	***2.0***
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***2.0***
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		***11.0***
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***3.0***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0		***1.5***
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		***4.4***	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		***7.1***
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6		***13.0***
Dilution factor for DEHP 5	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		***230.0***
SW-D-3												
	8-Apr-05	2Q05	<	0.2		***21.0***	<	0.2		***79.0***	J	***2.0***
	26-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	J	1.1	J	***7.0***
	26-Oct-05	4Q05	<	0.2	J	0.4	<	0.2	J	1.4	<	1.0
	27-Feb-06	1Q06	<	0.2		***1.1***	<	0.2		***3.9***	J	***6.0***
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***3.0***
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	***3.0***
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0

Table 5
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		***3.3***
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***1.6***
Dilution factor for DEHP 1.1	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		***3.8***	<	1.0
	18-Feb-08	1Q08D	<	1.0	<	1.0	<	5.0		***3.8***	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9		***14.0***
SW-D-4												
	20-Jun-06	2Q06	<	0.2	<	0.2	J	0.4	<	0.6	J	***3.0***
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***2.0***
	9-Nov-06	4Q06	<	0.2	J	0.4	<	0.2	J	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0		***2.0***	<	5.0		***3.8***		***3.3***
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.0
	4-Dec-07	4Q07	<	1.0		***1.4***	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.08	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		***4.1***	<	1.1
Dilution factor for DEHP 1.08	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		***9.2***
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9		***21.0***	<	0.8		***20.0***		***29.0***
SW-D-5												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***10.0***
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	0.8	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***3.4***
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.1	3-Dec-07	4Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.03	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	J	***4.0***
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	***2.0***
DRC-2												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-1												
	20-Apr-05(1)	2Q05	<	0.2		***17.0***	J	0.8		***99.0***	J	***2.0***
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.3	<	0.2	J	1.4	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	1.1	<	1.0
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.3
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0		***1.2***	<	5.0		***5.9***	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
SW-R-2												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	J	0.5	<	0.2	J	2.3	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***1.7***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.14	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-3												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9

Table 5
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***2.0***
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0		***3.0***
	25-Jun-07	2Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***3.9***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
Dilution factor for DEHP 10	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0		***150.0***
	21-Jul-08	3Q08R		NA		NA		NA		NA		***26.0***
	15-Aug-08	3Q08(2)	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	15-Aug-08	3Q08(3)	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-08	4Q08D	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	12-Jan-09	1Q09D	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-4												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***19.0***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-5												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5
L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey
Surface Water Monitoring Data

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-6												
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
RINSE BLANK												
RB-01	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9

LEGEND

NA = Not Applicable

NS = Not Sampled

D = Duplicate sample

R = Sample was re-run by the laboratory

Concentration exceeds NJSWQS **38.0**

B: Analyte also detected in blank

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

ug/L = micrograms per liter

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.

(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)

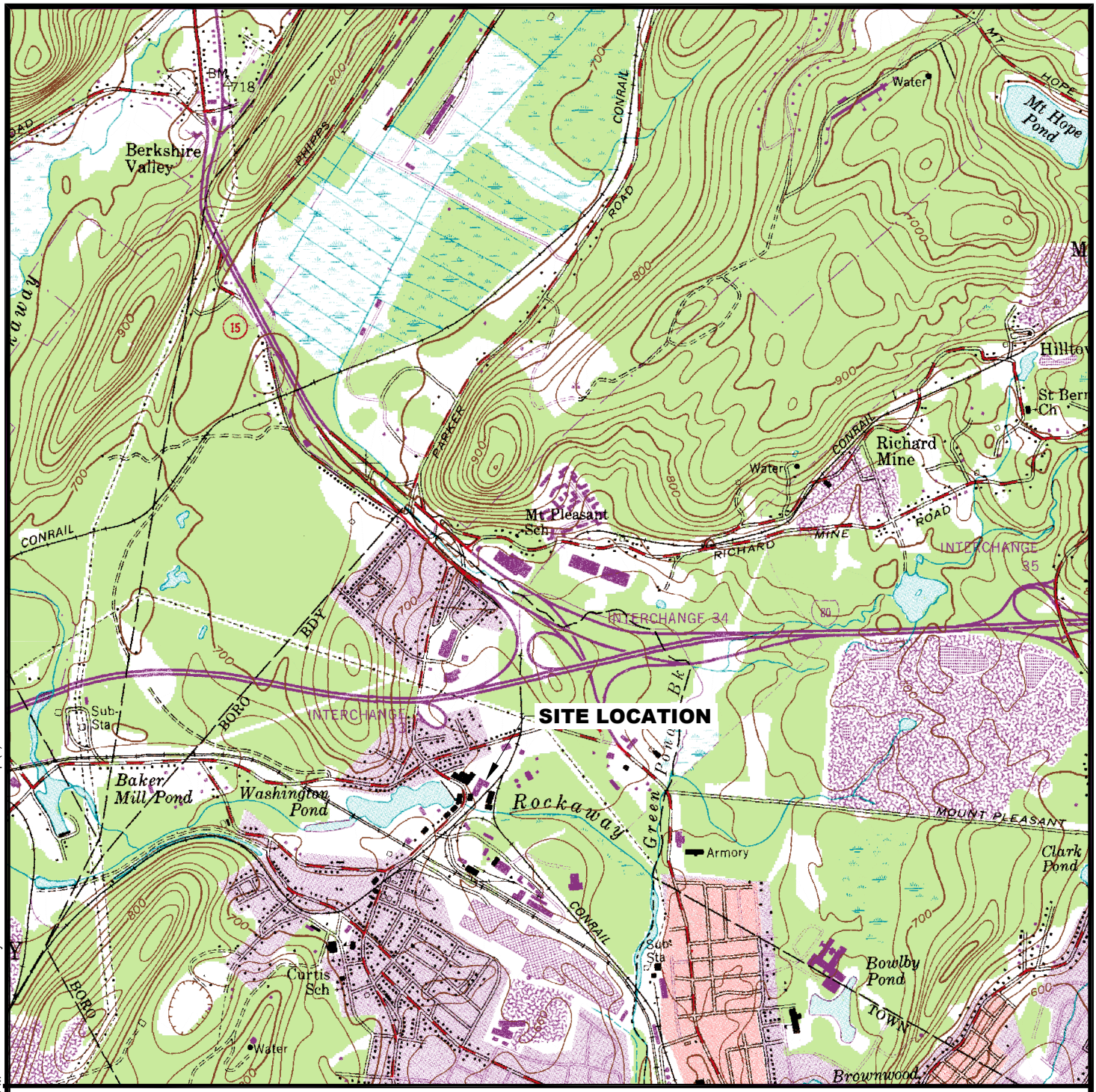
* = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.

(1) One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

(2) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Environmental Science Corporation (ESC).

(3) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Lancaster Laboratories

Figures



NEW JERSEY

N

0 2000' 4000'

APPROXIMATE SCALE IN FEET

SOURCE

BASE MAP DEVELOPED FROM THE DOVER, NEW JERSEY 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP, DATED 1954, PHOTOREVISED 1981.

RMT

3754 Ranchero Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7080 • Fax: 734-971-9022

L.E. CARPENTER
WHARTON, NEW JERSEY

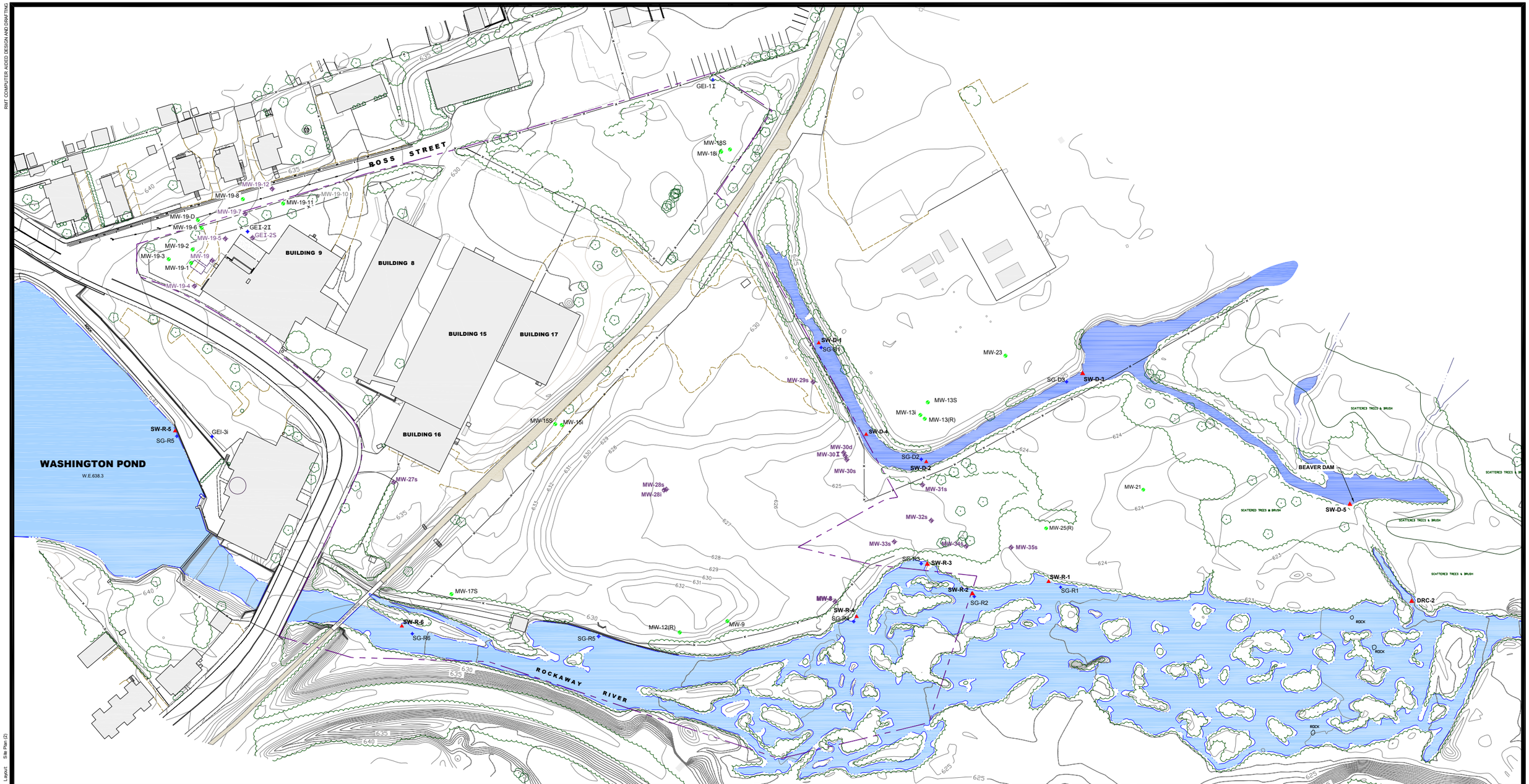
SITE LOCATION MAP
1st QUARTER 2009

DRAWN BY:	SJL
CHECKED BY:	JO
APPROVED BY:	JD,NC
DRAWING SCALE:	SHOWN
PROJECT NUMBER:	J:\06527\35
FILE NUMBER:	6527.35.21.dwg
DATE:	February 2009

FIGURE 1

PLOT DATA:
Drawing Name: J:\06527\35\6527.35.21.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 0.000500
Dwg Size: 0.17 Mb
Plot Date: March 16, 2009
Plot Time: 4:48 PM
Attached Xref's: Dover New Jersey; RMT Logostrip (CLR);
Attached Images:
Layout: Site Location Map (1)

RMT COMPUTER AIDED DESIGN AND DRAFTING



APPROXIMATE PROPERTY LINE

FENCE LINE

TREES

MW-25(R) GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)

MW-29s PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)

SG-R1 RIVER POINT SURFACE WATER ELEVATION

SG-D1 DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION

GEI-2i PIEZOMETER LOCATION

SW-R-1 SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)

630 POST-REMEDIATION GROUND SURFACE ELEVATIONS

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).

2. FORMER BUILDING OPERATIONS

- BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
- BUILDING 8: LAMINATION
- BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
- BUILDING 16: OFFICES

N

0 60' 120' 180' 240'

SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

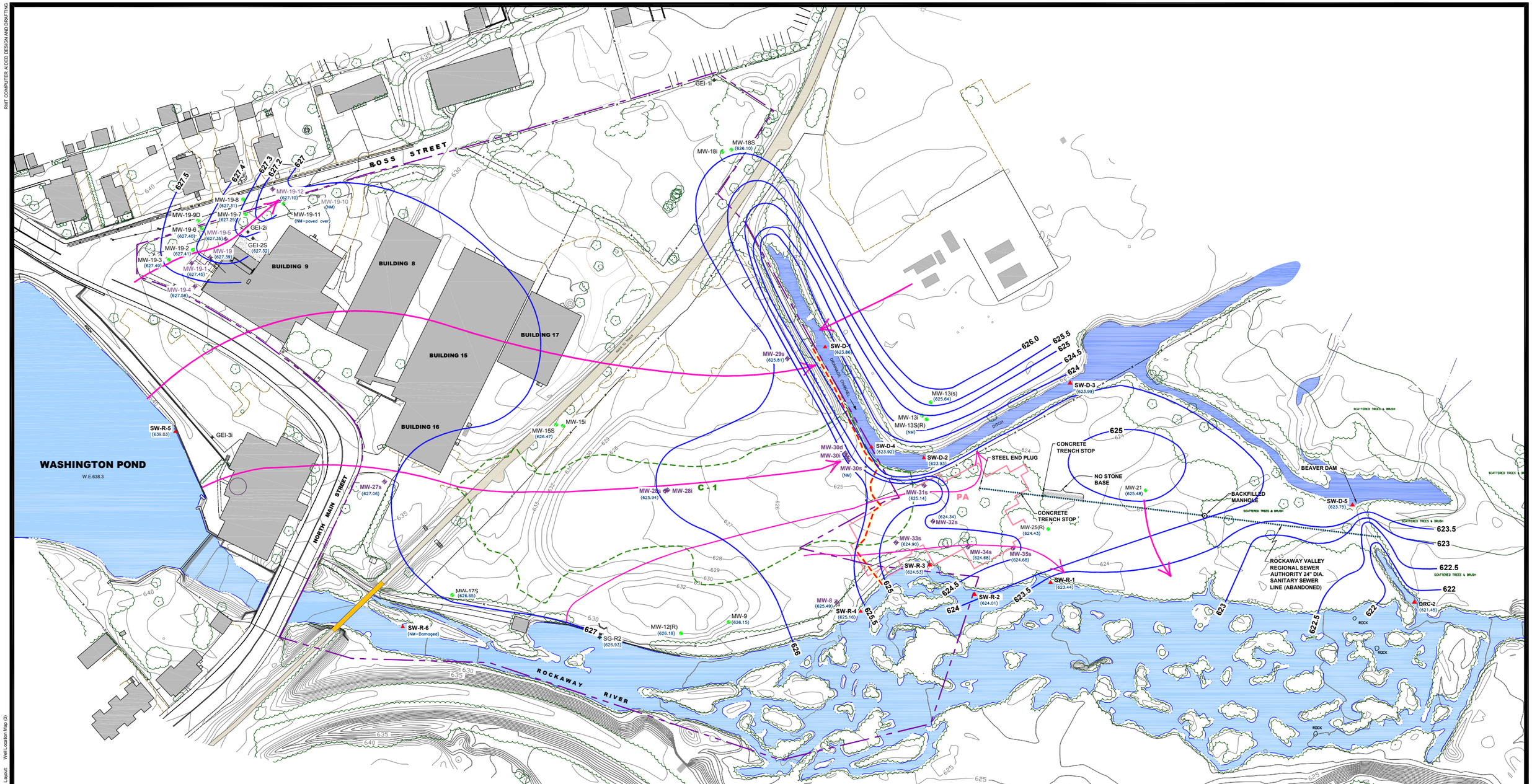
SITE PLAN WITH SAMPLE LOCATIONS
1st QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JD	SHOWN	FILE NO.	6527.35.22.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 2**	
DATE: March 2009			

RMT

3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

Layout: Site Plan (2)
Dwg Size: 0.26 Mb
Plot Date: March 2006
Plot Time: 9:25 AM
Drawing Name: J:\06527\35\6527 35 22.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1:40



LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-25(R) — GROUNDWATER ELEVATION MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- MW-29s — PRMP MONITORING WELL LOCATION AND NUMBER (s = shallow, i = intermediate, d = deep)
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2i — PIEZOMETER LOCATION
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 630 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- PA — AREA WHERE PCB IMPACTED SOILS WERE EXCAVATED
- C-1 — AREA WHERE THE LNAPL SMEAR ZONE WAS EXCAVATED AND LATERAL EXTENT OF SUBSURFACE SLURRY MONOLITH
- WESTERN BOUNDARY OF REGULATED WETLAND

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. AS DESCRIBED IN THE November 2005 RAR (SEE FIGURE 9 IN THAT REPORT), THE SLURRY MONOLITH AT AND PARALLEL TO THE DRAINAGE CHANNEL DITCH ENDS APPROXIMATELY 10 FEET WEST OF THE ACTUAL WATERS EDGE.

N

0 60' 120' 180' 240'
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

SITE-WIDE SHALLOW GROUNDWATER ELEVATION CONTOURS
1st QUARTER 2009

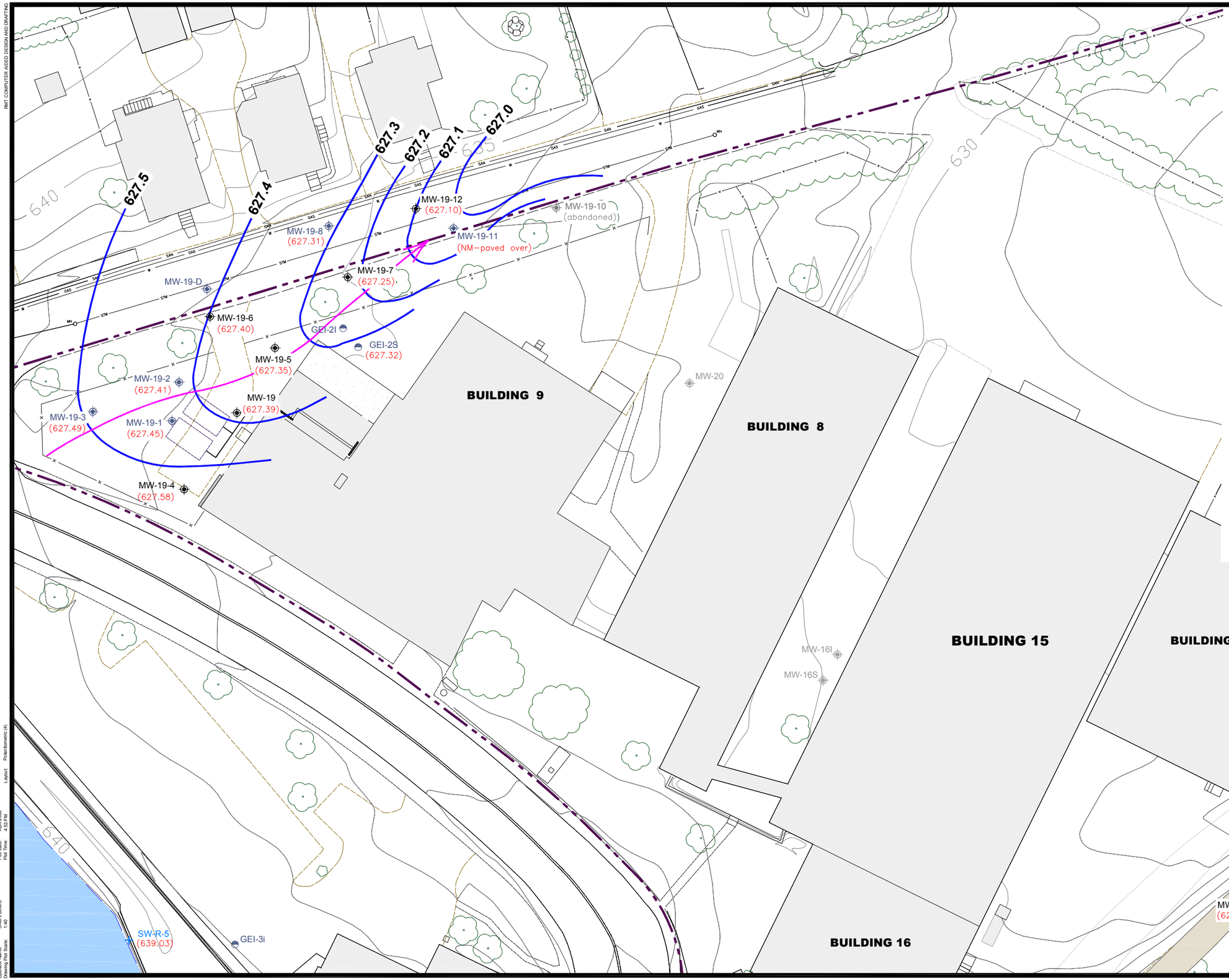
DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.23.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 3**	
DATE: March 2009			

RMT
3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

Layout: Well Location Map (3)

Drawing Name: J:\06527\35\6527.35.23.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1:40
Dwg Size: 0.25 Mb
Plot Date: April 2008
Plot Time: 1:59 PM



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 (626.90) — WELLS SAMPLED DURING FIRST QUARTER 2009 AND SHOWING SHALLOW WATER LEVEL ELEVATION
- MW-19-11 — WELL WITH MEASURED WATER ELEVATION ONLY
- MW-19-10 — ABANDONED APRIL 2008
- FENCE LINE
- 626 — GROUNDWATER ELEVATION CONTOUR
- SAN — SANITARY SEWER
- G&W — GAS AND WATER
- STM — REGIONAL STORM SEWER LINE
- W — WATER
- E — ELECTRIC
- MH — MANHOLE
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON JANUARY 12, 2009.
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.

