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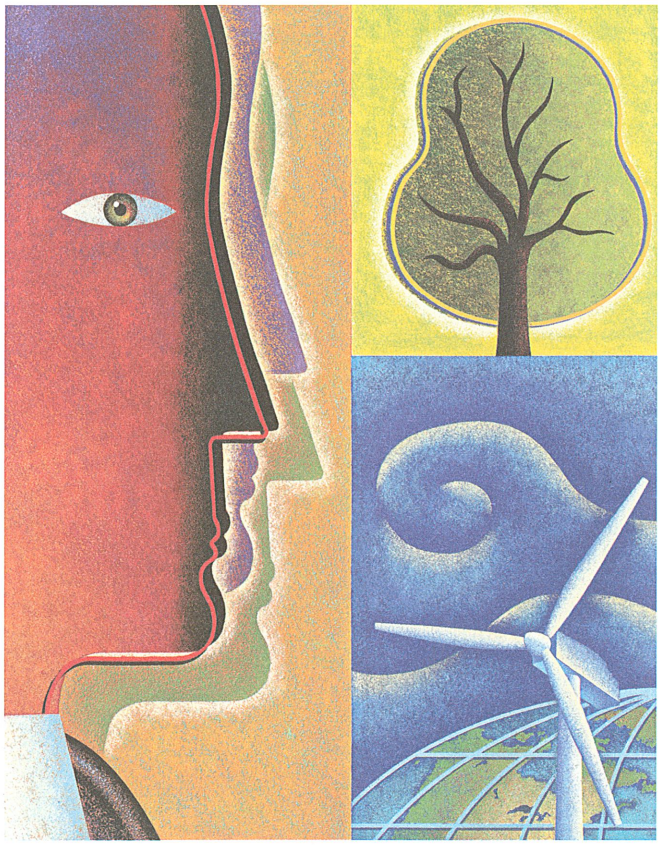
Quarterly Monitoring Report
2nd Quarter 2009

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

USEPA ID No. NJD002168748

July 2009



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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) and in compliance with the October 30, 2008 letter from USEPA to LEC, notifying of the transfer of lead agency and report responsibilities to the USEPA from the NJDEP. We provide a summary of activities completed during the second quarter of 2009 (2Q09), 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 2Q09:

- 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 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 developed a Statement of Work (SOW) which was designed to accompany the Unilateral Administrative Order (UAO) prepared by the USEPA. The final UAO and SOW documents were received by LEC on July 24, 2009 and will become effective three days following an anticipated conference call with USEPA. The streamlined approach outlined above will be presented in an Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004) to be submitted within thirty (30) days of the effective date of the 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 2Q09. A thin measurable thickness of Light Non Aqueous Phase Liquid (LNAPL) was detected at one wetland monitoring well during the 2Q09 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 developed 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) to be submitted within thirty (30) days of the effective date of the final UAO.

- Surface Water: Rockaway River samples show non-detect for all COCs. Surface water samples from the ditch show DEHP slightly above the applicable New Jersey Surface Water Quality Standard (NJSWQS) at SW-D-1 and SW-D-4. BTEX was not detected at any surface water monitoring location.

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 an additional 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 developed a SOW for concurrent implementation of the MW19HS1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation only, without the need for an additional polishing step. 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 final UAO.

2.1 Sampling Methodology

RMT conducted the 2Q09 groundwater monitoring activities April 6 through April 9, 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-D-2 (Dup-01) and MW-19-5 (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 April 6, 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 2Q09 groundwater sample laboratory test results (Table 2) for MW-19-7 and MW-19-12 show 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 April 7 and 8, 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 2Q09 monitoring event.

Benzene, toluene, and total xylenes exceeded the higher of the C2A NJGWQS and PQL of 1 µg/L, 1000 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 ethylbenzene. The sample collected from MW-19-5 had a detection of ethylbenzene while the sample collected from MW-19-6 had detections of ethylbenzene, toluene, and

total xylenes; however none of the concentrations 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 more than 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 2Q09 monitoring event marks the fifth time that all of the wells specified in the PRMP have been sampled. The 2Q09 sampling event is the thirteenth 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 Land Use Regulation Program (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 2Q09 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). Benzene and toluene have not been detected in the MW-28 well cluster since 4Q06. Ethylbenzene and xylene have not been detected in intermediate well MW-28i since 1Q07. Samples collected from MW-28s contain levels of dissolved ethylbenzene and xylene; however, the concentrations appear to be generally decreasing over time in. 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 of DEHP concentration appears to be downward.