N

0 20' 40' 60' 80'
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP
1st QUARTER 2009

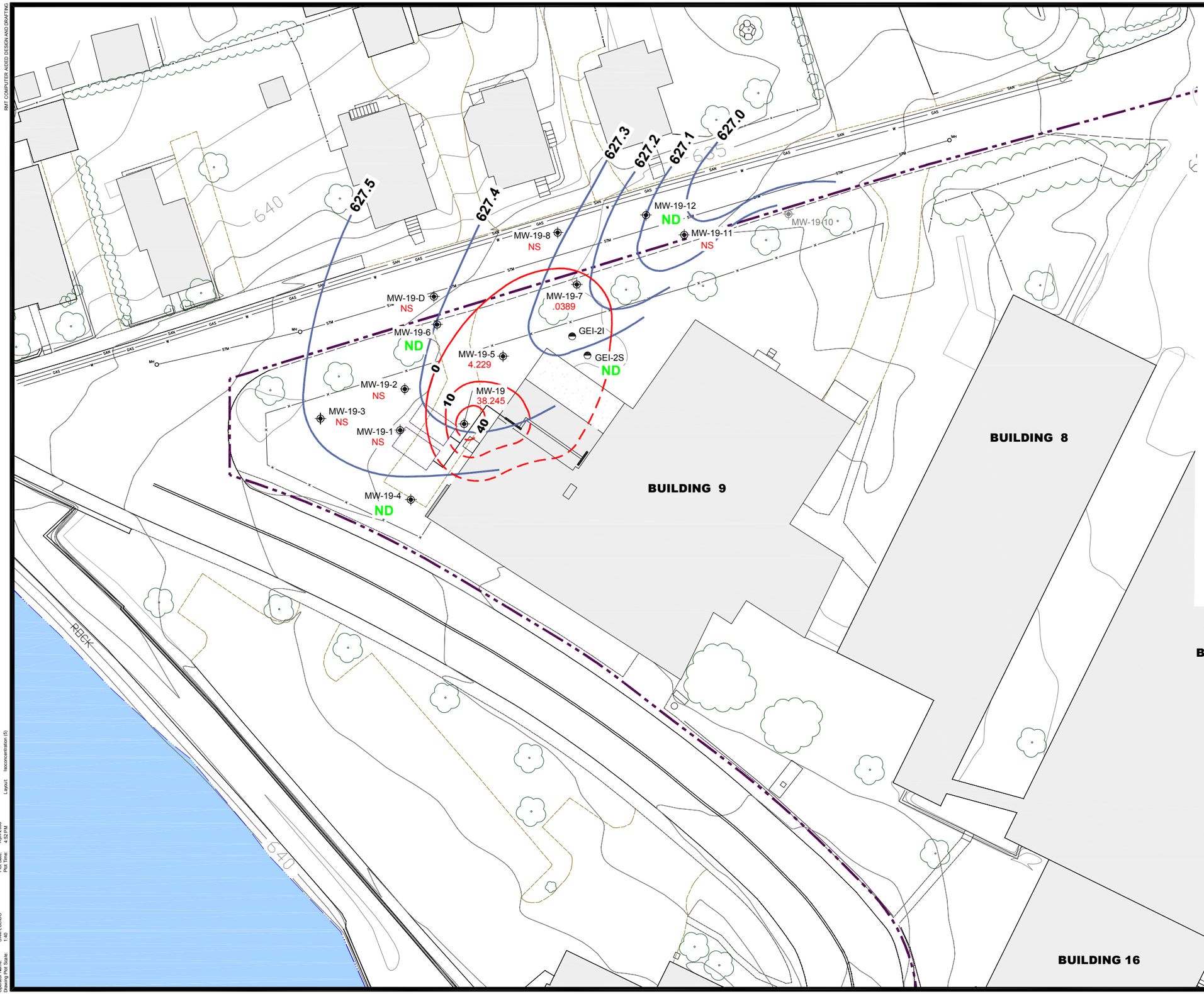
DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.24.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 4**	
DATE: March 2009			

RMT

3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

Drawing Name: J:\06527\35\6527.35.24.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1:40
Dwg Size: 0.18 Mb
Plot Date: April 2008
Plot Time: 4:52 PM
Layout: Potentiometric (4)



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 / 0.038 — MONITORING WELL WITH CORRESPONDING TOTAL DISSOLVED BTEX CONCENTRATION IN PPM (mg/L)
- MW-19-10 — ABANDONED APRIL 2008
- GEI-2I — QUARTERLY STATIC WATER LEVEL MONITORING LOCATION
- FENCE LINE
- 626 — GROUNDWATER ELEVATION CONTOUR
- SAN — SANITARY SEWER
- G&W — GAS AND WATER
- STM — REGIONAL STORM SEWER LINE
- W — WATER
- E — ELECTRIC
- MH — MANHOLE
- 10 — ISOCONCENTRATION CONTOUR FOR TOTAL MAXIMUM BTEX (ppm) IN GROUNDWATER
- 10 — ISOCONCENTRATION LINE WHERE INFERRED CONTAMINATION (ppm) IN GROUNDWATER BASED ON SOURCE DETERMINATION (SEPT. 2007 RASR)

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. NS = NOT SAMPLED; ND = NOT DETECTED
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.
5. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON JANUARY 12, 2009.

N

0 20' 40' 60' 80'
SCALE IN FEET

NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER
ISOCONCENTRATION MAP
1st QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.25.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 5**	
DATE: March 2009			

RMT
3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

Drawing Name: J:\06527\35\6527.35.25.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1:40
Dwg Size: 0.29 Mb
Plot Date: April 2008
Plot Time: 4:52 PM
Layout: Isoconcentration (5)

Appendix A
Field Data Forms

RMT®

PROJECT NAME:	L. E. Carpenter
PROJECT NUMBER:	6527.35
PROJECT MANAGER:	N. Clevett
SITE LOCATION:	Wharton, NJ
DATES OF FIELDWORK:	1/12/2008 TO 1/15/2008
PURPOSE OF FIELDWORK:	Collect Static Water Levels, Ground and Surface Water Samples
WORK PERFORMED BY:	S. Pawlukiewicz & S. Middlebrook

SIGNED 1-19-09 DATE

S. Pawlukiewicz 1-19-09

CHECKED BY 1/22/09 DATE

REVISED 07/2005

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 1-12-09	TIME ARRIVED: 11:30
PROJECT NUMBER: 6527.35	AUTHOR: SP/SM	TIME LEFT: 1800

WEATHER

TEMPERATURE: 30 °F WIND: 5-15 MPH VISIBILITY: P/Cloudy

WORK / SAMPLING PERFORMED

- Pick up coolers at hotel
- unload at site
- Begin water levels and surface water samples.
- Sample SW-D-1, SW-D-2, SW-D-3, SW-D-4, SW-D-5, SW-R-1, SW-R-2, SW-R-3 (Dup-01), SW-R-4, SW-R-5, SW-R-6, DRC-01.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Ice at Surface water locations.	Auger through to water

COMMUNICATION

NAME		
Dave Condon	PolyOne	Checked in
Wharton Police		Let Know, we would be onsite this week
Jennifer Overvoorde	RMT	update

Scott Middleton 1-19-09
SIGNED DATE

JOvervoorde 1/22/09
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 1-13-09	TIME ARRIVED: 7:00
PROJECT NUMBER: 6527.35	AUTHOR: SP/SM	TIME LEFT: 1800

WEATHER

TEMPERATURE: 17-35 °F WIND: 5-10 MPH VISIBILITY: P/Cloudy

WORK / SAMPLING PERFORMED

- Finish water levels in 19 section
- Purge wetland wells.

- mw-30's are all frozen
- Purge mw-27s
  Sample 6EI-2s, mw-19-4, mw-19-12

- work with surveyor

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Backpack/water level indicator broke during shipment.	- call and order a rental

COMMUNICATION

NAME		
Jennifer O.	RMT	update.
Anna	QED	- Backpack rental

[signature] 1-19-09 [signature] 1/22/09

SIGNED DATE CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 1-14-09	TIME ARRIVED: 700
PROJECT NUMBER: 6527.35	AUTHOR: SP/SM	TIME LEFT: 1700

WEATHER

TEMPERATURE: 12-20 °F WIND: 5-20 MPH VISIBILITY: Cloudy

WORK / SAMPLING PERFORMED

- calibrate and water sample.
- pack coolers for courier
- End of day pack coolers for Fed ex

Sample - MW-27s, MW-19-7, ATM-01, MW-19-6, MW-19-6 MS/MSD, MW-19-5, MW-31s, MW-19, MW-8

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME		
Jennifer Overvoorde	RMT	Update

[signature] 1-19-09 [signature] 1/22/09

SIGNED DATE CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 1-15-09	TIME ARRIVED: 700
PROJECT NUMBER: 6527.35	AUTHOR: SP/SM	TIME LEFT: 1915

WEATHER

TEMPERATURE: 10-15 °F WIND: 5-15 MPH VISIBILITY: Cloudy/Snow

WORK / SAMPLING PERFORMED

- calibrate and sample.
- Pack and ship coolers
- Pack and ship equipment

Sample- Finish MW-27s, MW-29, MW-28I (Dup-02), MW-28s, MW-35s, MW-25(R), RB-02, RB-03, MW-34s, MW-33s MW-32s.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Pressure relief on backpack froze and broke	- hooked air compressor upto battery.

COMMUNICATION

NAME		
Jennifer Overvoorde	RMT	Update, problems w/ equipment

[signature] 1-19-09 [signature] 1/22/09

SIGNED DATE CHECKED BY DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	L. E. Carpenter	DATE:	1-12-09 / 1-13-09
PROJECT NUMBER:	6527.35	AUTHOR:	SP/SM

	WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
	MW-19	0916		8.51	16.61		
	MW-19-1	0914		8.19	–		
	MW-19-2	0912		8.87	–		
	MW-19-3	0908		9.21	–		
x	MW-19-4	0907		7.85	16.05		
x	MW-19-5	0905		8.21	15.60		
x	MW-19-6	0930		8.42	19.50		
x	MW-19-7	0756		7.75	20.22		
	MW-19-8	0758		8.05			
	MW-19-9D	0802		8.10	–		
	MW-19-10	–		NM	–		
	MW-19-11	–		NM	–		
x	MW-19-12	0750		7.36	18.70		
	GEI-2I	0900		9.85			
	GEI-2S	0902		9.75			
	GEI-3I			12.08			
	MW-15S	0736		9.70			
	MW-15I	0735		9.68			
	MW-18S	0729		4.56			
	MW-18I	0728		4.14			
	MW-17S	1542		7.54			
	MW-12R	1020		7.55			
	MW-9	1536		3.43			
	MW-8	1533		2.70			
	MW-25R	1318		2.19	9.82		
	MW-21	1358		2.72			
	MW-27S	0741		8.01	13.05		
	MW-28S	1551		5.20	17.64		

Demarde 1/22/09

7/58

MW-28I	1549		5.01	22.82		
MW-29S	1024		6.85	14.60		
MW-30S	NM	Frozen				
MW-30I	NM					
MW-30D	NM					
MW-31s	0730		4.68	10.22		
MW-32s	0735		5.86	NM	5.84	
MW-33s	0739		6.01	10.22		
MW-34s	0744		5.25	10.22		
MW-35s	0750		4.51	10.12		
SW-D-1	1725		1.89			
SW-D-2	1710		2.14			
SW-D-3	1655		1.71			
SW-D-4	1515		1.01			
SW-D-5	1345		3.11			
SW-R-1	1400		2.43			
SW-R-2	1420		2.53			
SW-R-3 (Dup-01)	1430		1.72			
SW-R-4	1500		2.41			
SW-R-5	16~~50~~ 25		1.63			
SW-R-6	16~~4~~ 10		NM			
DRC-2	1332		1.84			
SG-R2	1540		2.48			
MW-13S	4.99		17.05			
MW-13I	4.15		16.48			
MW-13S (R)	NM		NM			

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

Scott Middleton 1-19-09
SIGNED DATE

J Overmode 1/22/09
CHECKED DATE

RMT®

EQUIPMENT SUMMARY

PROJECT NAME:	L. E. Carpenter	SAMPLER NAME:	S. Pawlukiewicz & S. Middlebrook
PROJECT NO.:	6527.35		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
QED	LEC

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
NA	NA

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
QED	LEC

PURGING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	GRR1

SAMPLING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	GRR1

NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
GEOTECH DISPOSABLE FILTER	0.45 MICRON

TUBING TYPE	
DISPOSABLE POLY TUBING	☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

POTABLE WATER SOURCE	DI WATER SOURCE
NA	STORE BOUGHT

SIGNED	DATE	CHECKED BY	DATE
S Pawlukiewicz	1-13-09	J Overmoorde	1/22/09

RMT®

EQUIPMENT SUMMARY

PROJECT NAME:	L. E. Carpenter	SAMPLER NAME:	S. Pawlukiewicz & S. Middlebrook
PROJECT NO.:	6527.35		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
QED	LEC

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
Heron	LEC

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)
QED	LEC

PURGING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	6RR2

SAMPLING METHOD

NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
BLADDER PUMP (QED SAMPLE PRO)	6RR2

NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
GEOTECH DISPOSABLE FILTER	0.45 MICRON

TUBING TYPE	
DISPOSABLE POLY TUBING	☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

POTABLE WATER SOURCE	DI WATER SOURCE
NA	STORE BOUGHT

SIGNED	DATE	CHECKED BY	DATE
Scot Middlebrook	1-19-09	[signature]	1/22/09

RMT

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: YSI 556	SAMPLER: SP/SM
PROJECT NO.: 6527.35	SERIAL #: GRR	DATE: 1-13-09

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 8282-10 10/23/10		PH 4 / 10 (LOT NUMBER): 8260-23 4 9-18-10		TIME
7.00	/ ~~10.00~~ 7.00	4.00	/ 4.00	0536
7.01	/ 7.00	4.03	/ 4.00	1437
	/		/	
	/		/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2806432 06/09		TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1251	/ 1251	19.21	1413	0544
827	/ 896	5.20	1413	1439
	/			
	/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
9.25	0553
10.02	1440

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): 4007		(LOT #):		TIME
0	/ 0	11	/ 10	0557
	/		/	
	/		/	
	/		/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 8206-01 09-22-09		TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
211.0	/ 211.0	19.48	220	0548
232.0	/ 232.0	12.24	220	1443
	/			
	/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED [signature] DATE 1-13-09

CHECKED BY [signature] DATE 1/22/09

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: YSI 556	SAMPLER: SP/SM
PROJECT NO.: 6527.35	SERIAL #: 6RR	DATE: 1-15-09

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 8282-10	PH 4 / 10 (LOT NUMBER): 8260-23	TIME
7.02 / 7.00	3.99 / 4.00	0631
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2806432 06/09	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1155 / 1155	15.58	1113	632
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
9.90	639

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): 4007	(LOT #):	TIME
0 / 0	/	642
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 8256-01 9-22-09	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
220 / 228	15.59	—	636
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
short sampling day	

Scott Middleton 1-15-09
SIGNED DATE

dOvernoorde 1/22/09
CHECKED BY DATE

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: ~~YSI 556~~ QED MP20	SAMPLER: SP/SM
PROJECT NO.: 6527.35	SERIAL #: LEC UNIT	DATE: 1-13-09

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 8282-10	PH 4 / 10 (LOT NUMBER): 8260-23	TIME
7.90 / 7.00	5.18 / 4.00	1118
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 00653-18	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1.333 / 1413	7.31	1413	1120
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): 4007	(LOT #):	TIME
10 / 11.0	1 / 0.34	1108
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 8256-01	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
220 / 205	7.85	–	1123
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 1-13-09
SIGNED DATE

[signature] 1/22/09
CHECKED BY DATE

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: ~~YSI 556~~ QED MP20	SAMPLER: SP/SM
PROJECT NO.: 6527.35	SERIAL #: LEC UNIT	DATE: 1-14-09

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 8282-10	PH 4 / 10 (LOT NUMBER): 8260-23	TIME
7.92 / 7.00	4.92 / 4.00	0610
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 00653-18	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1392 / 1413	20.2	1413	0614
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
8.13	0622

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): 4007	(LOT #):	TIME
9.75 / 10	0.92 / 1	0612
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 8256-01	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
220 / 212	19.80	—	0620
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
—	—

S Pawlikiny 1-14-09
SIGNED DATE

J Overmoorde 1/22/09
CHECKED BY DATE

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: ~~YSI 556~~ QED MP70	SAMPLER: SP/SM
PROJECT NO.: 6527.35	SERIAL #: LEC Unit	DATE: 1-15-09

PH CALIBRATION CHECK

PH 7 (LOT NUMBER):	PH 4 / 10 (LOT NUMBER):	TIME
/	/	
NA	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER):	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
/			
NA /			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
NA	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #):	(LOT #):	TIME
10 / 10.25	1 / 1.15	0620
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER):	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
/			
NA /			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
METER NOT OPERATING.	USED YSI Meter.

S. Pawlikiewicz 1-15-09
SIGNED DATE

[signature] 1/22/09
CHECKED BY DATE

REVISED 07/2005

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: DRC-2 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1332	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☑ LITERS ☐ GALLONS			TEMPERATURE: NA °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
				NA					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199774	SIGNATURE: Scott Muddell	DATE SIGNED: 1-13-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: SW-D-5 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1345	DATE: 1-12-09

PURGE METHOD: ☐ PUMP ☐ BAILER

DEPTH TO WATER: T/ PVC

DEPTH TO BOTTOM T/ PVC

WELL VOLUME: ☑ LITERS ☐ GALLONS

VOLUME REMOVED: ☑ LITERS ☐ GALLONS

COLOR: ODOR:

TURBIDITY:

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

NA

PH: SU CONDUCTIVITY: umhos/cm

ORP: mv DO: mg/L

TURBIDITY: NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: °C OTHER:

COLOR: ODOR:

FILTRATE (0.45 um) ☐ YES ☑ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS:

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mulder	DATE SIGNED: 1/13/09

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: SW-R-1 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1400	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mahlle	DATE SIGNED: 1-12-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: KO	DATE: 1/22/09

SAMPLE ID: SW-R-2 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1420	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☑ LITERS ☐ GALLONS			TEMPERATURE: NA °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
				NA					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED		PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3							
NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: [illegible]	DATE SIGNED: 1-12-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: SW-R-3 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1430	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM NA T/ PVC			☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☑ DUP- 01		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
				NA					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	E	☐ Y ☑ N	4	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mulvihill	DATE SIGNED: 1-12-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: dO	DATE: 1/22/09

SAMPLE ID: SW-R-4 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1500	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: NA T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: NA °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
				NA					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: [signature]	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: JD	DATE: 1/22/09

SAMPLE ID: SW-D-4

WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1515	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: TOC PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM: NA TOC PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: NA °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
				NA					

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 0.1 OR <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mudelle	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: do	DATE: 1/22/09

SAMPLE ID: SW-R-6 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1610	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mueller	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: do	DATE: 1/22/09

SAMPLE ID: SW-R-5 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1625	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mulvilled	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1/12/09	BY: dO	DATE: 1/22/09

SAMPLE ID: SW-D-3 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1655	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mudelle	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: JO	DATE: 1/22/09

SAMPLE ID: SW-D-2 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1710	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Mulvelle	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-12-09	BY: LD	DATE: 1/22/09

SAMPLE ID: SW-D-1 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☑ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1725	DATE: 1-12-09
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: TV PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM TV PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

NA

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					☐ Y ☐ N
				☐ Y ☐ N					

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 199773	SIGNATURE: Scott Meldal	DATE SIGNED: 1-13-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 9-13-09	BY: JO	DATE: 1/22/09

SAMPLE ID: MW-19-12 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1151	DATE: 9-13-08	SAMPLE	TIME: 1216	DATE: 9-13-09

PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER

DEPTH TO WATER: 7.36 T/ PVC

DEPTH TO BOTTOM 16.70 T/ PVC

WELL VOLUME: 6.05 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 10 [✓] LITERS [ ] GALLONS

COLOR: clr ODOR: NO

TURBIDITY: 19.6

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.91 SU CONDUCTIVITY: 568 umhos/cm

ORP: 72 mv DO: 6.47 mg/L

TURBIDITY: 0.5 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 7.47 °C OTHER: —

COLOR: clr ODOR: NO

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: Ferrous: 0.1 Alk: 120 CO_2: <10

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1151	400	7.42	601	128	7.03	19.6	7.01	7.36	INITIAL
1156	↓	7.62	570	64	6.63	5.53	7.40	7.41	2
1201		7.75	567	61	6.47	—	7.40	7.39	4
1206		7.83	567	67	6.52	0.68	7.42	7.40	6
1211		7.87	564	71	6.42	0.56	7.46	7.40	8
1216		7.91	568	72	6.47	0.50	7.47	7.44	10

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 ✓ COND.: +/- ~~10~~ 5.0 ORP: ~~+/- 10~~ D.O.: +/- ~~10~~ 0.3 TURB: +/- 0.1 ✓ OR </= 10 ✓ TEMP.: +/- 0.5°C ✓

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: FEDEX	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 195168	SIGNATURE: S. Pawlikiewicz	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: dO	DATE: 1/22/09

SAMPLE ID: MW-19-4 WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1414	DATE: 9-13-09	SAMPLE	TIME: 1519	DATE: 9-13-09
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.71 SU	CONDUCTIVITY: 1500 umhos/cm	
			ORP: 62 mv	DO: 4.52 mg/L	
DEPTH TO WATER: 7.84 T/ PVC			TURBIDITY: 9.86 NTU		
DEPTH TO BOTTOM 16.05 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 20.28 ☑ LITERS ☐ GALLONS			TEMPERATURE: 11.75 °C	OTHER:	
VOLUME REMOVED: 26 ☑ LITERS ☐ GALLONS			COLOR: Clr	ODOR: No	
COLOR: Cloudy / Floaties	ODOR: NO		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 89.5			FILTRATE COLOR: Clr	FILTRATE ODOR: No	
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous: 0.2 Alk: 90 CO_2: 25		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1414	400	7.66	1650	75	5.71	89.5	10.36	7.84	INITIAL
1419	↓	7.78	1650	67	4.22	74.3	11.77	8.00	2
1424		7.80	1630	64	4.15	54.7	11.68	8.00	4
1429		7.80	1620	63	4.22	48.4	11.75	8.00	6
1434		7.79	1610	62	4.23	39.0	11.72	8.00	8
1439		7.78	1580	62	4.27	34.9	11.75	8.00	10
1444		7.73	1570	62	4.28	26.3	11.75	8.00	12
1449		7.73	1560	62	4.31	23.3	11.77	8.00	14
1454		7.71	1540	63	4.41	17.2	11.71	8.00	16
1459	↓	7.71	1530	63	4.51	15.3	11.81	8.00	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- ~~10~~ 0.3 TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 195168	SIGNATURE: S. Pawlowski	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SP/SM	DATE: 1-13-09	BY: LD	DATE: 1/22/09

SAMPLE ID: MW-19-U

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1504	400	7.69	1520	62	4.45	14.0	11.74	8.00	20
1509		7.70	1510	62	4.53	12.5	11.68	8.00	22
1514		7.72	1510	62	4.48	12.7	11.70	8.00	24
1519		7.71	1500	62	4.52	9.86	11.75	8.00	26

SIGNATURE: B. Pawlikowski

DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: JO	DATE: 1/22/09

SAMPLE ID: GEI - 2S

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [X] PVC [ ] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1557	DATE: 1-13-09	SAMPLE	TIME: 1622	DATE: 1-13-09

PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER

DEPTH TO WATER: 9.75 T/ PVC

DEPTH TO BOTTOM 19.68 T/ PVC

WELL VOLUME: 6.43 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 10 [✓] LITERS [ ] GALLONS

COLOR: Cloudy ODOR: NO

TURBIDITY: 81.7

[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.40 SU CONDUCTIVITY: 898 umhos/cm

ORP: 67 mv DO: 2.78 mg/L

TURBIDITY: 9.8 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 10.45 °C OTHER:

COLOR: Clr ODOR: NO

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: Clr FILTRATE ODOR: NO

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: Ferrous: 0.1 Alk: 150 CO2: 27

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1557	400	7.95	746	52	4.54	81.7	7.80	9.75	INITIAL
1602		7.47	826	58	3.33	139	10.05	~~10.05~~ 9.90	2
1607		7.42	873	62	3.09	66.3	10.30	9.90	4
1612		7.41	893	64	2.92	31.1	10.35	9.90	6
1617		7.41	898	66	2.81	17.5	10.42	9.90	8
1622		7.40	898	67	2.78	9.5	10.45	9.90	10

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- ~~10~~ 5 ~~ORP: +/- 10~~ D.O.: +/- ~~10~~ 0.3 TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C** ✓

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: FedEx	DATE SHIPPED: 1-13-09	AIRBILL NUMBER: NA
COC NUMBER: 195168	SIGNATURE: S. Pawletzky	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-09	BY: dD	DATE: 1/22/09

SAMPLE ID: MW-19bE

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING		SAMPLE	
TIME: 0736	DATE: 1-14-09	TIME: 0756	DATE: 1-14-09
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.51 SU	CONDUCTIVITY: 1152 umhos/cm
		ORP: 48 mv	DO: 2.50 mg/L
DEPTH TO WATER: 7.45 T/ PVC		TURBIDITY: 8.69 NTU	
DEPTH TO BOTTOM 19.5 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 2.81 ☑ LITERS ☐ GALLONS		TEMPERATURE: 10.10 °C	OTHER:
VOLUME REMOVED: 8 ☑ LITERS ☐ GALLONS		COLOR: CL	ODOR: no
COLOR: cloudy / [illegible] ODOR: NO		FILTRATE (0.45 um) ☑ YES ☐ NO	
TURBIDITY: 111		FILTRATE COLOR: clr	FILTRATE ODOR: no
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		QC SAMPLE: ☒ MS/MSD ☐ DUP-	
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS: Ferrous: 0.4 Alk: 120 Co2: 20	

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0736	400	7.52	1163	78	8.94	111	9.83	7.45	INITIAL
0741	↓	7.47	1196	66	1.72	36.4	10.17	7.50	2
0746		7.48	1175	56	2.22	20.3	10.37	7.50	4
0751		7.50	1161	52	2.51	17.3	10.50	7.50	6
0756		7.51	1152	48	2.50	8.69	10.16	7.50	8

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
10 6	40 mL	VOA	E	☐ Y ☑ N	4 2	1 L	AMBER	F	☐ Y ☑ N
7 1	40 mL	VOA	A	☐ Y ☑ N	2 1	500mL	PLASTIC	A	☐ Y ☑ N
7 1	40 mL	VOA	C	☐ Y ☑ N	2 1	500mL	PLASTIC	B	☑ Y ☐ N
4 2	1 L	GLASS	C	☐ Y ☑ N	2 1	1 L	PLASTIC	A	☐ Y ☑ N
2 1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 199775	SIGNATURE: S. Pawlekiewicz	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-09	BY: dO	DATE: 1/22/09

SAMPLE ID: MW-12-7

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0919	DATE: 1-14-09	SAMPLE	TIME: 0939	DATE: 1-14-09

PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER

DEPTH TO WATER: 7.80 T/ PVC

DEPTH TO BOTTOM 20.22 T/ PVC

WELL VOLUME: 8.05 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 8 [✓] LITERS [ ] GALLONS

COLOR: clr ODOR: NO

TURBIDITY: 12.7

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.28 SU CONDUCTIVITY: 4350 umhos/cm

ORP: 63 mv DO: 1.33 mg/L

TURBIDITY: 3.20 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 9.70 °C OTHER: –

COLOR: clr ODOR: NO

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: Ferrous: 1.0 Alk: 120 SO_4: 20 Atm-cl @ 0945

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0919	400	6.61	3920	66	7.44	12.7	6.24	7.80	INITIAL
0924		7.13	4320	60	1.99	7.51	9.49	7.80	2
0929		7.26	4370	58	1.62	6.70	10.13	7.80	4
0934		7.30	4370	56	1.40	–	10.05	7.80	6
0939		7.28	4356	53	1.33	3.20	9.70	7.80	8

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 199775	SIGNATURE: S. Pawlak	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-09	BY: SD	DATE: 1/22/09

SAMPLE ID: AIM - 01 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☒ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 0945	DATE: 1-14-09
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER:	TOC		TURBIDITY: NTU		
DEPTH TO BOTTOM	TOC		☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	☑ LITERS ☐ GALLONS		TEMPERATURE: °C	OTHER:	
VOLUME REMOVED:	☑ LITERS ☐ GALLONS		COLOR:	ODOR:	
COLOR:	ODOR:		FILTRATE (0.45 um) ☑ YES ☒ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL

NA

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☒ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 199775	SIGNATURE: S. Sandstrom	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-08	BY: KO	DATE: 1/22/09

SAMPLE ID: MW-19-5 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1131	DATE: 1-14-09	SAMPLE	TIME: 1211	DATE: 1-14-09
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.27 SU	CONDUCTIVITY: 227 umhos/cm	
			ORP: 16 mv	DO: 3.35 mg/L	
DEPTH TO WATER: 8.26 T/ PVC			TURBIDITY: 7.89 NTU		
DEPTH TO BOTTOM 15.60 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 4.76	☑ LITERS ☐ GALLONS		TEMPERATURE: 8.64 °C	OTHER: –	
VOLUME REMOVED: 16	☑ LITERS ☐ GALLONS		COLOR: clr	ODOR: no	
COLOR: clr	ODOR: no		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 20.5			FILTRATE COLOR: clr	FILTRATE ODOR: No	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous: 0.2 Alk: 60 Cor: 14		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1131	400	8.25	253	-24	7.80	20.5	4.24	8.26	INITIAL
1136	↑	7.54	218	-16	5.48	285	8.04	8.40	2
1141		7.42	218	-7	4.72	200	8.43	8.45	4
1146		7.36	218	-1	4.40	112	8.59	8.45	6
1151		7.34	219	3	4.18	53.0	8.69	8.45	8
1156		7.30	220	7	3.95	35.4	8.58	8.45	10
1201		7.26	222	10	3.64	22.1	8.66	8.45	12
1206		7.27	225	13	3.38	12.7	8.65	8.45	14
1211	↓	7.27	227	16	3.35	7.89	8.64	8.45	16

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 199776	SIGNATURE: S. Pawlowski	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: MW-19 WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1253	DATE: 1-14-09	SAMPLE	TIME: 1338	DATE: 1-14-09
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.44 SU	CONDUCTIVITY: 672 umhos/cm	
			ORP: -161 mv	DO: 0.08 mg/L	
DEPTH TO WATER: 8.45 T/ PVC			TURBIDITY: 2.50 NTU		
DEPTH TO BOTTOM 16.61 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 17.69	☑ LITERS	☐ GALLONS	TEMPERATURE: 10.63 °C	OTHER:	
VOLUME REMOVED: 18	☑ LITERS	☐ GALLONS	COLOR: Clr	ODOR: yes	
COLOR: Clr, blk. flakes	ODOR: yes		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 17.5			FILTRATE COLOR: Clr	FILTRATE ODOR:	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous: 10 Alk: 140 CO2: 25		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1253	400	7.07	602	-30	6.12	17.5	7.03	8.45	INITIAL
1258	↓	7.32	602	-113	1.53	10.90	10.46	8.65	2
1303		7.38	609	-135	1.02	7.46	10.58	8.65	4
1308		7.40	610	-141	0.74	6.06	10.63	8.65	6
1313		7.42	627	-147	0.52	5.40	10.65	8.65	8
1318		7.42	638	-151	0.40	5.09	10.64	8.65	10
1323		7.43	652	-155	0.30	>	10.66	8.65	12
1328		7.43	667	-158	0.10	4.80	10.53	8.65	14
1333		7.42	670	-159	0.10	3.06	10.60	8.65	16
1338	↓	7.44	672	-161	0.08	2.50	10.63	8.65	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- ~~10~~ 5 ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: FedEx	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 195169	SIGNATURE: S. Pumbetty	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-14-08	BY: JO	DATE: 1/22/09

SAMPLE ID: MW-8 WELL DIAMETER: ☐ 2" ☒ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☐ SS ☒ IRON ☐ OTHER

SAMPLE TYPE: ☒ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1500	DATE: 1-14-08	SAMPLE	TIME: 1545	DATE: 1-14-08

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER

DEPTH TO WATER: 2.60 T/ PVC

DEPTH TO BOTTOM 20.23 T/ PVC

WELL VOLUME: 43.72 ☑ LITERS ☐ GALLONS

VOLUME REMOVED: 18 ☑ LITERS ☐ GALLONS

COLOR: Brown / Blk. Floaties ODOR:

TURBIDITY: 160

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 8.08 SU CONDUCTIVITY: 607 umhos/cm

ORP: -198 mv DO: 0.10 mg/L

TURBIDITY: 52.3 NTU

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

TEMPERATURE: 9.19 °C OTHER: —

COLOR: Clay ODOR: NO

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: Clr FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Ferrous: 710 Alk: 125 CO_2: 30

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1500	400	7.39	603	-78	2.14	160	9.51 ~~18.12~~	2.60	INITIAL
1505		7.70	604	-154	0.99	213	9.77	2.70	2
1510		7.86	603	-186	0.47	176	9.50	2.80	4
1515		7.95	604	-198	0.29	96.3	9.53	2.80	6
1520		7.99	603	-202	0.19	87.3	9.46	2.80	8
1525		8.03	603	-204	0.15	71.6	9.39	2.80	10
1530		8.07	604	-203	0.13	62.6	9.21	2.80	12
1535		8.09	605	-202	0.11	56.4	9.22	2.80	14
1540		8.08	606	-200	0.09	55.7	9.24	2.80	16
1545		8.08	607	-198	0.10	52.3	9.19	2.80	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: FedEx	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 195169	SIGNATURE: S. Pawlitzky	DATE SIGNED: 1-14-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-15-09	BY: dO	DATE: 1/22/09

SAMPLE ID: MW-29 — WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0729	DATE: 1-15-09	SAMPLE	TIME: 0814	DATE: 1-15-09

PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER

DEPTH TO WATER: 7.06 T/ PVC

DEPTH TO BOTTOM 14.60 T/ PVC

WELL VOLUME: 4.89 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 18 [✓] LITERS [ ] GALLONS

COLOR: Brown ODOR: NO

TURBIDITY: 229

[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 6.72 SU CONDUCTIVITY: 564 umhos/cm

ORP: 62.8 mv DO: 1.14 mg/L

TURBIDITY: 6.78 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 9.00 °C OTHER: —

COLOR: Clr ODOR: NO

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: Clr FILTRATE ODOR: NO

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: Ferrous: 20 Alk: 200 CO_2: 50

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0729	400	6.72	642	158	3.30	229	5.33	7.06	INITIAL
0734	↓	6.87	550	114.5	0.55	72.4	8.20	7.10	2
0739		7.18	552	101.3	0.28	66.7	8.53	7.10	4
0744		7.19	555	94.0	0.25	50.4	8.74	7.10	6
0749		7.13	559	89.2	0.35	26.3	9.03	7.10	8
0754		6.99	558	85.5	0.52	23.4	8.84	7.10	10
0759		6.85	562	80.5	0.78	15.2	9.08	7.10	12
0804		6.77	562	76.0	1.05	10.71	8.98	7.10	14
0809		6.71	564	69.4	1.22	8.15	9.07	7.10	16
0814	↓	6.72	564	62.8	1.14	6.78	9.06	7.10	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 199776	SIGNATURE: S. Pumlet	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-15-09	BY: DO	DATE: 1/22/09

SAMPLE ID: MW-28 I — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0922	DATE: 1-15-09	SAMPLE	TIME: 1007	DATE: 1-15-09

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER

DEPTH TO WATER: 5.24 T/ PVC

DEPTH TO BOTTOM 22.82 T/ PVC

WELL VOLUME: 11.39 ☑ LITERS ☐ GALLONS

VOLUME REMOVED: 18 ☑ LITERS ☐ GALLONS

COLOR: Brown ODOR: NO

TURBIDITY: 176

☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.07 SU CONDUCTIVITY: 548 umhos/cm

ORP: -34.0 mv DO: 0.13 mg/L

TURBIDITY: 7.67 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 11.19 °C OTHER:

COLOR: clr ODOR: NO

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☑ DUP- 02

COMMENTS: Ferrous: 770, NK: 150 CO_2: 25

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0922	400	6.24	373	81.0	7.30	176	4.92	5.24	INITIAL
0927		6.87	490	23.6	1.88	100.3	10.17	5.30	2
0932		6.99	503	11.1	1.17	70.9	10.49	5.30	4
0937		7.00	515	1.2	0.76	46.4	10.60	5.30	6
0942		7.03	522	-4.7	0.54	34.6	10.60	5.30	8
0947		7.04	535	-12.5	0.35	19.7	10.76	5.30	10
0952		7.05	539	-18.7	0.26	16.3	10.87	5.30	12
0957		7.04	543	-24.8	0.19	13.1	10.96	5.30	14
1002		7.07	546	-29.8	0.16	7.94	11.06	5.30	16
1007		7.07	548	-34.0	0.13	7.67	11.19	5.30	18

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
10 ~~8~~	40 mL	VOA	E	☐ Y ☑ N	4 ~~2~~	1 L	AMBER	F	☐ Y ☑ N
2 ~~1~~	40 mL	VOA	A	☐ Y ☑ N	2 ~~1~~	500mL	PLASTIC	A	☐ Y ☑ N
2 ~~1~~	40 mL	VOA	C	☐ Y ☑ N	2 ~~1~~	500mL	PLASTIC	B	☑ Y ☐ N
4 ~~2~~	1 L	GLASS	C	☐ Y ☑ N	2 ~~1~~	1 L	PLASTIC	A	☐ Y ☑ N
2 ~~1~~	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 199776	SIGNATURE: S. Pawlikiny	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-15-09	BY: dD	DATE: 1/22/09

SAMPLE ID: MW-28S

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1128	DATE: 1-15-09	SAMPLE	TIME: 1153	DATE: 1-15-09

PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER

DEPTH TO WATER: 5.35 T/ PVC

DEPTH TO BOTTOM 17.64 T/ PVC

WELL VOLUME: 7.96 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 10 [✓] LITERS [ ] GALLONS

COLOR: Brown / Flakies ODOR: NO

TURBIDITY: 122

[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.59 SU CONDUCTIVITY: 466 umhos/cm

ORP: -15.3 mv DO: 0.18 mg/L

TURBIDITY: 9.86 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 9.63 °C OTHER:

COLOR: clr. ODOR: NO

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: Ferrous: 720 Alk: 115 CO_2: 22

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1128	400	7.38	415	51.2	6.60	122	6.59	5.35	INITIAL
1133		7.48	458	21.2	0.85	59.0	9.20	5.35	2
1138		7.57	462	8.3	0.35	31.7	9.36	5.35	4
1143		7.59	462	-0.9	0.25	24.9	9.38	5.35	6
1148		7.60	462	-8.4	0.20	15.3	9.37	5.35	8
1153		7.59	466	-15.3	0.18	9.86	9.63	5.35	10

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 199776	SIGNATURE: S. Pamelling	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: AO	DATE: 1/22/09

SAMPLE ID: MW-33s

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0812	DATE: 1-13-09	SAMPLE	TIME: 0823	DATE: 1-15-09
PURGE METHOD: [X] PUMP ~~BLADDER PUMP (GED)~~ peristaltic [ ] BAILER			PH: 5.20 SU	CONDUCTIVITY: 567 umhos/cm	
			ORP: 168.5 mv	DO: 0.37 mg/L	
DEPTH TO WATER: 6.01 T/ PVC			TURBIDITY: 38 NTU		
DEPTH TO BOTTOM 10.22 T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 2.72 [✓] LITERS [ ] GALLONS			TEMPERATURE: 5.29 °C	OTHER:	
VOLUME REMOVED: 3.2 [✓] LITERS [ ] GALLONS			COLOR: clr w/ floaters	ODOR: slight	
COLOR: clr w/ floaters ODOR: yes			FILTRATE (0.45 um) [✓] YES [ ] NO		
TURBIDITY: cloudy			FILTRATE COLOR:	FILTRATE ODOR:	
[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER			COMMENTS: Slight sheen in bucket		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0812	200	6.22	631	160.3	3.02	76	5.32	6.01	INITIAL
0817		5.19	574	186.1	0.29	61	5.55	7.49	1.0
0822		5.28	572	179.9	0.28	52	5.37	8.62	2.0
0827		5.20	567	168.5	0.37	38	5.29	9.81	3.0
0829	↓		pumped dry						3.2
	Product on tubing when pulled out.								
	Ferrous > 20		ALK - 225		CO_2 - 60				

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 0.1 OR <= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 200912	SIGNATURE: [signature]	DATE SIGNED: 1-13-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: MW-31S — WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0900	DATE: 1-12-09	SAMPLE	TIME: 1410	DATE: 1-14-09

PURGE METHOD: [✓] PUMP ~~BLADDER PUMP (QED)~~ Peristaltic [ ] BAILER

DEPTH TO WATER: 4.68 T/ PVC

DEPTH TO BOTTOM 10.22 T/ PVC

WELL VOLUME: 3.58 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 6.6 [✓] LITERS [ ] GALLONS

COLOR: ~~Clr Dark floaters~~ Clr. ODOR: slight

TURBIDITY: Clr w/ Dark floaters

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 10.98 SU — CONDUCTIVITY: 567 umhos/cm

ORP: 71.0 mv — DO: 0.43 mg/L

TURBIDITY: 15 NTU

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 5.45 °C — OTHER:

COLOR: clr w/ floaters — ODOR: yes

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: Clr — FILTRATE ODOR: slight

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: water level, broke in tote from shipping works occasionally

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0900	200	8.01	525	185.1	4.35	76	4.89	4.68	INITIAL
0905	↓	10.59	532	87.0	0.35	18	4.86	NM	1.0
0910		10.79	549	85.1	0.42	8	4.76	↓	2.0
0915		10.84	558	81.2	0.29	9	4.87	7.15	3.0
0920		10.46	491	80.0	0.23	8	4.98	NM	4.0
0925		10.84	523	74.3	0.22	5	5.13	↓	5.0
0930		10.98	567	71.0	0.43	15	5.45	↓	6.0
0933	↓	~~Dry~~	pumped dry			~~pr~~ sheen in bucket.			
		Ferrous Fe - 0.1		Alk - 200 ppm		CO_2 - 0			

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 0.1 OR </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-14-09	AIRBILL NUMBER: NA
COC NUMBER: 199772	SIGNATURE: [signature]	DATE SIGNED: 1-13-08

195164

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: dW	DATE: 1/22/09

SAMPLE ID: MW-329 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [✓] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 0947	DATE: 1-13-09	SAMPLE	TIME: 0915	DATE: 1-15-09

PURGE METHOD: [✓] PUMP ~~BLADDER PUMP~~ peristaltic (QED) [ ] BAILER

DEPTH TO WATER: 5.86 T/ PVC

DEPTH TO BOTTOM NM T/ PVC

WELL VOLUME: NA [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 3.0 [✓] LITERS [ ] GALLONS

COLOR: clr w/ Dark floater ODOR: yes

TURBIDITY: slight

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 6.94 SU CONDUCTIVITY: 665 umhos/cm

ORP: 42.1 mv DO: 0.32 mg/L

TURBIDITY: 8 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 5.60 °C OTHER:

COLOR: clr. ODOR: yes

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: clr. FILTRATE ODOR: yes

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: shun in bucket. Waters level meter broke in transport

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0947	200	7.61	617	83.4	7.93	18	4.98	5.86	INITIAL
0952	↓	6.95	674	57.9	0.46	6	5.43	NM	1.0
0957		6.93	678	48.3	0.21	4	5.62	↓	2.0
1002		6.94	665	42.1	0.32	8	5.60		3.0
		went dry as I was taking reading.							
1-15-09 - Sampled (0915)									
		product on tubing							

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- 0.1 COND.: +/- 10 ORP: +/- 10 D.O.: +/- 10 TURB: +/- 0.1 OR </= 10 TEMP.: +/- 0.5°C

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	~~1~~	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 200912	SIGNATURE: Scott Mulholland	DATE SIGNED: 1-13-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: JO	DATE: 1/22/09

SAMPLE ID: MW-34S

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1020	DATE: 1-13-09	SAMPLE	TIME: 1007	DATE: 1-15-09

PURGE METHOD: [✓] PUMP ~~BLADDER PUMP~~ (QED) Peristaltic [ ] BAILER

DEPTH TO WATER: 5.25 T/ PVC

DEPTH TO BOTTOM 10.22 T/ PVC

WELL VOLUME: 3.22 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 5.2 [✓] LITERS [ ] GALLONS

COLOR: clr w/ floaters ODOR: yes

TURBIDITY: cloudy

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.33 SU CONDUCTIVITY: 557 umhos/cm

ORP: 23.9 mv DO: 0.27 mg/L

TURBIDITY: 9 NTU

[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 5.90 °C OTHER:

COLOR: clr w/ few floaters ODOR: slight

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: FILTRATE ODOR: slight

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: water levels not read due to indicator broke during shipping

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1020	200	6.93	460	26.7	12.16	43	5.19	5.25	INITIAL
1025		7.24	585	25.0	2.62	32	5.66	NM	1.0
1030		7.29	588	23.7	0.99	23	5.65		2.0
1035		7.32	591	23.6	0.53	19	5.57		3.0
1040		7.35	595	23.9	0.37	14	5.67		4.0
1045		7.33	557	23.9	0.27	9	5.90		5.0
1046		pumped dry							5.2
Sampled 1-15-09 1007 / Could not fill all the bottles.									

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
~~5~~ 4	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	~~1~~	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
~~2~~ 1	1 L	GLASS	C	[ ] Y [✓] N	~~1~~	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 200912	SIGNATURE: Scott Middleton	DATE SIGNED: 1-15-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: dO	DATE: 1/22/09

SAMPLE ID: mw-35s

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1052	DATE: 1-13-09	SAMPLE	TIME: 1050	DATE: 1-15-09

PURGE METHOD: [✓] PUMP ~~BLADDER PUMP~~ peristaltic (QED) [ ] BAILER

DEPTH TO WATER: 4.51 T/ PVC

DEPTH TO BOTTOM 10.12 T/ PVC

WELL VOLUME: 3.64 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 5.0 [✓] LITERS [ ] GALLONS

COLOR: clr w/ Dark floaters ODOR: slight

TURBIDITY: Cloudy

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.28 SU CONDUCTIVITY: 607 umhos/cm

ORP: 3.3 mv DO: 0.15 mg/L

TURBIDITY: 59 NTU

[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 5.81 °C OTHER:

COLOR: cloudy ODOR: yes

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: slight FILTRATE ODOR: cl

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: WL. meter damaged in shipping.

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1052	200	7.16	561	18.7	7.33	14	5.51	4.51	INITIAL
1057	↓	7.21	578	20.7	1.67	8	5.67	NM	1.0
1102	↓	7.25	584	14.6	0.52	7	5.61	↓	2.0
1107	↓	7.26	597	11.0	0.28	14	5.56	↓	3.0
1112	↓	7.27	619	8.5	0.19	26	5.58	↓	4.0
1117	↓	7.28	607	3.3	0.15	59	5.81	↓	5.0
		Pumped dry at 1117 at I was taking readings.							
		Product on tubing							
		Ferrous > 20		Alk - 225 ppm		CO_2 - 30 ppm			

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Courier	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 199776	SIGNATURE: Scott Mulder	DATE SIGNED: 1-14-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-13-09	BY: dO	DATE: 1/22/09

SAMPLE ID: MW-27s

WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1453	DATE: 1-13-09	SAMPLE	TIME: 1055	DATE: 1-14-09

PURGE METHOD: [✓] PUMP ~~BLADDER PUMP~~ Peristaltic (QED) [ ] BAILER

DEPTH TO WATER: 8.01 T/ PVC

DEPTH TO BOTTOM 13.05 T/ PVC

WELL VOLUME: 3.27 [✓] LITERS [ ] GALLONS

VOLUME REMOVED: 3.8 [✓] LITERS [ ] GALLONS

COLOR: orange ODOR: none

TURBIDITY: Cloudy

[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY

DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER

PH: 7.35 SU CONDUCTIVITY: 522 umhos/cm

ORP: 51.3 mv DO: 1.12 mg/L

TURBIDITY: 1000 NTU

[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY

TEMPERATURE: 10.67 °C OTHER:

COLOR: Lt Brown ODOR: no

FILTRATE (0.45 um) [✓] YES [ ] NO

FILTRATE COLOR: Clr FILTRATE ODOR: no

QC SAMPLE: [ ] MS/MSD [ ] DUP-

COMMENTS: WL's not measured, idicator broke during shipment.

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1453	200	6.55	628	147.0	2.34	105	8.72	8.01	INITIAL
1458	↓	7.24	521	81.6	1.99	66	10.39	NM	1.0
1503		7.30	536	66.0	1.54	57	10.60	↓	2.0
1508		7.30	543	57.9	1.25	38	10.66		3.0
1512	↓	7.35	522	51.3	1.12	1000	10.67	↓	3.8
			Pumped Dry at 1512						
	Sampled - 1055 1-14-09								
finished sampling 0725 1-15-09									
	Ferrous - 0.1		Alk - 200 ppm			CO_2 - 20			

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED

PRESERVATIVE CODES

A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1 1-15	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1 1-15	500mL	PLASTIC	B	[✓] Y [ ] N
2 1-15	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-14/15	AIRBILL NUMBER: NA
COC NUMBER: 195169	SIGNATURE: Scott Muddle	DATE SIGNED: 1-19-09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-15-09	BY: AO	DATE: 1/22/09

SAMPLE ID: MW-25(L) WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [ ] PVC [X] SS [ ] IRON [ ] OTHER

SAMPLE TYPE: [X] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1248	DATE: 1-15-09	SAMPLE	TIME: 1427	DATE: 1-15-09
PURGE METHOD: [✓] PUMP BLADDER PUMP (QED) [ ] BAILER			PH: 7.22 SU	CONDUCTIVITY: 383 umhos/cm	
			ORP: 21.8 mv	DO: 6.71 mg/L	
DEPTH TO WATER: 2.26 T/ PVC			TURBIDITY: 8 NTU		
DEPTH TO BOTTOM 9.82 T/ PVC			[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 4.90 [✓] LITERS [ ] GALLONS			TEMPERATURE: 5.00 °C	OTHER:	
VOLUME REMOVED: 24.0 [✓] LITERS [ ] GALLONS			COLOR: clr	ODOR: none	
COLOR: Lt Brn	ODOR: no		FILTRATE (0.45 um) [✓] YES [ ] NO		
TURBIDITY: Cloudy			FILTRATE COLOR: clr	FILTRATE ODOR: none	
[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD [ ] GROUND [ ] DRUM [✓] OTHER			COMMENTS: Had problems w/ equipment freezing.		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1248	400	7.61	333	17.0	12.15	371	6.07	2.26	INITIAL
1253		7.73	407	15.7	3.84	175	6.76	2.34	2.0
1258		7.70	403	13.7	3.41	77	6.35	2.36	4.0
1303		7.57	399	12.9	3.74	40	6.17	2.37	6.0
1308		7.41	393	12.9	0.89	17	5.65	2.39	
1313		pack pack blew an air line.							
~~1318~~							~~5.14~~		
1347		6.61	378	37.4	5.27	242	5.19	2.38	8.0
1352		7.01	405	28.6	2.44	138	6.43	2.37	10.0
1357		7.10	399	26.9	1.99	72	5.89	2.38	12.0

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR </= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	1	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1	125 mL	PLASTIC	F	[ ] Y [✓] N					

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 200912	SIGNATURE: Scott [illegible]	DATE SIGNED: 1-15-09

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 1-15-09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: MW-25R

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1402	400	7.16	393	25.8	1.84	42	5.61	2.38	14.0
1407		7.20	389	24.6	1.45	29	5.35	2.39	16.0
1412		7.21	387	23.9	1.22	18	5.19	2.39	18.0
1417		7.21	385	23.0	0.87	11	5.06	2.40	20.0
1422		7.22	~~386~~ 384	22.3	0.76	9	4.99	2.40	22.0
1427		7.22	383	21.8	0.71	8	5.00	2.40	24.0

CO_2 < 10 Ferrous - .5 ALK-120

SIGNATURE: [signature] DATE SIGNED: 1-15-09

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE: 6/15/09	BY: [illegible]	DATE: 1/22/09

SAMPLE ID: RB-02 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER N/A

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☒ OTHER N/A

SAMPLE TYPE: ☐ GW ☐ WW ☐ SW ☒ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 1515	DATE: 6-15-09

PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER	PH: SU / CONDUCTIVITY: umhos/cm / ORP: mv / DO: mg/L
DEPTH TO WATER: T/ PVC	TURBIDITY: NTU
DEPTH TO BOTTOM T/ PVC	☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: ☑ LITERS ☐ GALLONS	TEMPERATURE: °C / OTHER:
VOLUME REMOVED: ☑ LITERS ☐ GALLONS	COLOR: / ODOR:
COLOR: / ODOR:	FILTRATE (0.45 um) ☑ YES ☐ NO
TURBIDITY:	FILTRATE COLOR: / FILTRATE ODOR:
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER	COMMENTS:

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (µmhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
		Purge	Blank		on				
		New	RMT	GK	Bladder	Pump.			

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☐ Y ☒ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: FEDEX	DATE SHIPPED: 6/15/09	AIRBILL NUMBER: NA
COC NUMBER: 200912	SIGNATURE: S. Pawlowski	DATE SIGNED: 6/19/09

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SP/SM	DATE:	BY: AO	DATE: 1/22/09

SAMPLE ID: RB-03 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER NA

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☑ OTHER NA

SAMPLE TYPE: ☐ GW ☐ WW ☐ SW ☑ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1-15-09	DATE: 1800
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☑ YES ☑ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
									INITIAL
	Rinse Blank on QED RMT Bladder Pump.								

NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

pH: +/- **0.1** COND.: +/- **10** ORP: +/- **10** D.O.: +/- **10** TURB: +/- **0.1** OR <= **10** TEMP.: +/- **0.5°C**

BOTTLES FILLED — PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					

SHIPPING METHOD: FEDEX	DATE SHIPPED: 1-15-09	AIRBILL NUMBER: NA
COC NUMBER: 198375	SIGNATURE: [signature]	DATE SIGNED: 1-19-09

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 199773

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: RMT, Inc Acct. #: _____
Project Name/#: L.E. Carpenter PWSID #: _____
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook/ Quote #: _____
Name of state where samples were collected: NJ

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX (H)	DEHP (O)							Remarks	Temperature of samples upon receipt (if requested)
SW-D-1	1-12-09	1725	X			X		5	3	2								
SW-D-2		1710	x			x		5	3	2								
SW-D-3		1655	x			x		5	3	2								
SW-D-4		1515	x			x		5	3	2								
SW-D-5		1345	x			x		5	3	2								
SW-R-1		1400	x			x		5	3	2								
SW-R-2		1420	x			x		5	3	2								
SW-R-3		1430	x			x		5	3	2								
SW-R-4		1500	x			x		5	3	2								
SW-R-5		16[illegible]	x			x		5	3	2								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/13/09	13:30	[signature]	1/13/09	13:[illegible]

50/58

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 199774

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	BTEX (H)	DEHP (O)							Remarks	Temperature of samples upon receipt (if requested)
Dup-01	1-12-09	—	X			X		5	3	2								
SW-R-6		1610	X			X		5	3	2								
DRC-2		1332	X			X		5	3	2								
TB-01		—	X			X			3									

(7)
Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overwoorde@rmtinc.com

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No_____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

51/58

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 195168

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: RMT, Inc Acct. #: _____
Project Name/#: L.E. Carpenter PWSID #: _____
Project Manager: [illegible] P.O.#: 6527.35
Sampler: S Middlebrook/S. Pawlukiewicz Quote #: _____
Name of state where samples were collected: N.J.

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	DEHP	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss Lead	HPC	Total Pos Rich			Remarks
									O	-	-	S	N	O	S			
GEI-2s	1-13-09	1622	x			x		10	2	2	1	1	1	1	2			Diss. Lead is field
MW-19-4	↓	1519	x			x		10	2	2	1	1	1	1	2			filtered
MW-19-12	↓	1216	x			x		10	2	2	1	1	1	1	2			

Matrix: ☐ Potable ☐ NPDES Check if Applicable

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	[illegible]	[illegible]	Fed Ex	[illegible]	

52/58

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 199775

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L. E. Carpenter PWSID #:
Project Manager: N. Clouth P.O.#: 6527.35
Sampler: S. Middlebrook / S. Pawlukiewicz Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	DEHP	TDS/TSS/Sulfate	Nitrite Nitrogen	Nitrate Nitrogen	Diss Lead	HPC	Total Pos P/NH3			Remarks (Temperature of samples upon receipt (if requested))
MW-19-7	11-4-09	0939	X			X		10	2	2	1	1	1	1	2			Diss lead is field
ATM-01		0945	X			X		10	2	2	1	1	1	1	2			filtered except
MW-19-6 MS/MSD		0956	X			X		10	2	2	1	1	1	1	2			ATM-01, run for
MW-19-6		0956	X			X		10	2	2	1	1	1	1	2			total lead.
MW-19-5		1115	X			X		10	2	2	1	1	1	1	2			

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	[illegible]	[illegible]	[signature]	[illegible]	[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

53/58

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 195169

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

1
Client: RMT, Inc Acct. #: _____
Project Name/#: L.E. Carpenter PWSID #: _____
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook / S. Pawlukiewicz Quote #: _____
Name of state where samples were collected: NJ

5 Analyses Requested

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

2 Sample Identification	Date Collected	Time Collected	3 Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Other	4 Total # of Containers	DEHP (O)	TDS/TSS/Sulfate (I)	Nitrite Nitrogen (I)	Nitrate Nitrogen (S)	Diss Lead (N)	HPC (O)	Total Pas D/NH_3 (S)			6 Remarks (Temperature of samples upon receipt (if requested))
MW-31s	1-14-09	1410	X			X		10	2	2	1	1	1	1	2			Diss lead is
MW-19	↓	1338	X			X		10	2	2	1	1	1	1	2			[illegible]
MW-27	↓	1055	X			X		8	2	1	1	1	1	1	2			
MW-8	↓	1545	X			X		10	2	2	1	1	1	1	2			

7 Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

8 Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

9

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	1-14-09	1900	Fed Ex		

54/58

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 199776

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: PMI Inc Acct. #: _____
Project Name/#: L.E. Carpenter PWSID #: _____
Project Manager: N Clevett P.O.#: 652735
Sampler: S. Middlebrook/S. [illegible] Quote #: _____
Name of state where samples were collected: NJ

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	BTEX	DEHP	[illegible]	[illegible]	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss Lead	HPC	Remarks
MW-27s	1/14/09	1055	X			X		1						1				Diss Lead is
MW-27s	1/15/09	0725	X			X		2					1			1		Field Filtered
MW-29	1/15/09	0814	X			X		15	3	2	2	2	2	1	1	1	1	
MW-28 I	1/15/09	1007	X			X			3	2	2	2	2	1	1	1	1	
MW-35s	1/15/09	1050	X			X			3	2	2	2	2	1	1	1	1	
MW-28s	1/15/09	1153	X			X			3	2	2	2	2	1	1	1	1	
Dup-02	1/15/09	—	X			X			3	2	2	2	2	1	1	1	1	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: [illegible]@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	[illegible]	[illegible]	[signature]	1/15/09	14:30

55/58

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 200912

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: RMT, Inc. Acct. #: _____

Project Name/#: L.F. Carpenter PWSID #: _____

Project Manager: M. Cole P.O.#: 622236

Sampler: Scott Blackstone / Bobby Stargis Quote #: _____

Name of state where samples were collected: OT

For Lab Use Only
FSC: _____
SCR#: 70452

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Applicable)	Matrix: Other	Total # of Containers	Preservation Codes: H	O	C	S	-	S	-	N	O	Remarks	Temperature of samples upon receipt (if requested)
RB-02	1-15-09	1515	x			x		10	3	2	2	2	2	1	1	1	1	Pass head is	
MW-27S	1-14-09	1035	x			x		5	3		2							Foot is missed	
MW-33S	1-15-09	0823	x			x		9	3	2	2	2	2	1	1	1	1	Except NO complete	
MW-32S	1-15-09	9:15	x			x		9	3	2	2	2	1	1	1	1	1		
MW-34S	1-15-09	1007	x			x		10	3	2	1	1		1	1	1			
MW-25R	1-15-09	1427	x			x		10	3	2	2	2	2	1	1	1	1		
MW-35S	1-15-09	1050	x			x		5	3		2								
MW-29	1-15-09	0814	x			x		5	3		2								
MW-28S	1-15-09	1453	x			x		5	3		2								
Dup-02	1-15-09	—	x			x		5	3		2								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 610-975-5115 Fax #: 610-975-10465
E-mail address: scott.blackstone@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bobby Stargis					
Scott Blackstone	1-15-09	1730			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

56/58

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 198375

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: [illegible]

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: [illegible] Acct. #: _____
Project Name/#: L. E. Carpenter PWSID #: _____
Project Manager: [illegible] P.O.#: 6527.35
Sampler: [illegible] Quote #: _____
Name of state where samples were collected: NJ

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Volatile Hydrocarbon (H)	Total Pet Hydrocarbon (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss Lead (N)	HPC (O)	Remarks	Temperature of samples upon receipt (if requested)
BB-03	1-15-09	1800	X			X		10	3	2	2	2	2	1	1	1	1		
TB-02	1-15-09	—	X			X		5	3		2								
MW-28I	1-15-09	1007	X			X		5	3		2								
MW-19-5	1-14-09	1015	X			X		5	3		2								

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: [illegible]@[illegible].com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	1-15-09	1730			

57/58

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 199772

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: _____
SCR#: _____

(1)
Client: RMT, Inc Acct. #: _____
Project Name/#: L.E. Carpenter PWSID #: _____
Project Manager: M. Clouett P.O.#: 6527.35
Sampler: S. Middlebrook/ Quote #: _____
Name of state where samples were collected: NJ

(5) Analyses Requested — Preservation Codes

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Volatile Hydrocarbons (H)	Total Lipids (S)	TDS/TSS/Sulfate (S)	Nitrate Nitrogen (N)	Nitrite Nitrogen (N)	Diss. Lead (N)	HPC (O)	Remarks	(6) Temperature of samples upon receipt (if requested)
MW-19-4	1-13-09	1519	x			x			3		2							Diss. Lead is	
MW-19-12	1-13-09	1216	x			x			3		2							field filtered.	
GEI-2s	1-13-09	1622	x			x			3		2								
MW-19-7	1-14-09	0939	x			x			3		2								
ATM-01	1-14-09	0945	x			x			3		2								
MW-19-6 MS/MSD	1-14-09	0756	x			x			3		2								
MW-19-6	1-14-09	0756	x			x			3		2								
MW-31s	1-14-09	1410	x			x			3		2								
MW-19	1-14-09	1337	x			x			3		2								
MW-8	1-14-09	1545	x			x			3		2								

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No _____

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-15-09	1730			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Appendix B
1st Quarter 2009 Laboratory Analytical Report

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1127968. Samples arrived at the laboratory on Tuesday, January 13, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
SW-D-1 Grab Water Sample	5576189
SW-D-2 Grab Water Sample	5576190
SW-D-3 Grab Water Sample	5576191
SW-D-4 Grab Water Sample	5576192
SW-D-5 Grab Water Sample	5576193
SW-R-1 Grab Water Sample	5576194
SW-R-2 Grab Water Sample	5576195
SW-R-3 Grab Water Sample	5576196
SW-R-4 Grab Water Sample	5576197
SW-R-5 Grab Water Sample	5576198
Dup-01 Grab Water Sample	5576199
SW-R-6 Grab Water Sample	5576200
DRC-02 Grab Water Sample	5576201
TB-01 Water Sample	5576202

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

ELECTRONIC COPY TO RMT, Inc. Attn: Nicholas J. Clevett

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

1 COPY TO Data Package Group
ELECTRONIC RMT, Inc. Attn: Jen Overvoorde
COPY TO

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Marla S. Lord
Senior Specialist

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576189 Group No. 1127968

SW-D-1 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 17:25 by SM Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-D1 SDG#: LEC68-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	12	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 16:33	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 04:08	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576190 **Group No. 1127968**

SW-D-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 17:10 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-D2 SDG#: LEC68-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	230	5	ug/l	5
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/22/2009 08:27	Brian K Graham	5
04601	BTEX by 624	EPA 624	1	01/22/2009 04:31	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576191 Group No. 1127968

SW-D-3 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 16:55 by SM Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-D3 SDG#: LEC68-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	14	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 18:23	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 04:54	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576192 Group No. 1127968

SW-D-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 15:15 by SM Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-D4 SDG#: LEC68-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	29	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	21	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	20	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 19:18	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 05:18	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576193 **Group No. 1127968**

SW-D-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 13:45 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-D5 SDG#: LEC68-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2	J	0.9	ug/l	1
04601	BTEX by 624						
00843	Benzene	71-43-2	N.D.		0.9	ug/l	1
00850	Toluene	108-88-3	N.D.		0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.		0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 20:13	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 05:41	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576194 **Group No. 1127968**

SW-R-1 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 14:00 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R1 SDG#: LEC68-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 21:08	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 06:04	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576195 Group No. 1127968

SW-R-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 14:20 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R2 SDG#: LEC68-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 22:02	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 06:28	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576196 **Group No. 1127968**

SW-R-3 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 14:30 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R3 SDG#: LEC68-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 22:57	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 06:51	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576197 Group No. 1127968

SW-R-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 15:00 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R4 SDG#: LEC68-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/17/2009 23:52	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 07:15	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576198 Group No. 1127968

SW-R-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 16:25 by SM Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R5 SDG#: LEC68-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/18/2009 00:47	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 07:38	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576199 Group No. 1127968

Dup-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

FD-01 SDG#: LEC68-11FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/18/2009 01:42	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 08:02	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576200 Group No. 1127968

SW-R-6 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 16:10 by SM

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

SW-R6 SDG#: LEC68-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/18/2009 02:37	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 08:25	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576201 Group No. 1127968

DRC-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009 13:32 by SM Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

DRC02 SDG#: LEC68-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/18/2009 03:32	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 08:48	Stephanie A Selis	1
08108	625 Water Extraction	EPA 625	1	01/14/2009 14:00	Kelli M Barto	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576202 **Group No. 1127968**

TB-01 Water Sample
L.E. Carpenter, NJ

Collected:01/12/2009

Account Number: 09322

Submitted: 01/13/2009 16:25
Reported: 01/23/2009 at 11:25
Discard: 02/23/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

TB01- SDG#: LEC68-14TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	01/22/2009 09:12	Stephanie A Selis	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1127968
Reported: 01/23/09 at 11:25 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09014WAA625	Sample number(s): 5576189-5576201							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	91	90	74-118	1	30
Batch number: E090212AA	Sample number(s): 5576189-5576202							
Benzene	N.D.	0.9	ug/l	100		83-122		
Toluene	N.D.	0.8	ug/l	97		86-111		
Ethylbenzene	N.D.	0.8	ug/l	96		85-112		
Xylene (total)	N.D.	0.9	ug/l	94		86-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E090212AA	Sample number(s): 5576189-5576202 UNSPK: P575560								
Benzene	110	109	89-127	2	30				
Toluene	105	104	89-119	0	30				
Ethylbenzene	103	102	90-118	1	30				
Xylene (total)	100	99	85-131	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09014WAA625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5576189	79	89	74
5576190	99	125	89
5576191	81	89	71
5576192	81	87	73
5576193	81	86	72
5576194	84	92	74
5576195	77	82	71
5576196	76	83	69
5576197	77	86	73
5576198	81	85	71

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1127968
Reported: 01/23/09 at 11:25 AM

Surrogate Quality Control

5576199	82	87	72
5576200	78	84	73
5576201	81	87	72
Blank	86	96	75
LCS	95	91	80
LCSD	93	91	79
Limits:	34-132	44-134	43-131

Analysis Name: BTEX by 624
Batch number: E090212AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5576189	103	98	97
5576190	106	98	96
5576191	103	99	93
5576192	102	98	104
5576193	102	98	95
5576194	99	100	95
5576195	102	98	95
5576196	103	100	93
5576197	96	99	92
5576198	105	98	93
5576199	99	98	94
5576200	99	98	94
5576201	103	98	95
5576202	104	99	95
Blank	103	98	100
LCS	99	99	96
MS	103	100	96
MSD	99	99	96
Limits:	76-114	80-120	86-115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9222 Group# 1127968 Sample # 5576189-202

COC # 199773

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L. E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.535
Sampler: S. Middlebrook Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

(5) Analyses Requested — Preservation Codes

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(2) (3) (4)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Remarks (6) Temperature of samples upon receipt (if requested)
SW-D-1	1-12-09	1725	X			X		5	3	2	temp 0.9-1.6°C
SW-D-2		1710	x			x		5	3	2	
SW-D-3		1655	x			x		5	3	2	
SW-D-4		1515	x			x		5	3	2	
SW-D-5		1345	x			x		5	3	2	
SW-R-1		1400	x			x		5	3	2	
SW-R-2		1420	x			x		5	3	2	
SW-R-3		1430	x			x		5	3	2	
SW-R-4		1500	x			x		5	3	2	
SW-R-5		16[illegible]	x			x		5	3	2	

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.ouervoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/13/09	13:30	[signature]	1/15/09	13:30
[signature]	1/13/09	16:25			
			[signature]	1/13/09	1625

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1127968 Sample # 5576189-202

COC # 199774

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook Quote #:
Name of state where samples were collected: NJ

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Remarks
Dup-01	1-12-09	—	X			X		5	3	2	temp 0.9-1.6°C
SW-R-6		1610	X			X		5	3	2	
DRC-2		1332	X			X		5	3	2	
TB-01		—	X			X			3		

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/13/09	13:30	[signature]	1/13/09	13:30
[signature]	1/13/09	16:25			
			[signature]	1/13/09	16:25

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT

Date of Receipt: 1/13/09

Time of Receipt: 1625

Source Code: 01

Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429183	1.6°C	TB	WI	Y	B	
2		1.3°C					
3		0.9°C					
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	1/13/09	1717	Unpacking to Storage
[illegible]	1/13/09	1801	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1127987. Samples arrived at the laboratory on Wednesday, January 14, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
GEI-2s Grab Water Sample	5576284
MW-19-4 Grab Water Sample	5576285
MW-19-12 Grab Water Sample	5576286

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

ELECTRONIC COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	
ELECTRONIC COPY TO	RMT, Inc.	Attn: Jen Overvoorde

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Max E. Snavely
Senior Specialist

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576284 **Group No. 1127987**

GEI-2s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 16:22 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:01
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

GEI2S SDG#: LEC69-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	7	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	528	19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.4	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	39.0	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:25	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 15:15	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/16/2009 07:35	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/19/2009 09:06	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 11:49	William L Hamaker Jr	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 11:21	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/21/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:11	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/21/2009 19:34	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576284 **Group No. 1127987**

GEI-2s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 16:22 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:01
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

GEI2S SDG#: LEC69-01

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 11:24	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 10:15	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576285 **Group No. 1127987**

MW-19-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 15:19 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:02
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW194 SDG#: LEC69-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	31	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	840	38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.8	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	37.9	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:28	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 15:15	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/16/2009 07:35	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/19/2009 09:06	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 11:51	William L Hamaker Jr	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 11:22	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/21/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:12	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/21/2009 19:49	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576285 **Group No. 1127987**

MW-19-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 15:19 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:02
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW194 SDG#: LEC69-02

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 12:17	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 10:15	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576286 **Group No. 1127987**

MW-19-12 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 12:16 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:02
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

M1912 SDG#: LEC69-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	4	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	170	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.1	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	18.3	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:39	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 15:30	Lindsay F McClure	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/16/2009 07:35	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/19/2009 09:06	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 11:52	William L Hamaker Jr	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 11:23	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/21/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:13	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/21/2009 20:04	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576286 **Group No. 1127987**

MW-19-12 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 12:16 by SM

Account Number: 09322

Submitted: 01/14/2009 09:00
Reported: 01/26/2009 at 09:02
Discard: 02/26/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

M1912 SDG#: LEC69-03

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 13:10	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 10:15	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1127987
Reported: 01/26/09 at 09:02 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09014105101A	Sample number(s): 5576284-5576286							
Nitrite Nitrogen	N.D.	0.015	mg/l	98		90-110		
Batch number: 09014WAK625	Sample number(s): 5576284-5576286							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93	94	74-118	1	30
Batch number: 09015109101A	Sample number(s): 5576284-5576286							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	98		90-110		
Batch number: 09016020601A	Sample number(s): 5576284-5576286							
Total Suspended Solids	N.D.	3.0	mg/l	89		63-121		
Batch number: 09019021201A	Sample number(s): 5576284-5576286							
Total Dissolved Solids	N.D.	9.7	mg/l	103		80-120		
Batch number: 090191848004	Sample number(s): 5576284-5576286							
Lead	N.D.	0.0069	mg/l	109		90-113		
Batch number: 09021022101A	Sample number(s): 5576284-5576286							
Ammonia Nitrogen	N.D.	0.20	mg/l	97		91-100		
Batch number: 09021196102A	Sample number(s): 5576284-5576286							
Sulfate	N.D.	0.30	mg/l	99		89-110		
Batch number: 09022106101B	Sample number(s): 5576284-5576286							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09014105101A	Sample number(s): 5576284-5576286 UNSPK: P576432 BKG: P576432								
Nitrite Nitrogen	102		90-110			0.049 J	0.049 J	1 (1)	20
Batch number: 09015109101A	Sample number(s): 5576284-5576286 UNSPK: P576113 BKG: P576113								
Total Phosphorus as P (water)	105		90-110			0.73	0.76	4*	3
Batch number: 09016020601A	Sample number(s): 5576284-5576286 BKG: P576439								
Total Suspended Solids						469	283	49* (1)	13

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1127987
Reported: 01/26/09 at 09:02 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09019021201A	Sample number(s): 5576284-5576286 UNSPK: P577538 BKG: P576128								
Total Dissolved Solids	83	104	54-143	8	12	1,870	1,930	3 (1)	9
Batch number: 090191848004	Sample number(s): 5576284-5576286 UNSPK: P576958 BKG: P576958								
Lead	109	108	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09021022101A	Sample number(s): 5576284-5576286 UNSPK: P576239 BKG: P576239								
Ammonia Nitrogen	103	101	64-128	1	8	3.0	3.1	4* (1)	2
Batch number: 09021196102A	Sample number(s): 5576284-5576286 UNSPK: P576239 BKG: P576239								
Sulfate	98		90-110			4.1 J	3.8 J	8 (1)	20
Batch number: 09022106101B	Sample number(s): 5576284-5576286 UNSPK: P576239 BKG: P576239								
Nitrate Nitrogen	113*		90-110			N.D.	N.D.	0 (1)	3

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09014WAK625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5576284	91	96	95
5576285	86	92	92
5576286	92	96	92
Blank	94	95	89
LCS	98	99	89
LCSD	97	99	89
Limits:	34-132	44-134	43-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1127987 Sample # 5576284-86

COC # 195168

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook/S. Pawlukiewicz Quote #:
Name of state where samples were collected: N.J.

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	DEHP (O)	TDS/TSS/sulfate (1)	Nitrite Nitrogen (1)	Nitrate Nitrogen (S)	Diss Lead (N)	HPC (O)	Total P as P/Mg (S)			Remarks	Temperature of samples upon receipt (if requested)
GEI-2s	1-13-09	1622	X			X		10	2	2	1	1	1	1	2			Diss. Lead is field filtered.	
MW-19-4	↓	1519	X			X		10	2	2	1	1	1	1	2				
MW-19-12	↓	1216	X			X		10	2	2	1	1	1	1	2				

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-13-09	1721	Fed Ex	1-13-09	
			[signature]	1/14/09	0900

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT

Date of Receipt: 1/14/09

Time of Receipt: 0900

Source Code: 50-1

Unpacker Emp. No.: 1454

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429865	2.0.C	TB	WI	Y	B	
2	↓	1.2.C	↓	↓	↓	↓	
3	↓	1.5.C	↓	↓	↓	↓	
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	1/14/09	0935	Unpacking / to Storage
Kristin Leigh	1-14-09	0952	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1128134. Samples arrived at the laboratory on Wednesday, January 14, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-19-7 Grab Water Sample	5576956
ATM-01 Grab Water Sample	5576957
MW-19-6 Unspiked Grab Water Sample	5576958
MW-19-6 Matrix Spike Grab Water Sample	5576959
MW-19-6 Matrix Spike Dup Grab Water Sample	5576960
MW-19-6 Duplicate Grab Water Sample	5576961
MW-19-5 Grab Water Sample	5576962

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	Data Package Group	
ELECTRONIC	RMT, Inc.	Attn: Jen Overvoorde
COPY TO		

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Chad A. Moline
Group Leader

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576956 **Group No. 1128134**

MW-19-7 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:39 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW197 SDG#: LEC69-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	34	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	4.0 J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	2,280	77.6	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.9	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	31.9	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:43	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 21:28	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/19/2009 09:10	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/20/2009 08:51	Hannah M Royer	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 21:54	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:07	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:35	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/22/2009 22:59	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576956 **Group No. 1128134**

MW-19-7 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:39 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW197 SDG#: LEC69-04

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 01:43	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576957 **Group No. 1128134**

ATM-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:45 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

ATM01 SDG#: LEC69-05AB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	N.D.	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:46	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 21:28	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/19/2009 09:10	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/20/2009 08:51	Hannah M Royer	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 21:55	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:08	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:39	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 00:28	Ashley M Heckman	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 02:35	William T Parker	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576957 **Group No. 1128134**

ATM-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:45 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

ATM01 SDG#: LEC69-05AB

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576958 **Group No. 1128134**

MW-19-6 Unspiked Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	8	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	600	19.4	mg/l	1
	TDS was initially performed on 1/20/09 with a result of 72.0 mg/L. Because the dried residue weight was inconsistent with the sample aliquot filtered, TDS was reanalyzed on 1/22/09. The reanalysis yielded a result consistent with both the pre-screen aliquot assessment and the surrounding QC recovery data.					
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.5	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	32.2	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:03	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 21:28	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/19/2009 09:10	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	2	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 21:56	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:09	Susan A Engle	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576958 **Group No. 1128134**

MW-19-6 Unspiked Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06BKG

00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:40	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/22/2009 23:13	Ashley M Heckman	5
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/19/2009 22:11	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576959 **Group No. 1128134**

MW-19-6 Matrix Spike Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.130	0.0069	mg/l	1
00212	Total Dissolved Solids	n.a.	997	19.4	mg/l	1
	TDS was initially performed on 1/20/09 with a result of 98.0 mg/L and matrix spike recovery of 7%. Because the dried residue weight was inconsistent with the sample aliquot filtered, TDS was reanalyzed on 1/22/09. The reanalysis yielded a result consistent with both the pre-screen aliquot assessment and the surrounding QC recovery data.					
00219	Nitrite Nitrogen	14797-65-0	0.20	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.1	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	13.7	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	2.0	0.080	mg/l	1
00228	Sulfate	14808-79-8	82.8	3.0	mg/l	10
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	47	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:14	Joanne M Gates	1
00212	Total Dissolved Solids	SM20 2540 C	2	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 21:58	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:41	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 00:13	Ashley M Heckman	10
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/19/2009 23:04	William T Parker	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576959 **Group No. 1128134**

MW-19-6 Matrix Spike Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06MS

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576960 **Group No. 1128134**

MW-19-6 Matrix Spike Dup Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.129	0.0069	mg/l	1
00212	Total Dissolved Solids	n.a.	994	19.4	mg/l	1
	TDS was initially performed on 1/20/09 with a result of 82.0 mg/L and matrix spike recovery of 3%. Because the dried residue weight was inconsistent with the sample aliquot filtered, TDS was reanalyzed on 1/22/09. The reanalysis yielded a result consistent with both the pre-screen aliquot assessment and the surrounding QC recovery data.					
00221	Ammonia Nitrogen	7664-41-7	13.6	0.20	mg/l	1
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	47	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:17	Joanne M Gates	1
00212	Total Dissolved Solids	SM20 2540 C	2	01/22/2009 08:45	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/19/2009 23:57	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576961 **Group No. 1128134**

MW-19-6 Duplicate Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06DUP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	3	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	594	19.4	mg/l	1
	TDS was initially performed on 1/20/09 with a result of 111 mg/L. Because the dried residue weight was inconsistent with the sample aliquot filtered, TDS was reanalyzed on 1/22/09. The reanalysis yielded a result consistent with both the pre-screen aliquot assessment and the surrounding QC recovery data.					
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.5	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	32.7	1.5	mg/l	5

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:07	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 21:28	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/19/2009 09:10	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	2	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 21:59	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:12	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:42	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/22/2009 23:28	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576961 **Group No. 1128134**

MW-19-6 Duplicate Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW196 SDG#: LEC69-06DUP

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5576962 **Group No. 1128134**

MW-19-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 12:11 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW195 SDG#: LEC69-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	33	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	143	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.047 J	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	11.0	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 10:50	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/16/2009 21:28	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/19/2009 09:10	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/20/2009 08:51	Hannah M Royer	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/14/2009 22:00	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:13	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/16/2009 20:44	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 00:43	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5576962 **Group No. 1128134**

MW-19-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 12:11 by SM

Account Number: 09322

Submitted: 01/14/2009 15:45
Reported: 01/27/2009 at 18:43
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW195 SDG#: LEC69-07

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 03:28	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/15/2009 17:40	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/15/2009 22:00	Carolyn M Mastropietro	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128134
Reported: 01/27/09 at 06:43 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09014105102B	Sample number(s): 5576956-5576959,5576961-5576962							
Nitrite Nitrogen	N.D.	0.015	mg/l	98		90-110		
Batch number: 09015109102A	Sample number(s): 5576956-5576959,5576961-5576962							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	95		90-110		
Batch number: 09015WAB625	Sample number(s): 5576956-5576960,5576962							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	90		74-118		
Batch number: 09019020601A	Sample number(s): 5576956-5576958,5576961-5576962							
Total Suspended Solids	N.D.	3.0	mg/l	96		63-121		
Batch number: 090191848004	Sample number(s): 5576956-5576962							
Lead	N.D.	0.0069	mg/l	109		90-113		
Batch number: 09020021201A	Sample number(s): 5576956-5576957,5576962							
Total Dissolved Solids	N.D.	9.7	mg/l	94		80-120		
Batch number: 09022021201A	Sample number(s): 5576958-5576961							
Total Dissolved Solids	N.D.	9.7	mg/l	93		80-120		
Batch number: 09022022101A	Sample number(s): 5576956-5576962							
Ammonia Nitrogen	N.D.	0.20	mg/l	97		91-100		
Batch number: 09022106102B	Sample number(s): 5576956-5576959,5576961-5576962							
Nitrate Nitrogen	N.D.	0.040	mg/l	100		90-110		
Batch number: 09022196102A	Sample number(s): 5576956							
Sulfate	N.D.	0.30	mg/l	102		89-110		
Batch number: 09022196102B	Sample number(s): 5576957-5576959,5576961-5576962							
Sulfate	N.D.	0.30	mg/l	102		89-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09014105102B	Sample number(s): 5576956-5576959,5576961-5576962 UNSPK: 5576958 BKG: 5576958								
Nitrite Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128134
Reported: 01/27/09 at 06:43 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09015109102A	Sample number(s): 5576956-5576959,5576961-5576962 UNSPK: 5576958 BKG: 5576958								
Total Phosphorus as P (water)	100		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09015WAB625	Sample number(s): 5576956-5576960,5576962 UNSPK: 5576958								
bis(2-Ethylhexyl)phthalate	94	95	73-126	1	30				
Batch number: 09019020601A	Sample number(s): 5576956-5576958,5576961-5576962 BKG: 5576958								
Total Suspended Solids						N.D.	N.D.	0 (1)	13
Batch number: 090191848004	Sample number(s): 5576956-5576962 UNSPK: 5576958 BKG: 5576958								
Lead	109	108	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09020021201A	Sample number(s): 5576956-5576957,5576962 UNSPK: P576958 BKG: P576958								
Total Dissolved Solids	7*	3*	54-143	18*	12	72.0	111	43* (1)	9
Batch number: 09022021201A	Sample number(s): 5576958-5576961 UNSPK: 5576958 BKG: 5576958								
Total Dissolved Solids	99	99	54-143	0	12	600	594	1	9
Batch number: 09022022101A	Sample number(s): 5576956-5576962 UNSPK: 5576958 BKG: 5576958								
Ammonia Nitrogen	98	97	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 09022106102B	Sample number(s): 5576956-5576959,5576961-5576962 UNSPK: 5576958 BKG: 5576958								
Nitrate Nitrogen	82*		90-110			1.5	1.5	1	3
Batch number: 09022196102A	Sample number(s): 5576956 UNSPK: P580897 BKG: P580897								
Sulfate	95		90-110			3.5 J	3.2 J	11 (1)	20
Batch number: 09022196102B	Sample number(s): 5576957-5576959,5576961-5576962 UNSPK: 5576958 BKG: 5576958								
Sulfate	101		90-110			32.2	32.7	2	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09015WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5576956	92	97	74
5576957	91	94	86
5576958	92	97	85
5576959	97	100	88
5576960	100	97	87
5576962	92	96	85
Blank	93	88	84
LCS	96	99	87
MS	97	100	88
MSD	100	97	87

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128134
Reported: 01/27/09 at 06:43 PM

Surrogate Quality Control

Limits:	34-132	44-134	43-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9822 Group# 1128184 Sample # 5576956-62

COC # 199775

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: RMT, Inc Acct. #:

Project Name/#: L. E. Carpenter PWSID #:

Project Manager: N. Cleveth P.O.#: 652735

Sampler: S. Middlebrook/S. Pawlukiewicz Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	DEHP	TDS/TSS/Sulfate	Nitrite Nitrogen	Nitrate Nitrogen	Diss lead	HPC	Total Pos P/NH3			Remarks
MW-19-7	1-14-09	0939	X			X		10	2	2	1	1	1	1	2			Diss lead is field
ATM-01		0945	X			X		10	2	2	1	1	1	1	2			filtered except
MW-19-6 MS/MSD		0756	X			X		10	2	2	1	1	1	1	2			ATM-01, run for
MW-19-6		0756	X			X		10	2	2	1	1	1	1	2			total lead.
MW-19-5		1211	X			X		10	2	2	1	1	1	1	2			
																		temp 0.7-2.1°C

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overwoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/14/09	13:00	[signature]	1/14/09	13:00
[signature]	1/14/09	15:45			
			[signature]	1/14/09	1545

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT

Date of Receipt: 1/14/09

Time of Receipt: 1545

Source Code: 01

Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	04209183	1.7°C	TB	WI	Y	B	
2		0.7°C					
3		2.1°C					
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	1/14/09	1615	Unpacking to Storage
Todd J Bedard	1/14/09	1912	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1128179. Samples arrived at the laboratory on Thursday, January 15, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-31s Grab Water Sample	5577211
MW-19 Grab Water Sample	5577212
MW-27 Grab Water Sample	5577213
MW-8 Grab Water Sample	5577214

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

ELECTRONIC COPY TO	RMT, Inc.	Attn: Jen Overvoorde
1 COPY TO	Data Package Group	

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Chad A. Moline
Group Leader

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5577211 **Group No. 1128179**

MW-31s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 14:10 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE31S SDG#: LEC69-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	620	1	cfu/ml	n.a.
00206	Total Suspended Solids	n.a.	35.2	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	629	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.046 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	22.6	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.40	0.080	mg/l	1
00228	Sulfate	14808-79-8	47.9	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3,100	49	ug/l	50

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:04	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/17/2009 12:55	Martha G Helwig	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/20/2009 09:48	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 01:06	James S Mathiot	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:44	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:00	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 00:57	Ashley M Heckman	5
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 12:49	Brian K Graham	50
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5577211 **Group No. 1128179**

MW-31s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 14:10 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE31S SDG#: LEC69-08

08108	625 Water Extraction	EPA 625	1	01/16/2009 09:50	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5577212 **Group No. 1128179**

MW-19 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 13:38 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC19 SDG#: LEC69-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	13		1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
00206	Total Suspended Solids	n.a.	25.2		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	356		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.015	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	mg/l	1
00228	Sulfate	14808-79-8	3.6	J	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2	J	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:08	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/17/2009 12:55	Martha G Helwig	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/20/2009 09:48	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 01:07	James S Mathiot	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:46	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:01	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 01:12	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5577212 **Group No. 1128179**

MW-19 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 13:38 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC19 SDG#: LEC69-09

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 08:46	Brian K Graham	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/16/2009 09:50	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5577213 **Group No. 1128179**

MW-27 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 10:55 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC27 SDG#: LEC69-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.0283	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	190	1	cfu/ml	n.a.
00206	Total Suspended Solids	n.a.	1,200	30.0	mg/l	1
00212	Total Dissolved Solids	n.a.	517	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.55	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.27	0.080	mg/l	1
00228	Sulfate	14808-79-8	62.5	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:11	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/17/2009 10:16	Martha G Helwig	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/20/2009 09:48	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 01:08	James S Mathiot	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/22/2009 12:47	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:31	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 01:27	Ashley M Heckman	5
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 09:35	Brian K Graham	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5577213 **Group No. 1128179**

MW-27 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 10:55 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC27 SDG#: LEC69-10

08108	625 Water Extraction	EPA 625	1	01/16/2009 09:50	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5577214 **Group No. 1128179**

MW-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 15:45 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC8- SDG#: LEC69-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	51	1	cfu/ml	n.a.
00206	Total Suspended Solids	n.a.	56.8	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	270	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.019 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.64	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.16	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	8	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:22	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/17/2009 12:55	Martha G Helwig	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/20/2009 09:48	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 01:09	James S Mathiot	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 11:22	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/22/2009 14:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:03	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 01:42	Ashley M Heckman	5
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/20/2009 10:24	Brian K Graham	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5577214 **Group No. 1128179**

MW-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 15:45 by SM

Account Number: 09322

Submitted: 01/15/2009 09:20
Reported: 01/27/2009 at 19:17
Discard: 02/27/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEC8- SDG#: LEC69-11

08108	625 Water Extraction	EPA 625	1	01/16/2009 09:50	Cynthia J Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128179
Reported: 01/27/09 at 07:17 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09015WAD625	Sample number(s): 5577211-5577214							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	94	91	74-118	3	30
Batch number: 09016105101A	Sample number(s): 5577211-5577214							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		90-110		
Batch number: 09019109101A	Sample number(s): 5577211-5577214							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	97		90-110		
Batch number: 090191848004	Sample number(s): 5577211-5577214							
Lead	N.D.	0.0069	mg/l	109		90-113		
Batch number: 09020020601A	Sample number(s): 5577211-5577214							
Total Suspended Solids	N.D.	3.0	mg/l	96		63-121		
Batch number: 09021021201A	Sample number(s): 5577211-5577214							
Total Dissolved Solids	N.D.	9.7	mg/l	91		80-120		
Batch number: 09022022101A	Sample number(s): 5577211-5577214							
Ammonia Nitrogen	N.D.	0.20	mg/l	97		91-100		
Batch number: 09022106103B	Sample number(s): 5577211-5577213							
Nitrate Nitrogen	N.D.	0.040	mg/l	102		90-110		
Batch number: 09022196102B	Sample number(s): 5577211-5577214							
Sulfate	N.D.	0.30	mg/l	102		89-110		
Batch number: 09025106101A	Sample number(s): 5577214							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09016105101A	Sample number(s): 5577211-5577214 UNSPK: P577416 BKG: P577416								
Nitrite Nitrogen	98		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09019109101A	Sample number(s): 5577211-5577214 UNSPK: P577920 BKG: P577920								
Total Phosphorus as P (water)	102		90-110			0.56	0.54	4*	3

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128179
Reported: 01/27/09 at 07:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 090191848004	Sample number(s): 5577211-5577214 UNSPK: P576958 BKG: P576958								
Lead	109	108	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09020020601A	Sample number(s): 5577211-5577214 BKG: P576439								
Total Suspended Solids						388	340	13 (1)	13
Batch number: 09021021201A	Sample number(s): 5577211-5577214 UNSPK: P578217 BKG: P578217								
Total Dissolved Solids	98	-79*	54-143	105*	12	637	638	0	9
Batch number: 09022022101A	Sample number(s): 5577211-5577214 UNSPK: P576958 BKG: P576958								
Ammonia Nitrogen	98	97	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 09022106103B	Sample number(s): 5577211-5577213 UNSPK: P578005 BKG: P578005								
Nitrate Nitrogen	879*		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09022196102B	Sample number(s): 5577211-5577214 UNSPK: P576958 BKG: P576958								
Sulfate	101		90-110			32.2	32.7	2	20
Batch number: 09025106101A	Sample number(s): 5577214 UNSPK: P577417 BKG: P577417								
Nitrate Nitrogen	104		90-110			N.D.	N.D.	0 (1)	3

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09015WAD625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5577211	65	93	80
5577212	74	88	75
5577213	78	89	73
5577214	77	87	73
Blank	86	85	69
LCS	91	91	78
LCSD	91	93	75
Limits:	34-132	44-134	43-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1128179 Sample # 5577211-14

COC # 195169

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook / S. Pawlukiewicz Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES)	Matrix: Other	Total # of Containers	OEHP (O)	TDS/TSS/Sulfate (1)	Nitrite Nitrogen (1)	Nitrate Nitrogen (S)	Diss Lead (N)	HPC (O)	Total Pos/NH3 (S)			Remarks
MW-3ls	1-14-09	14[illegible]	X			X		10	2	2	1	1	1	1	2			Diss lead is
MW-19		1338	X			X		10	2	2	1	1	1	1	2			field filtered
MW-27		1055	X			X		8	2	1	1	1	1	1	2			
MW-8		1545	X			X		10	2	2	1	1	1	1	2			

(7)
Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8)
Data Package Options (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-14-09	1800	Fed Ex		
			[signature]	1-15-09	0920

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT, Inc

Date of Receipt: 1-15-09

Time of Receipt: 0920

Source Code: 50-1

Unpacker Emp. No.: 2132

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	0.8°	TB	WI	Y	B	
2	↓	0.3°	↓	↓	↓	↓	
3	↓	0.4°	↓	↓	↓	↓	
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

MW-27 → Labelled MW-27s; only rec'd 7 containers

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Sheila R Moyer	1-15-09	0955	Unpacking
Dan Neslund	1/15/09	1000	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1128331. Samples arrived at the laboratory on Thursday, January 15, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-27s Grab Water Sample	5578025
MW-27s Grab Water Sample	5578026
MW-29 Grab Water Sample	5578027
MW-28I Grab Water Sample	5578028
MW-35s Grab Water Sample	5578029
MW-28s Grab Water Sample	5578030
Dup-02 Grab Water Sample	5578031

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Data Package Group
ELECTRONIC RMT, Inc. Attn: Jen Overvoorde
COPY TO

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Chad A. Moline
Group Leader

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578025 **Group No. 1128331**

MW-27s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 10:55 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW27S SDG#: LEC69-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00221	Ammonia Nitrogen	7664-41-7	0.26	J	0.20	mg/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578026 **Group No. 1128331**

MW-27s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 07:25 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

27S-- SDG#: LEC69-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00206	Total Suspended Solids	n.a.	15.6	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	513	19.4	mg/l	1
00228	Sulfate	14808-79-8	54.9	1.5	mg/l	5

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:26	Joanne M Gates	1
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00228	Sulfate	EPA 300.0	1	01/23/2009 01:57	Ashley M Heckman	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578027 **Group No. 1128331**

MW-29 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 08:14 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW29- SDG#: LEC69-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	1,600	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	58.8	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	425	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.027 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	7.2	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.32	0.080	mg/l	1
00228	Sulfate	14808-79-8	3.0 J	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:29	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 08:06	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:45	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 11:59	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:14	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 02:12	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578027 **Group No. 1128331**

MW-29 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 08:14 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW29- SDG#: LEC69-14

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/21/2009 07:55	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/17/2009 12:00	Olivia Arosemena	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578028 **Group No. 1128331**

MW-28I Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:07 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW28I SDG#: LEC69-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	3	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	31.6	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	399	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.023 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.42 J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.27	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	61	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:33	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 08:06	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:46	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:12	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:15	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/23/2009 02:26	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578028 **Group No. 1128331**

MW-28I Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:07 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW28I SDG#: LEC69-15

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/21/2009 08:46	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/17/2009 12:00	Olivia Arosemena	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578029 **Group No. 1128331**

MW-35s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:50 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW35S SDG#: LEC69-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	1,800	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	37.6	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	499	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.033 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.77	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.087 J	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3,500	190	ug/l	200

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:36	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 08:06	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:47	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:19	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:18	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 19:12	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578029 **Group No. 1128331**

MW-35s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:50 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW35S SDG#: LEC69-16

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/22/2009 00:15	William T Parker	200
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/17/2009 12:00	Olivia Arosemena	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578030 **Group No. 1128331**

MW-28s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 11:53 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW28S SDG#: LEC69-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	9	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	38.4	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	356	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.27 J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.32	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	140	9	ug/l	10

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:40	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 08:06	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:48	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:20	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:19	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 19:27	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578030 **Group No. 1128331**

MW-28s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 11:53 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW28S SDG#: LEC69-17

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/22/2009 02:44	William T Parker	10
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/17/2009 12:00	Olivia Arosemena	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578031 **Group No. 1128331**

Dup-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

FD002 SDG#: LEC69-18FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	4	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	35.2	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	415	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.018 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.54 J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.26	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	41	1	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 11:44	Joanne M Gates	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 08:06	Keith A Hoover	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/22/2009 08:45	Susan E Hibner	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:50	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:21	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/23/2009 15:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:21	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 19:42	Ashley M Heckman	5

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578031 **Group No. 1128331**

Dup-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 by SM

Account Number: 09322

Submitted: 01/15/2009 18:00
Reported: 01/29/2009 at 14:45
Discard: 03/01/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

FD002 SDG#: LEC69-18FD*

00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/22/2009 01:54	William T Parker	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 09:48	Denise K Conners	1
08108	625 Water Extraction	EPA 625	1	01/17/2009 12:00	Olivia Arosemena	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128331
Reported: 01/29/09 at 02:45 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09016105102A	Sample number(s): 5578027-5578031							
Nitrite Nitrogen	N.D.	0.015	mg/l	99		90-110		
Batch number: 09016WAD625	Sample number(s): 5578027-5578031							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	92	91	74-118	2	30
Batch number: 09019109101A	Sample number(s): 5578027							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	97		90-110		
Batch number: 09019109101B	Sample number(s): 5578028-5578031							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	97		90-110		
Batch number: 090191848004	Sample number(s): 5578026-5578031							
Lead	N.D.	0.0069	mg/l	109		90-113		
Batch number: 09021020601A	Sample number(s): 5578028-5578031							
Total Suspended Solids	N.D.	3.0	mg/l	91		63-121		
Batch number: 09021020601B	Sample number(s): 5578026-5578027							
Total Suspended Solids	N.D.	3.0	mg/l	91		63-121		
Batch number: 09021021201A	Sample number(s): 5578026-5578028							
Total Dissolved Solids	N.D.	9.7	mg/l	91		80-120		
Batch number: 09022021201A	Sample number(s): 5578029-5578031							
Total Dissolved Solids	N.D.	9.7	mg/l	93		80-120		
Batch number: 09022196102B	Sample number(s): 5578026-5578028							
Sulfate	N.D.	0.30	mg/l	102		89-110		
Batch number: 09023022101A	Sample number(s): 5578025,5578027-5578031							
Ammonia Nitrogen	N.D.	0.20	mg/l	95		91-100		
Batch number: 09023196101A	Sample number(s): 5578029-5578031							
Sulfate	N.D.	0.30	mg/l	104		89-110		
Batch number: 09025106101B	Sample number(s): 5578027							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		
Batch number: 09025106102A	Sample number(s): 5578028-5578031							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		

Sample Matrix Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128331
Reported: 01/29/09 at 02:45 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09016105102A	Sample number(s): 5578027-5578031 UNSPK: P578218 BKG: P578218								
Nitrite Nitrogen	65*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09019109101A	Sample number(s): 5578027 UNSPK: P577920 BKG: P577920								
Total Phosphorus as P (water)	102		90-110			0.56	0.54	4*	3
Batch number: 09019109101B	Sample number(s): 5578028-5578031 UNSPK: 5578028 BKG: 5578028								
Total Phosphorus as P (water)	102		90-110			0.27	0.27	0 (1)	3
Batch number: 090191848004	Sample number(s): 5578026-5578031 UNSPK: P576958 BKG: P576958								
Lead	109	108	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09021020601A	Sample number(s): 5578028-5578031 BKG: P578694								
Total Suspended Solids						3,060	2,990	2	13
Batch number: 09021020601B	Sample number(s): 5578026-5578027 BKG: P578696								
Total Suspended Solids						275	267	3	13
Batch number: 09021021201A	Sample number(s): 5578026-5578028 UNSPK: P578217 BKG: P578217								
Total Dissolved Solids	98	-79*	54-143	105*	12	637	638	0	9
Batch number: 09022021201A	Sample number(s): 5578029-5578031 UNSPK: P576958 BKG: P576958								
Total Dissolved Solids	99	99	54-143	0	12	600	594	1	9
Batch number: 09022196102B	Sample number(s): 5578026-5578028 UNSPK: P576958 BKG: P576958								
Sulfate	101		90-110			32.2	32.7	2	20
Batch number: 09023022101A	Sample number(s): 5578025,5578027-5578031 UNSPK: P576978 BKG: P576978								
Ammonia Nitrogen	99	99	64-128	0	8	N.D.	N.D.	0 (1)	2
Batch number: 09023196101A	Sample number(s): 5578029-5578031 UNSPK: P578005 BKG: P578005								
Sulfate	97		90-110			50.2	49.2	2 (1)	20
Batch number: 09025106101B	Sample number(s): 5578027 UNSPK: P578906 BKG: P578906								
Nitrate Nitrogen	90		90-110			1.1	1.1	2	3
Batch number: 09025106102A	Sample number(s): 5578028-5578031 UNSPK: 5578028 BKG: 5578028								
Nitrate Nitrogen	102		90-110			N.D.	N.D.	0 (1)	3

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09016WAD625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5578027	90	93	74
5578028	91	96	70
5578029	63	66	42*

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128331
Reported: 01/29/09 at 02:45 PM

Surrogate Quality Control

5578030	93	89	49
5578031	81	81	57
Blank	94	100	88
LCS	96	102	87
LCSD	94	99	85
Limits:	34-132	44-134	43-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9822 Group# 1128331 Sample # 5578025-31

COC # 199776

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: RMT, Inc Acct. #:

Project Name/#: L.E. Carpenter PWSID #:

Project Manager: N. Clevett P.O.#: 6527.35

Sampler: S. Middlebrook/S. Pawlukiewicz Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	(5) Analyses Requested / Preservation Codes: BTEX H	DEHP O	Volatile Headspace Hydrocarbons H	Total Pos P/NH_3 S	TDS/TSS/Sulfate –	Nitrate Nitrogen S	Nitrite Nitrogen –	Diss Lead N	HPC O	Remarks	(6) Temperature of samples upon receipt (if requested)
MW-27s	1/14/09	1055	X			X		1						1				Diss. Lead is	
MW-27s	1/15/09	0725	X			X		2					1			1		Field Filtered.	
MW-29	1/15/09	0814	X			X		15	3	2	2	2	2	1	1	1	1		
MW-28I	1/15/09	1007	X			X			3	2	2	2	2	1	1	1	1	temp 0.7-3.2°C	
MW-35s	1/15/09	1050	X			X			3	2	2	2	2	1	1	1	1		
MW-28s	1/15/09	1153	X			X			3	2	2	2	2	1	1	1	1		
Dup-02	1/15/09	—	X			X			3	2	2	2	2	1	1	1	1		

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.ouervoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Scott Pawlukiewicz	1/15/09	1436	[illegible]	1/15/09	14:36
[illegible]	1/15/09	8:06			

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT

Date of Receipt: 1/15/09

Time of Receipt: 1800

Source Code: C1

Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	4429983	2.1°C	TB	WI	Y	B	
2		3.2°C					
3		0.7°C					
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:
Did not recieve nitrate for sample MW-27s 1/14/09 1055 but instead of NH_3 II bottle. MW-29 labeled MW-29s. Only recieved 10 bottles for every sample except MW-27s missing 5 vials for each of them. (HCl vials missing)

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	1/15/09	1830	Unpacking to Storage
[illegible]	1/15/09	1918	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1128376. Samples arrived at the laboratory on Friday, January 16, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
RB-02 Grab Water Sample	5578214
MW-27s Grab Water Sample	5578215
MW-33s Grab Water Sample	5578216
MW-32s Grab Water Sample	5578217
MW-34s Grab Water Sample	5578218
MW-25(R) Grab Water Sample	5578219
MW-35s Grab Water Sample	5578220
MW-29 Grab Water Sample	5578221
MW-28s Grab Water Sample	5578222
Dup-02 Grab Water Sample	5578223
RB-03 Grab Water Sample	5578224
TB-02 Water Sample	5578225
MW-28I Grab Water Sample	5578226
MW-19-5 Grab Water Sample	5578227

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Data Package Group
ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Diane L. Lockard
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578214 **Group No. 1128376**

RB-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 15:15 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LERB2 SDG#: LEC70-01RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	N.D.	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578214 **Group No. 1128376**

RB-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 15:15 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LERB2 SDG#: LEC70-01RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 02:37	Tara L Snyder	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 15:10	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:51	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:22	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:22	Venia B McFadden	1
00228	Sulfate	EPA 300.0	2	02/01/2009 01:41	Ashley M Heckman	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 14:58	Dustin A Underkoffler	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/23/2009 08:37	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 19:02	Jason M Long	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578215 **Group No. 1128376**

MW-27s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 10:55 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE27S SDG#: LEC70-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 15:12	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/22/2009 19:25	Jason M Long	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578216 **Group No. 1128376**

MW-33s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 08:23 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE33S SDG#: LEC70-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	160	1	cfu/ml	n.a.
	Sample was greater than 24 hours old when analyzed.					
00206	Total Suspended Solids	n.a.	122	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	395	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.072	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	68.1	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	9,600	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for ethane represents the lowest reporting limit attainable.					
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3,400	200	ug/l	200
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578216 **Group No. 1128376**

MW-33s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 08:23 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE33S SDG#: LEC70-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 02:40	Tara L Snyder	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 15:10	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:52	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:24	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:25	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 02:48	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 15:25	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 11:07	Dustin A Underkoffler	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/26/2009 06:27	Brian K Graham	200
04601	BTEX by 624	EPA 624	1	01/22/2009 19:48	Jason M Long	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578217 **Group No. 1128376**

MW-32s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 09:15 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE32S SDG#: LEC70-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	430	1	cfu/ml	n.a.
	Sample was greater than 24 hours old when analyzed.					
00206	Total Suspended Solids	n.a.	385	5.0	mg/l	1
00212	Total Dissolved Solids	n.a.	637	19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.69	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	8.9	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	9,500	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for ethane represents the lowest reporting limit attainable.					
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	12,000	490	ug/l	500
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	45	ug/l	50
00850	Toluene	108-88-3	N.D.	40	ug/l	50
00852	Ethylbenzene	100-41-4	8,900	40	ug/l	50
03589	Xylene (total)	1330-20-7	40,000	450	ug/l	500

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578217 **Group No. 1128376**

MW-32s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 09:15 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE32S SDG#: LEC70-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 02:44	Tara L Snyder	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 15:10	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:56	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:25	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:26	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 03:04	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 15:39	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 11:18	Dustin A Underkoffler	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/26/2009 07:17	Brian K Graham	500
04601	BTEX by 624	EPA 624	1	01/22/2009 20:12	Jason M Long	50
04601	BTEX by 624	EPA 624	1	01/22/2009 20:35	Jason M Long	500
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578218 **Group No. 1128376**

MW-34s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:07 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE34S SDG#: LEC70-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	1.0	mg/l	5
	The reporting limit for ammonia nitrogen was increased due to insufficient sample volume.					
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	7,200	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for ethane represents the lowest reporting limit attainable.					
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	7	1	ug/l	1
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	9	ug/l	10
00850	Toluene	108-88-3	16 J	8	ug/l	10
00852	Ethylbenzene	100-41-4	2,700	8	ug/l	10
03589	Xylene (total)	1330-20-7	13,000	90	ug/l	100

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578218 **Group No. 1128376**

MW-34s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:07 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE34S SDG#: LEC70-05

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 02:47	Tara L Snyder	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 16:57	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:26	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	5
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:28	Venia B McFadden	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 15:52	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 11:29	Dustin A Underkoffler	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/23/2009 11:06	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 20:59	Jason M Long	10
04601	BTEX by 624	EPA 624	1	01/22/2009 21:22	Jason M Long	100
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578219 **Group No. 1128376**

MW-25(R) Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 14:27 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE25R SDG#: LEC70-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	1,500	1	cfu/ml	n.a.
	Sample was greater than 24 hours old when analyzed.					
00206	Total Suspended Solids	n.a.	36.8	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	344	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	36.5	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	57	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578219 **Group No. 1128376**

MW-25(R) Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 14:27 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE25R SDG#: LEC70-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 02:51	Tara L Snyder	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 15:10	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 17:01	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:27	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:29	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	01/24/2009 03:19	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 16:06	Dustin A Underkoffler	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/23/2009 11:56	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/22/2009 21:45	Jason M Long	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578220 **Group No. 1128376**

MW-35s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:50 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE35S SDG#: LEC70-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	20,000	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	18	ug/l	20
00850	Toluene	108-88-3	36 J	16	ug/l	20
00852	Ethylbenzene	100-41-4	12,000	160	ug/l	200
03589	Xylene (total)	1330-20-7	88,000	180	ug/l	200

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 16:20	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 11:40	Dustin A Underkoffler	200
04601	BTEX by 624	EPA 624	1	01/22/2009 22:32	Jason M Long	200
04601	BTEX by 624	EPA 624	1	01/23/2009 10:42	Jason M Long	20

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578221 **Group No. 1128376**

MW-29 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 08:14 by SM Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:02
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEM29 SDG#: LEC70-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	6,100	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for ethane represents the lowest reporting limit attainable.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/21/2009 16:33	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 11:51	Dustin A Underkoffler	200
04601	BTEX by 624	EPA 624	1	01/22/2009 22:55	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578222 **Group No. 1128376**

MW-28s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 11:53 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE28S SDG#: LEC70-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	5,000	1,000	ug/l	200
07107	Ethane	74-84-0	N.D.	200	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	17	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	64	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:02	Dustin A Underkoffler	200
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:13	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/22/2009 23:18	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578223 **Group No. 1128376**

Dup-02 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEDU2 SDG#: LEC70-10FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	1,700	50	ug/l	10
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:00	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 07:45	Dustin A Underkoffler	10
04601	BTEX by 624	EPA 624	1	01/22/2009 23:42	Jason M Long	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578224 **Group No. 1128376**

RB-03 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 18:00 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LERB3 SDG#: LEC70-11RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	26	1	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	5.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
00553	bis-(2-ethylhexyl)phthalate					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	ug/l	1
	The recovery of bis(2-ethylhexyl)phthalate was outside of QC limits in the LCSD. This sample was re-extracted outside of the method required holding time, and acceptable QC and comparable data were observed. The data reported here is from the initial extraction of the sample.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578224 **Group No. 1128376**

RB-03 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 18:00 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LERB3 SDG#: LEC70-11RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	01/23/2009 03:02	Tara L Snyder	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	01/18/2009 15:10	Kimberly A Small	n.a.
00206	Total Suspended Solids	SM20 2540 D	1	01/21/2009 07:12	Susan A Engle	1
00212	Total Dissolved Solids	SM20 2540 C	1	01/21/2009 08:33	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	01/16/2009 17:02	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	01/25/2009 12:29	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	01/26/2009 16:00	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	01/23/2009 18:30	Venia B McFadden	1
00228	Sulfate	EPA 300.0	2	02/01/2009 01:09	Ashley M Heckman	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:14	Dustin A Underkoffler	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	01/23/2009 12:46	Brian K Graham	1
04601	BTEX by 624	EPA 624	1	01/23/2009 00:05	Jason M Long	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/21/2009 21:30	Annamaria Stipkovits	1
08108	625 Water Extraction	EPA 625	1	01/20/2009 18:45	Elaine F Stoltzfus	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	01/19/2009 09:45	Nancy J Shoop	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578225 **Group No. 1128376**

TB-02 Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LETB2 SDG#: LEC70-12TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	5.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:28	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 00:28	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578226 **Group No. 1128376**

MW-28I Grab Water Sample
L.E. Carpenter, NJ

Collected:01/15/2009 10:07 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE28I SDG#: LEC70-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	1,800	50	ug/l	10
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:41	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 07:59	Dustin A Underkoffler	10
04601	BTEX by 624	EPA 624	1	01/23/2009 00:52	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578227 **Group No. 1128376**

MW-19-5 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 12:15 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 02/03/2009 at 19:03
Discard: 03/06/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE195 SDG#: LEC70-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	530		10	ug/l	2
07107	Ethane	74-84-0	1.8	J	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
04601	BTEX by 624						
00843	Benzene	71-43-2	N.D.		5	ug/l	5
00850	Toluene	108-88-3	3,800		40	ug/l	50
00852	Ethylbenzene	100-41-4	64		4	ug/l	5
03589	Xylene (total)	1330-20-7	360		5	ug/l	5

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:55	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 08:13	Dustin A Underkoffler	2
04601	BTEX by 624	EPA 624	1	01/23/2009 01:16	Jason M Long	5
04601	BTEX by 624	EPA 624	1	01/23/2009 01:40	Jason M Long	50

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128376
Reported: 02/03/09 at 07:03 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09016105102A	Sample number(s): 5578214,5578216-5578218							
Nitrite Nitrogen	N.D.	0.015	mg/l	99		90-110		
Batch number: 09016105102B	Sample number(s): 5578219,5578224							
Nitrite Nitrogen	N.D.	0.015	mg/l	99		90-110		
Batch number: 09019109101B	Sample number(s): 5578214,5578216-5578219,5578224							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	97		90-110		
Batch number: 090200014A	Sample number(s): 5578214-5578222							
Methane	N.D.	10.	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	86		80-120		
Ethene	N.D.	1.0	ug/l	85		80-120		
Propane	N.D.	1.0	ug/l	77		73-125		
Batch number: 090200019A	Sample number(s): 5578223-5578227							
Methane	N.D.	5.0	ug/l	107		80-120		
Ethane	N.D.	1.0	ug/l	114		80-120		
Ethene	N.D.	1.0	ug/l	116		80-120		
Propane	N.D.	1.0	ug/l	122		73-125		
Batch number: 09020WAA625	Sample number(s): 5578214,5578216-5578219,5578224							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	86	56*	74-118	42*	30
Batch number: 09021020601A	Sample number(s): 5578214,5578216-5578217,5578219,5578224							
Total Suspended Solids	N.D.	3.0	mg/l	91		63-121		
Batch number: 09021021201A	Sample number(s): 5578214,5578216-5578217,5578219,5578224							
Total Dissolved Solids	N.D.	9.7	mg/l	91		80-120		
Batch number: 090211848001	Sample number(s): 5578214,5578216-5578219,5578224							
Lead	N.D.	0.0069	mg/l	102		90-113		
Batch number: 09023196602A	Sample number(s): 5578214,5578216-5578217,5578219,5578224							
Sulfate	N.D.	0.30	mg/l	106		89-110		
Batch number: 09025106102A	Sample number(s): 5578214,5578216-5578219,5578224							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		
Batch number: 09026022101A	Sample number(s): 5578214,5578216-5578219,5578224							
Ammonia Nitrogen	N.D.	0.20	mg/l	96		91-100		
Batch number: E090221AA	Sample number(s): 5578214-5578227							
Benzene	N.D.	0.9	ug/l	92	93	83-122	1	30
Toluene	N.D.	0.8	ug/l	103	100	86-111	3	30
Ethylbenzene	N.D.	0.8	ug/l	99	99	85-112	0	30
Xylene (total)	N.D.	0.9	ug/l	101	101	86-120	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128376
Reported: 02/03/09 at 07:03 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E090222AA	Sample number(s): 5578220							
Benzene	N.D.	0.9	ug/l	95		83-122		
Toluene	N.D.	0.8	ug/l	100		86-111		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09016105102A	Sample number(s): 5578214,5578216-5578218 UNSPK: 5578218 BKG: 5578218								
Nitrite Nitrogen	65*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09016105102B	Sample number(s): 5578219,5578224 UNSPK: P578309 BKG: P578309								
Nitrite Nitrogen	87*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09019109101B	Sample number(s): 5578214,5578216-5578219,5578224 UNSPK: P578028 BKG: P578028								
Total Phosphorus as P (water)	102		90-110			0.27	0.27	0 (1)	3
Batch number: 090200014A	Sample number(s): 5578214-5578222 UNSPK: P577421								
Methane	71	71	35-157	0	20				
Ethane	85	85	68-131	0	20				
Ethene	92	92	46-164	0	20				
Propane	87	90	36-149	4	20				
Batch number: 090200019A	Sample number(s): 5578223-5578227 UNSPK: P578233								
Methane	69	86	35-157	7	20				
Ethane	103	107	68-131	3	20				
Ethene	110	115	46-164	4	20				
Propane	117	123	36-149	6	20				
Batch number: 09021020601A	Sample number(s): 5578214,5578216-5578217,5578219,5578224 BKG: P578694								
Total Suspended Solids						3,060	2,990	2	13
Batch number: 09021021201A	Sample number(s): 5578214,5578216-5578217,5578219,5578224 UNSPK: 5578217 BKG: 5578217								
Total Dissolved Solids	98	-79*	54-143	105*	12	637	638	0	9
Batch number: 090211848001	Sample number(s): 5578214,5578216-5578219,5578224 UNSPK: P579866 BKG: P579866								
Lead	97	96	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09023196602A	Sample number(s): 5578214,5578216-5578217,5578219,5578224 UNSPK: P577545 BKG: P577545								
Sulfate	114*		90-110			873	845	3 (1)	20
Batch number: 09025106102A	Sample number(s): 5578214,5578216-5578219,5578224 UNSPK: P578028 BKG: P578028								
Nitrate Nitrogen	102		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09026022101A	Sample number(s): 5578214,5578216-5578219,5578224 UNSPK: P578005 BKG: P578005								
Ammonia Nitrogen	90 (2)	96 (2)	64-128	1	8	2,870	2,890	1	2

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128376
Reported: 02/03/09 at 07:03 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E090221AA	Sample number(s): 5578214-5578227 UNSPK: P578979								
Benzene	100		89-127						
Toluene	108		89-119						
Ethylbenzene	106		90-118						
Xylene (total)	107		85-131						
Batch number: E090222AA	Sample number(s): 5578220 UNSPK: P578233								
Benzene	100	101	89-127	1	30				
Toluene	104	105	89-119	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 090200014A

	Propene
5578214	83
5578215	65
5578216	53
5578217	58
5578218	60
5578219	85
5578220	58
5578221	60
5578222	78
Blank	102
LCS	100
MS	73
MSD	71
Limits:	42-131

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 090200019A

	Propene
5578223	71
5578224	89
5578225	96
5578226	91
5578227	90
Blank	110
LCS	113
MS	84
MSD	89

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128376
Reported: 02/03/09 at 07:03 PM

Surrogate Quality Control

Limits: 42-131

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09020WAA625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5578214	90	92	84
5578216	80	105	90
5578217	65	94	88
5578218	88	93	80
5578219	89	91	77
5578224	89	92	80
Blank	93	91	80
LCS	94	93	81
LCSD	63	63	53
Limits:	56-120	62-121	44-134

Analysis Name: BTEX by 624
Batch number: E090221AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5578214	99	96	95
5578215	98	98	95
5578216	99	98	109
5578217	100	97	105
5578218	100	97	111
5578219	103	97	94
5578221	100	97	93
5578222	98	98	98
5578223	100	98	95
5578224	96	96	93
5578225	95	99	95
5578226	96	96	93
5578227	96	97	100
Blank	94	97	97
LCS	95	97	100
LCSD	98	98	101
MS	98	98	100
Limits:	76-114	80-120	86-115

Analysis Name: BTEX by 624
Batch number: E090222AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5578220	94	97	112
Blank	98	97	97
LCS	96	99	97
MS	94	99	95
MSD	98	99	97
Limits:	76-114	80-120	86-115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1128376 Sample # 5578214-27

COC # 200912

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#: 70482

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.35
Sampler: S. Middlebrook/S. Paulukiewicz Quote #:
Name of state where samples were collected: NJ

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Volatile Headspace Hydrocarbons (H)	Total Pest/NH_3 (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss Lead (N)	HPC (O)	Remarks
RB-02	1-15-09	1515	X			X		10	3	2	2	2	2	1	1	1	1	Diss lead is
MW-27S	1-14-09	1055	X			X		5	3		2							field filtered
MW-33S	1-15-09	0823	X			X		10	3	2	2	2	2	1	1	1	1	except RB samples
MW-32S	1-15-09	9:15	X			X		9	3	2	2	2	1	1	1	1	1	
MW-34S	1-15-09	1007	X			X		10	3	2	1	1		1	1	1		
MW-25R	1-15-09	1427	X			X		10	3	2	2	2	2	1	1	1	1	
MW-35S	1-15-09	1050	X			X		5	3		2							
MW-29	1-15-09	0814	X			X		5	3		2							
MW-28S	1-15-09	1153	X			X		5	3		2							
Dup-02	1-15-09	—	X			X		5	3		2							

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jenniforsvervoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottles Storage					
[signature]	1-15-09	1730			
			[signature]	1-16-09	0945

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1128376 Sample # 5578214-27

COC # 198375

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clouet P.O.#: 6527,35
Sampler: S. Middlebrook/E. Pawlukiewicz Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(5) Analyses Requested

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4) Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	BTEX (H)	DEHP (O)	Volatile Petroleum Hydrocarbon (H)	Total Pos/NH3 (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss Lead (N)	HPC (O)	Remarks
AB-03	1-15-09	1800	X			X		10	3	2	2	2	2	1	1	1	1	
TB-02	1-15-09	—	X			X		5	3		2							
MW-28I	1-15-09	1007	X			X		5	3		2							
MW-19-5	1-14-09	1215	X			X		5	3		2							

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 week 3
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overwerde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Scott Middlebrook	1-15-09	1710			
			Shirley Moyer	1-16-09	0945

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT Inc

Date of Receipt: 1-16-09

Time of Receipt: 0945

Source Code: 50·1

Unpacker Emp. No.: 2132

Shipping Container Sealed: (YES) NO

Custody Seal Present: (YES) NO

Custody Seal Intact: (YES) NO NA

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	03106	1.7°-2.3°	ST	WI	Y	B	No temp bottle
2	0429951	1.3°	TB	↓	↓	↓	
3	↓	0.6°	↓				
4	03106	2.0°-2.6°	ST				No temp bottle
5	0429951	0.5°	TB				
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

MW-34S - #11 container - not much volume
The total count for the samples w/ bottles isn't added up right.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Shirley Moyer	1-16-09	1053	Unpacking / to storage
Kristin Zeigler	1-16-09	1109	Place in Storage or (Entry)
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories
2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1128377. Samples arrived at the laboratory on Friday, January 16, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-19-4 Grab Water Sample	5578228
MW-19-12 Grab Water Sample	5578229
GEI-2s Grab Water Sample	5578230
MW-19-17 Grab Water Sample	5578231
ATM-01 Grab Water Sample	5578232
MW-19-6 Unspiked Grab Water Sample	5578233
MW-19-6 Matrix Spike Grab Water Sample	5578234
MW-19-6 Matrix Spike Dup Grab Water Sample	5578235
MW-31s Grab Water Sample	5578236
MW-19 Grab Water Sample	5578237
MW-8 Grab Water Sample	5578238

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Data Package Group
ELECTRONIC RMT, Inc. Attn: Jen Overvoorde
COPY TO

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Sarah Snyder
Specialist

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578228 **Group No. 1128377**

MW-19-4 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 15:19 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE194 SDG#: LEC71-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:23	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 03:48	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578229 Group No. 1128377

MW-19-12 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 12:16 by SM Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

L1912 SDG#: LEC71-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:34	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 04:11	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578230 **Group No. 1128377**

GEI-2s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/13/2009 16:22 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEG2S SDG#: LEC71-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	10	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to interfering peaks on the chromatogram, the value reported for methane represents the lowest reporting limit attainable.					
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 12:46	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 04:34	Jason M Long	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW5578231 **Group No. 1128377**

MW-19-17 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:39 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE197 SDG#: LEC71-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	280		5.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
04601	BTEX by 624						
00843	Benzene	71-43-2	N.D.		0.9	ug/l	1
00850	Toluene	108-88-3	3	J	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	3	J	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	32		0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 13:09	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 04:57	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578232 **Group No. 1128377**

ATM-01 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 09:45 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEAT1 SDG#: LEC71-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	5.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 13:22	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 05:21	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578233 **Group No. 1128377**

MW-19-6 Unspiked Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE196 SDG#: LEC71-06BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	89	5.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 13:36	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 05:44	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578234 **Group No. 1128377**

MW-19-6 Matrix Spike Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE196 SDG#: LEC71-06MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	130	5.0	ug/l	1
07107	Ethane	74-84-0	61	1.0	ug/l	1
07108	Ethene	74-85-1	67	1.0	ug/l	1
07109	Propane	74-98-6	70	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	20	0.9	ug/l	1
00850	Toluene	108-88-3	21	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	20	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	62	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 13:50	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 06:07	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578235 **Group No. 1128377**

MW-19-6 Matrix Spike Dup Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 07:56 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LE196 SDG#: LEC71-06MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	140	5.0	ug/l	1
07107	Ethane	74-84-0	63	1.0	ug/l	1
07108	Ethene	74-85-1	70	1.0	ug/l	1
07109	Propane	74-98-6	74	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	20	0.9	ug/l	1
00850	Toluene	108-88-3	21	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	20	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	63	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 14:03	Dustin A Underkoffler	1
04601	BTEX by 624	EPA 624	1	01/23/2009 06:31	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578236 **Group No. 1128377**

MW-31s Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 14:10 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEM31 SDG#: LEC71-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	11,000		500	ug/l	100
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	1.1	J	1.0	ug/l	1
04601	BTEX by 624						
00843	Benzene	71-43-2	N.D.		9	ug/l	10
00850	Toluene	108-88-3	46	J	8	ug/l	10
00852	Ethylbenzene	100-41-4	4,400		80	ug/l	100
03589	Xylene (total)	1330-20-7	25,000		90	ug/l	100

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 14:32	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 08:26	Dustin A Underkoffler	100
04601	BTEX by 624	EPA 624	1	01/23/2009 06:54	Jason M Long	10
04601	BTEX by 624	EPA 624	1	01/23/2009 07:17	Jason M Long	100

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578237 **Group No. 1128377**

MW-19 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 13:38 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEM19 SDG#: LEC71-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	2,200	50	ug/l	10
07107	Ethane	74-84-0	6.2	1.0	ug/l	1
07108	Ethene	74-85-1	1.3 J	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	45	ug/l	50
00850	Toluene	108-88-3	34,000	400	ug/l	500
00852	Ethylbenzene	100-41-4	700	40	ug/l	50
03589	Xylene (total)	1330-20-7	3,500	45	ug/l	50

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 14:46	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 08:40	Dustin A Underkoffler	10
04601	BTEX by 624	EPA 624	1	01/23/2009 07:40	Jason M Long	50
04601	BTEX by 624	EPA 624	1	01/23/2009 08:03	Jason M Long	500

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW5578238 **Group No. 1128377**

MW-8 Grab Water Sample
L.E. Carpenter, NJ

Collected:01/14/2009 15:45 by SM

Account Number: 09322

Submitted: 01/16/2009 09:45
Reported: 01/28/2009 at 15:01
Discard: 02/28/2009

RMT, Inc.
PO Box 8923
Madison WI 53708-8923

LEMW8 SDG#: LEC71-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	2,600	50	ug/l	10
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
04601	BTEX by 624					
00843	Benzene	71-43-2	N.D.	0.9	ug/l	1
00850	Toluene	108-88-3	N.D.	0.8	ug/l	1
00852	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
03589	Xylene (total)	1330-20-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/22/2009 15:00	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	01/23/2009 08:53	Dustin A Underkoffler	10
04601	BTEX by 624	EPA 624	1	01/23/2009 08:44	Jason M Long	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128377
Reported: 01/28/09 at 03:01 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 090200014A	Sample number(s): 5578228-5578230							
Methane	N.D.	10.	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	86		80-120		
Ethene	N.D.	1.0	ug/l	85		80-120		
Propane	N.D.	1.0	ug/l	77		73-125		
Batch number: 090200019A	Sample number(s): 5578231-5578238							
Methane	N.D.	5.0	ug/l	107		80-120		
Ethane	N.D.	1.0	ug/l	114		80-120		
Ethene	N.D.	1.0	ug/l	116		80-120		
Propane	N.D.	1.0	ug/l	122		73-125		
Batch number: E090222AA	Sample number(s): 5578228-5578238							
Benzene	N.D.	0.9	ug/l	95		83-122		
Toluene	N.D.	0.8	ug/l	100		86-111		
Ethylbenzene	N.D.	0.8	ug/l	97		85-112		
Xylene (total)	N.D.	0.9	ug/l	101		86-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 090200014A	Sample number(s): 5578228-5578230 UNSPK: P577421								
Methane	71	71	35-157	0	20				
Ethane	85	85	68-131	0	20				
Ethene	92	92	46-164	0	20				
Propane	87	90	36-149	4	20				
Batch number: 090200019A	Sample number(s): 5578231-5578238 UNSPK: 5578233								
Methane	69	86	35-157	7	20				
Ethane	103	107	68-131	3	20				
Ethene	110	115	46-164	4	20				
Propane	117	123	36-149	6	20				
Batch number: E090222AA	Sample number(s): 5578228-5578238 UNSPK: 5578233								
Benzene	100	101	89-127	1	30				
Toluene	104	105	89-119	1	30				
Ethylbenzene	100	102	90-118	2	30				
Xylene (total)	103	104	85-131	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128377
Reported: 01/28/09 at 03:01 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 090200014A

	Propene
5578228	95
5578229	97
5578230	84
Blank	102
LCS	100
MS	73
MSD	71
Limits:	42-131

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 090200019A

	Propene
5578231	85
5578232	101
5578233	77
5578234	84
5578235	89
5578236	90
5578237	72
5578238	74
Blank	110
LCS	113
MS	84
MSD	89
Limits:	42-131

Analysis Name: BTEX by 624
Batch number: E090222AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5578228	98	97	93
5578229	99	96	92
5578230	100	97	92
5578231	96	98	96
5578232	98	98	93
5578233	97	98	89
5578234	94	99	95
5578235	98	99	97
5578236	100	97	115
5578237	98	97	101
5578238	99	97	92
Blank	98	97	97
LCS	96	99	97
MS	94	99	95
MSD	98	99	97

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1128377
Reported: 01/28/09 at 03:01 PM

Surrogate Quality Control

Limits:	76-114	80-120	86-115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1128377 Sample # 5578228-38

COC # 199772

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Cleuett P.O.#: 6527.35
Sampler: S. Middlebrook/ Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix (4): Soil	Water (Potable / NPDES)	Other	Total # of Containers	(5) Analyses Requested — Preservation Codes: H	O	H	S	-S	S	-	N	O	Remarks	(6) Temperature of samples upon receipt (if requested)
									BTEX	DEHP	Volatile Halogenated Hydrocarbons	Total Phs & NH3	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss. Lead	HPC		
MW-19-4	1-13-09	1519	x			x			3		2							Diss. Lead is field filtered.	
MW-19-12	1-13-09	1216	x			x			3		2								
GEI-2s	1-13-09	1622	x			x			3		2								
MW-19-7	1-14-09	0939	x			x			3		2								
ATM-01	1-14-09	0945	x			x			3		2								
MW-19-6 MS/MSD	1-14-09	0756	x			x			3		2								
MW-19-6	1-14-09	0756	x			x			3		2								
MW-31s	1-14-09	1410	x			x			3		2								
MW-19	1-14-09	1338	x			x			3		2								
MW-8	1-14-09	1345	x			x			3		2								

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@rmtinc.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1-15-09	1730			
			[signature]	1-16-09	0945

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT Inc

Date of Receipt: 1-16-09

Time of Receipt: 0945

Source Code: 50-1

Unpacker Emp. No.: 2132

Shipping Container Sealed: YES NO

Custody Seal Present: YES NO

Custody Seal Intact: YES NO NA

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	03106	1.7°-2.3°	ST	WI	Y	B	No temp bottle
2	0429951	1.3°	TB	↓	↓	↓	
3	↓	0.6°	↓				
4	03106	2.0°-2.6°	ST				No temp bottle
5	0429951	0.5°	TB				
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

MW-34S - #11 container - not much volume
The total count for the samples w/ bottles isn't added up right.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Shulah Moyer	1-16-09	1053	Unpacking / to storage
Kristin Zeigh	1-16-09	1109	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

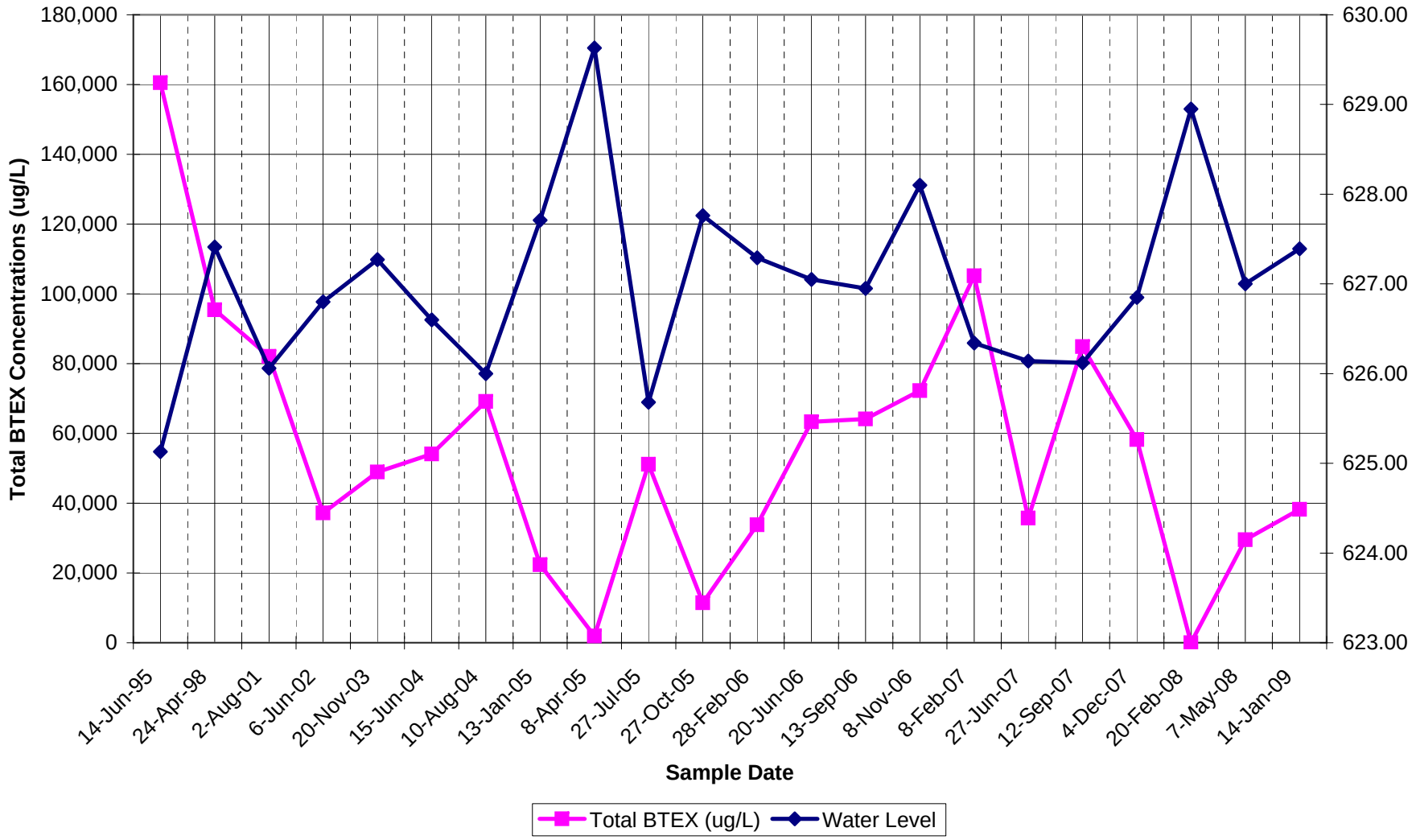
Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

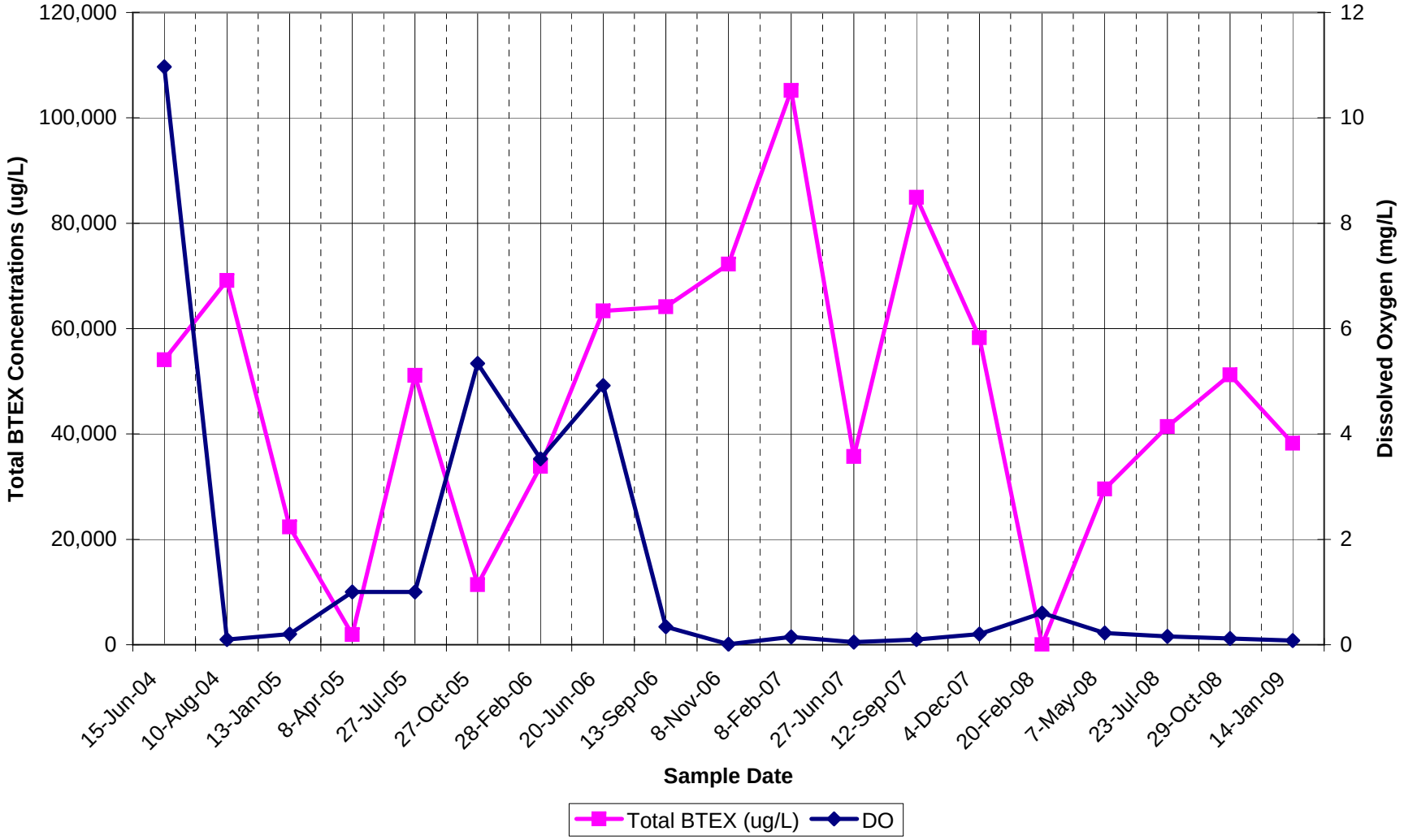
WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Appendix C
BTEX Concentration Trend Charts

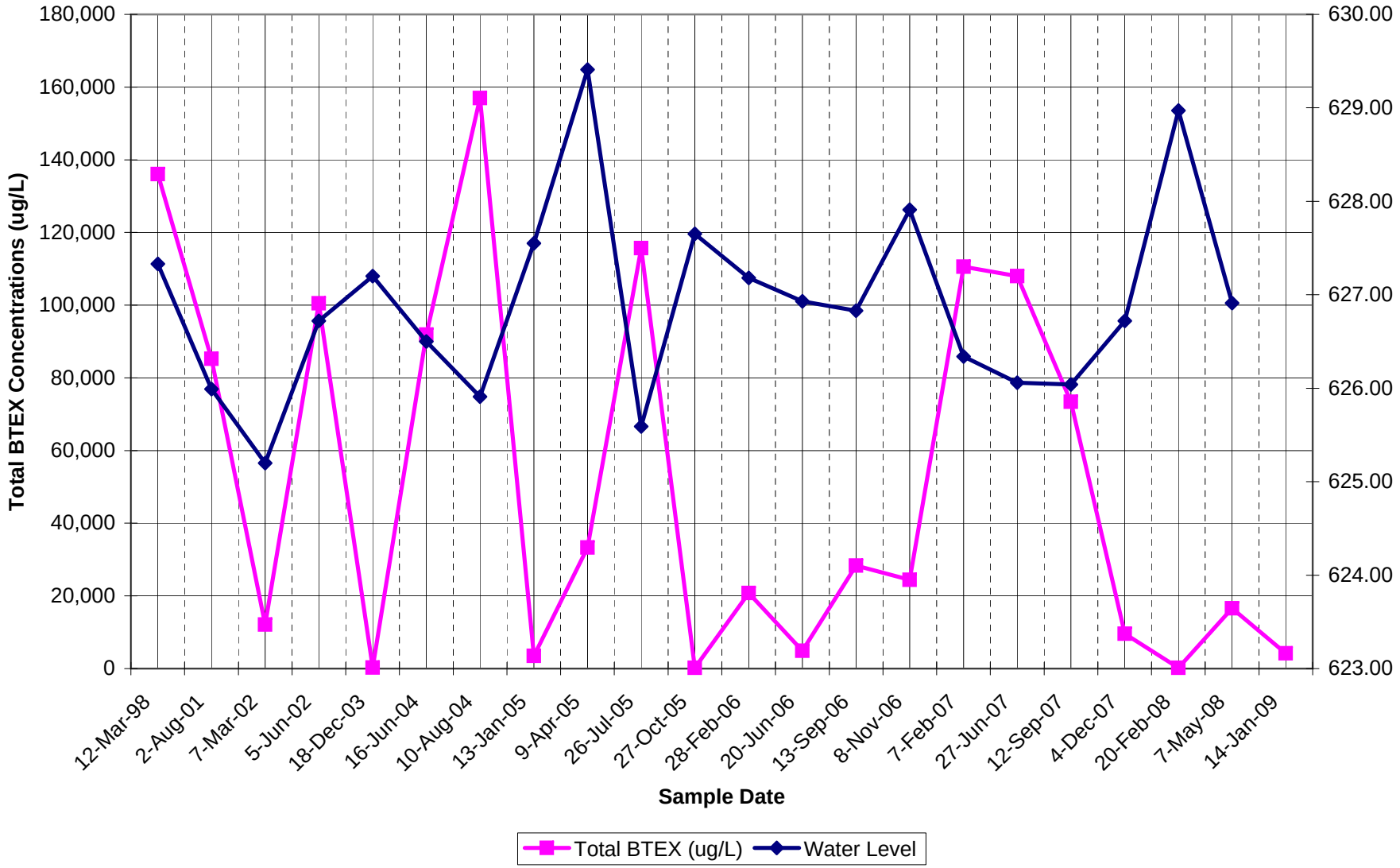
Total BTEX Concentrations vs. Water Levels for MW-19



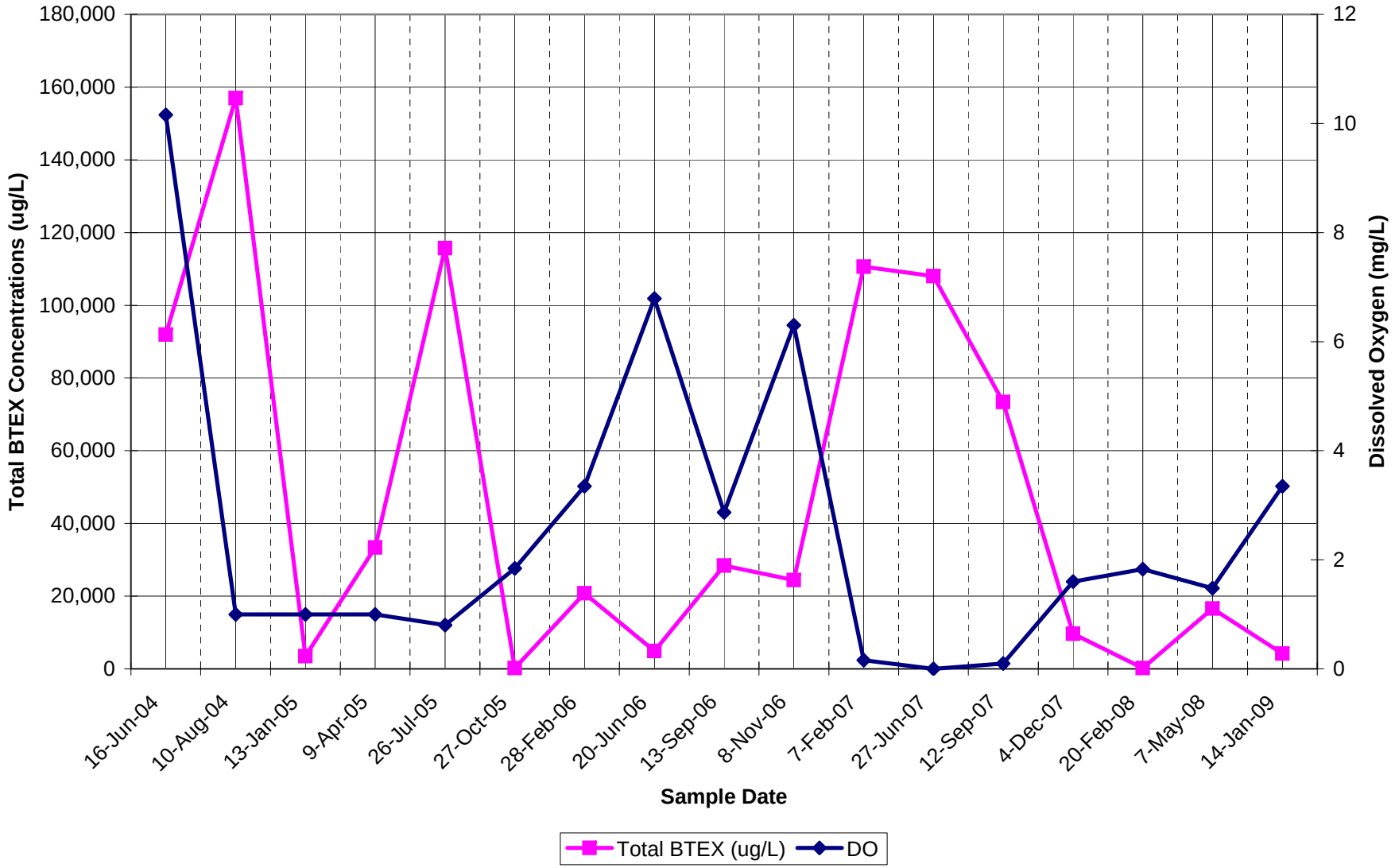
Total BTEX Concentrations vs. Dissolved Oxygen for MW-19



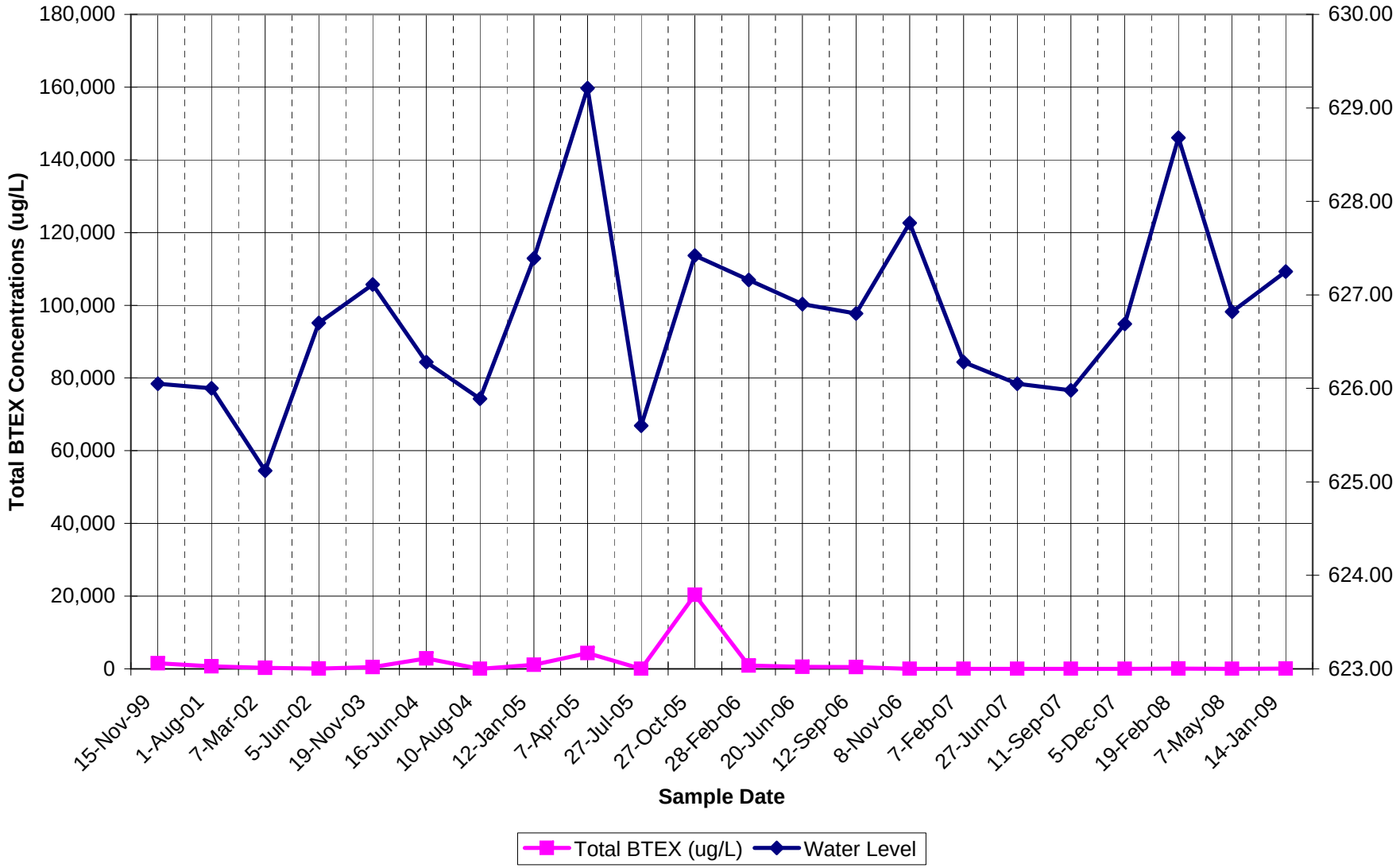
Total BTEX Concentrations vs. Water Levels for MW-19-5



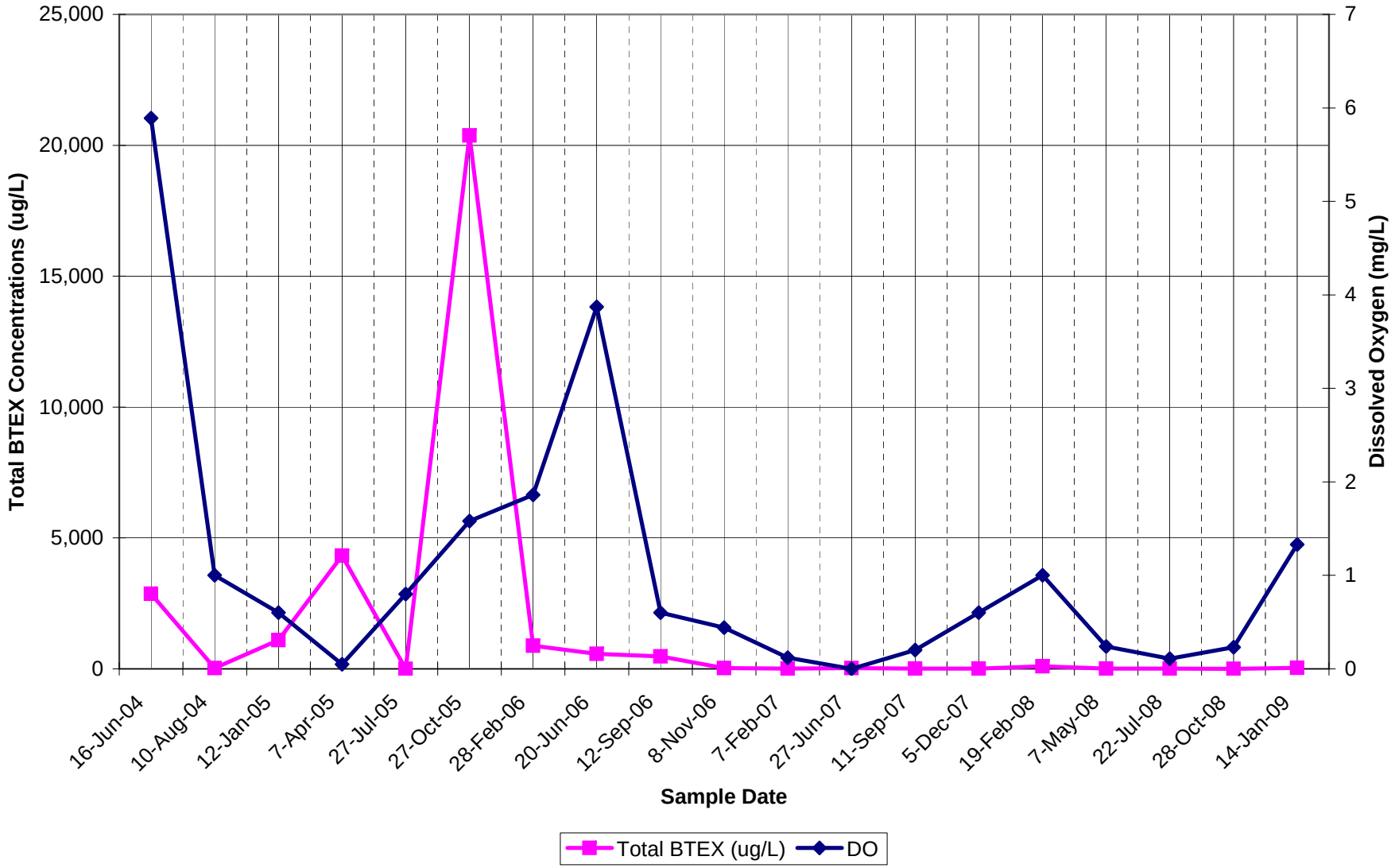
Total BTEX Concentrations vs. Dissolved Oxygen for MW-19-5



Total BTEX Concentrations vs. Water Levels for MW-19-7



Total BTEX Concentrations vs. Dissolved Oxygen for MW-19-7



Appendix D
Photographic Summary

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L. E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
1	1-15-09

Description

Standing near MW-33s looking Northwest toward MW-30 cluster and storage shed in background.

Photo No.	Date
2	1-15-09

Description

Standing near MW-33s looking West across site.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L. E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
3	1-15-09

Description

Standing near MW-33s looking North. MW-31s in background.

Photo No.	Date
4	1-15-09

Description

Standing near MW-33s looking East. MW-32s, 34s and 35s in background.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L. E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
5	1/15/09

Description

Looking Northeast into the Wetland Area near SW-R-2. MW-35s in the background.

Photo No.	Date
6	1/15/09

Description

Booms placed in the wetland area West of SW-R-1.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L. E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
7	1/15/09

Description

Looking East along the Rockaway River at SW-R-1.

Photo No.	Date
8	1/15/09

Description

Ditch River Confluence (DRC-2). Looking South Southeast towards the Rockaway River.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L. E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
9	1/15/09

Description

Looking Northeast near DRC-2. SW-D-5 in the background.

Photo No.	Date
10	1/15/09

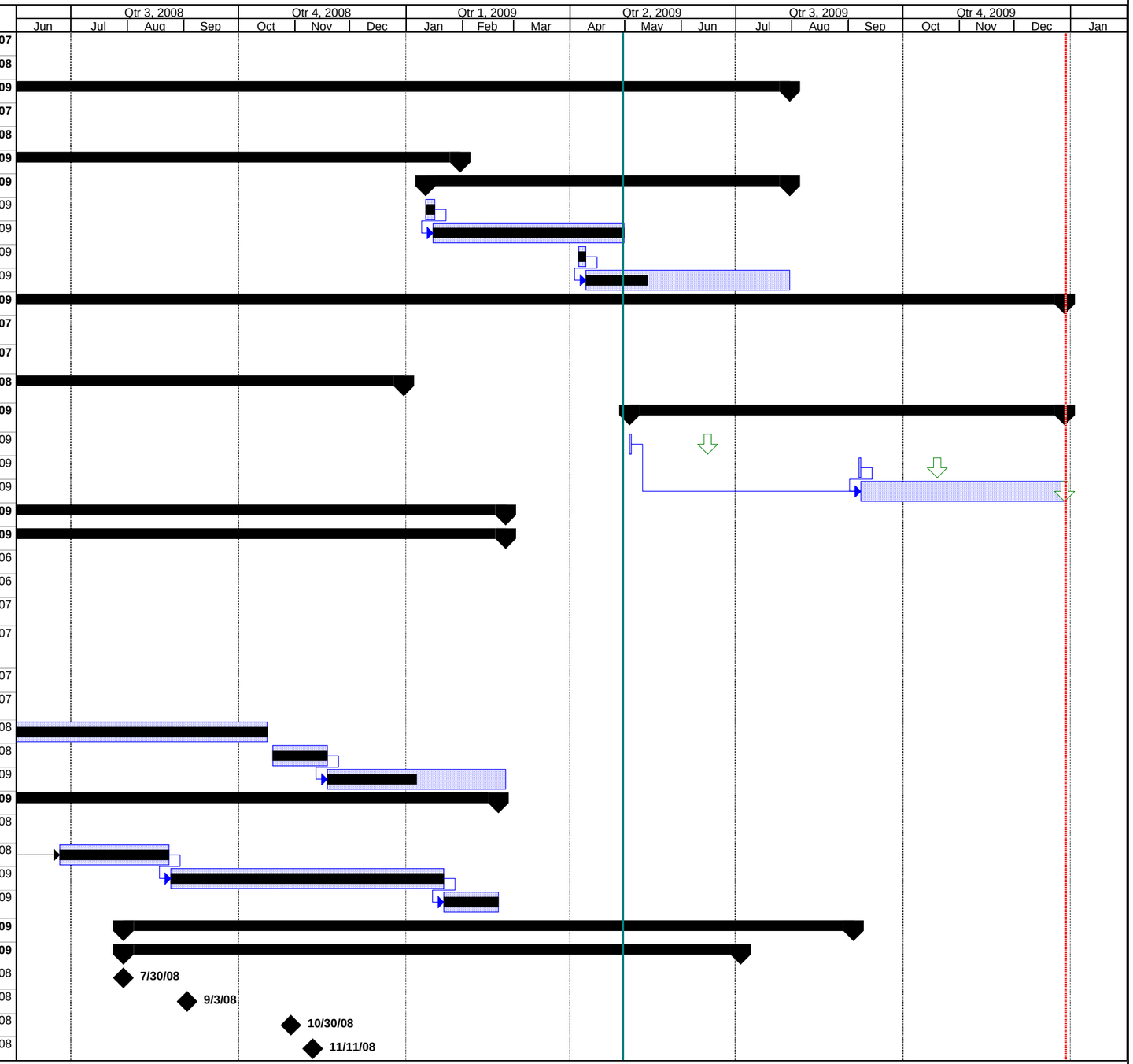
Description

Looking South at SG-R-3 toward the Rockaway River.

Appendix E
Project Schedule

L. E. Carpenter & Company ~ Wharton NJ
Master Project Schedule

ID	Task Name	Duration	Start	Finish
1	**SOURCE REDUCTION**	**918 days**	**Fri 4/16/04**	**Wed 10/24/07**
19	**POST REMEDIAL MONITORING PLAN [PRMP] IMPLEMENTATION**	**726 days**	**Fri 7/1/05**	**Sat 4/12/08**
115	**QUARTERLY MONITORING AND REPORTING**	**894 days**	**Mon 2/27/06**	**Thu 7/30/09**
116	**2006 Monitoring and Reporting**	**242 days**	**Mon 2/27/06**	**Tue 1/30/07**
125	**2007 Monitoring and Reporting**	**267 days**	**Tue 1/23/07**	**Wed 1/30/08**
135	**2008 Monitoring and Reporting**	**250 days**	**Mon 2/18/08**	**Fri 1/30/09**
144	**2009 Monitoring and Reporting**	**144 days**	**Mon 1/12/09**	**Thu 7/30/09**
145	Conduct 1Q09 Monitoring Event	5 days	Mon 1/12/09	Fri 1/16/09
146	Prepare and Submit 1Q09 Monitoring Report	75 days	Fri 1/16/09	Thu 4/30/09
147	Conduct 2Q09 Monitoring Event	4 days	Mon 4/6/09	Thu 4/9/09
148	Prepare and Submit 2Q09 Monitoring Report	80 days	Fri 4/10/09	Thu 7/30/09
149	**WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING**	**935 days**	**Tue 5/30/06**	**Mon 12/28/09**
150	**2006 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**225 days**	**Tue 5/30/06**	**Mon 4/9/07**
156	**2007 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**158 days**	**Tue 5/15/07**	**Thu 12/20/07**
161	**2008 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**167 days**	**Mon 5/12/08**	**Tue 12/30/08**
165	**2009 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**171 days**	**Mon 5/4/09**	**Mon 12/28/09**
166	Spring 2009 Monitoring & Invasive Species Control Event	1 day	Mon 5/4/09	Mon 5/4/09
167	Fall 2009 Monitoring and Invasive Species Control Event	1 day	Mon 9/7/09	Mon 9/7/09
168	2009 Annual Wetland Monitoring Report Preparation and Submittal	80 days	Tue 9/8/09	Mon 12/28/09
169	**REMEDIAL INVESTIGATIONS (RI)**	**782 days**	**Mon 2/27/06**	**Tue 2/24/09**
170	**MW19/HOT SPOT 1 AREA**	**782 days**	**Mon 2/27/06**	**Tue 2/24/09**
171	MW19/Hot Spot 1 Soil Gas Investigation	4 days	Mon 2/27/06	Thu 3/2/06
172	Prepare and submit the MW19/Hot Spot 1 Soil Gas Investigation Report	37 days	Mon 3/20/06	Tue 5/9/06
173	Regulatory review and comment on MW19/Hot Spot 1 Soil Gas Investigation Report	291 days	Wed 5/10/06	Wed 6/20/07
174	Prepare and Submit RMT Response Document [45-Day Extension Request] [MW-19/Hot Spot 1 Soil Gas Investigation Comments/NOD] dated June 20, 2007	19 days	Thu 6/21/07	Tue 7/17/07
175	Regulatory approval of the 45-Day RASR extension	0 days	Fri 7/27/07	Fri 7/27/07
176	Perform Subsurface Investigation, Evaluate Remedial Alternatives, Prepare and Submit the RASR	54 days	Thu 6/21/07	Tue 9/4/07
177	NOD Oct 16, 2008 [NJDEP Review of the RASR]	292 days	Wed 9/5/07	Thu 10/16/08
178	Prepare & Submit RIW [Respond to NOD]	30 edays	Mon 10/20/08	Wed 11/19/08
179	USEPA & NJDEP Discussions & Review of MW19HS1 2008 RIW	70 days	Wed 11/19/08	Tue 2/24/09
180	**MW-30 SOURCE AREA**	**210 days**	**Fri 5/2/08**	**Sat 2/21/09**
181	Receive NJDEP/USEPA Comment Letter post review of 2Q06 through 1Q08 RAPRs requiring preparation of the Remedial Investigation Workplan (RIW)	0 days	Fri 5/2/08	Fri 5/2/08
182	RIW Preparation	60 edays	Wed 6/25/08	Sun 8/24/08
183	USEPA RIW Review Period	150 edays	Mon 8/25/08	Thu 1/22/09
184	LEC and RMT review of USEPA RIW Comments & Communications with USEPA	30 edays	Thu 1/22/09	Sat 2/21/09
185	**MW-30 & MW19HS1 REMEDIATION**	**287 days?**	**Wed 7/30/08**	**Thu 9/3/09**
186	**USEPA UAO, SOW & RAWP**	**243 days?**	**Wed 7/30/08**	**Fri 7/3/09**
187	USEPA RI/FS Letter	0 days	Wed 7/30/08	Wed 7/30/08
188	P1 Response Letter to USEPA Letter (7/30/08)	0 days	Wed 9/3/08	Wed 9/3/08
189	USEPA Response to P1 Letter (9/3/08)	0 days	Thu 10/30/08	Thu 10/30/08
190	P1 Response Letter to USEPA Letter (10/30/08)	0 days	Tue 11/11/08	Tue 11/11/08



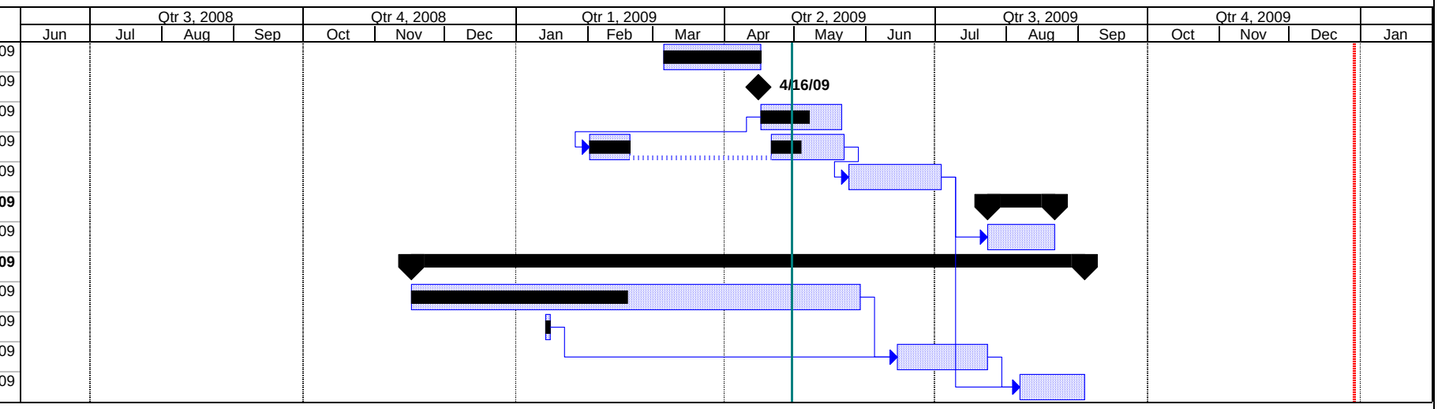
Thu 4/30/09

Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary | Deadline
Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks | External Milestone

edays: elapsed days or calendar days

L. E. Carpenter & Company ~ Wharton NJ
Master Project Schedule

ID	Task Name	Duration	Start	Finish
191	SOW Negotiations	30 days	Fri 3/6/09	Thu 4/16/09
192	EPA, P1 and RMT UAO and SOW Confernce Call	0 days	Thu 4/16/09	Thu 4/16/09
193	UAO negotiations	25 days?	Fri 4/17/09	Thu 5/21/09
194	Addendum to 2004 RAWP	37 days	Mon 2/2/09	Fri 5/22/09
195	USEPA Review and Approval of 2004 RAWP Addendum	30 days	Mon 5/25/09	Fri 7/3/09
196	**MW-30 AOC**	**21 days**	**Fri 7/24/09**	**Fri 8/21/09**
197	2004 RAWP Addendum Implementation	21 days	Fri 7/24/09	Fri 8/21/09
198	**MW19HS1 AOC**	**209 days**	**Mon 11/17/08**	**Thu 9/3/09**
199	Bldg 9 Demolition Assessment, Abatement & Permitting	140 days	Mon 11/17/08	Fri 5/29/09
200	Pre-Demolition Surveying	2 days	Wed 1/14/09	Thu 1/15/09
201	Bldg 9 Demolition	29 days	Mon 6/15/09	Thu 7/23/09
202	2004 RAWP Addendum Implementation	20 days	Fri 8/7/09	Thu 9/3/09



Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary | Deadline
Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks | External Milestone

edays: elapsed days or calendar days