Site COCs also continue to be found dissolved in groundwater from source reduction area downgradient well MW-30s. However, only DEHP remains above NJGWQS; all BTEX have been either not detected or below NJGWQS for the last five sampling events. The trend of DEHP in well MW-30s, while fluctuating somewhat from quarter to quarter, appears to be generally downward. For the previous eight events, no contaminants have been detected in wells MW-30i and MW-30d, with the exception of three 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 May 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 final UAO.

As part of the 2Q09 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 2Q09, 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-31s, 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 characterization and 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 2Q09 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 2Q09 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 slightly above the NJSWQC at SW-D-1 and SW-D-4. BTEX was not detected in any ditch sample. 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. DEHP and BTEX were not detected in the surface water sample from SW-R-1.

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.

Site COCs were not detected in Rockaway River surface water samples SW-R-4 and SW-R-6.

Surface water sample SW-R-5 was collected from the Washington Forge Pond, near the SG-R5 staff gauge. This location serves as the background monitoring location for the Site and surface water samples SW-R-1 through SW-R-4, and SW-R-6 (as described above) are compared to the results of SW-R-5, per N.J.A.C. 7:9B-1.5 (d)6iii. Site COCs were not detected in the background pond sample SW-R-5.

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, Site COCs were not detected in the "Ditch-River Confluence" sample DRC-2.

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 2Q09 and activities anticipated for completion during 3Q09 and beyond. LEC completed the 3Q09 quarterly monitoring event during the week of July 20, 2009. 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 final 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 final UAO.

5.3 Wetland Monitoring, Invasive Species Control, and Reporting

The spring 2009 wetland monitoring and invasive species control activities were completed during the week of May 25, 2009. The fall event is tentatively scheduled for 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 Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004).

Tables

TABLE 1

Through 2nd Quarter 2009

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	6-Apr-09		10.57	--	627.03		
GEI-2S	Piezometer	754566	470506.18	634.86	637.27	637.07	6-Apr-09		10.19	--	626.88		
GEI-3I	Piezometer	754311.79	470453.7	636.96	639.39	639.25	6-Apr-09		12.85	--	626.40		
MW-8	Monitoring Well	754099.29	471251.06	627.39	629.96	628.19	6-Apr-09		2.82	--	625.37		
MW-9	Monitoring Well	754075.94	471111.03	628.61	631.09	629.58	6-Apr-09		3.38	--	626.20		
MW-12S(R)	Monitoring Well	754055.97	471042.34	631.57	634.26	633.73	6-Apr-09		7.36	--	626.37		
MW-13S	Monitoring Well	754353.97	471370.04	627.74	630.80	630.63	6-Apr-09		4.50	--	626.13		
MW-13S(R)	Monitoring Well	754333.07	471365.71	627.66	630.36	629.99	6-Apr-09		NM	--	--		
MW-13I	Monitoring Well	754337.8	471360.31	627.76	630.28	630.06	6-Apr-09		4.56	--	625.50		
MW-15S	Monitoring Well	754326.58	470891.83	634.23	636.43	636.17	6-Apr-09		10.30	--	625.87		
MW-15I	Monitoring Well	754325.8	470901.47	634.14	636.28	636.06	6-Apr-09		10.25	--	625.81		
MW-17(S)	Monitoring Well	754109.68	470759.85	632.35	634.32	634.19	6-Apr-09		8.24	--	625.95		
MW-18S	Monitoring Well	754677.95	471117.26	627.62	630.88	630.66	6-Apr-09		4.98	--	625.68		
MW-18I	Monitoring Well	754675.11	471106.07	627.75	630.59	630.44	6-Apr-09		4.42	--	626.02		
MW-19	Monitoring Well	754537.15	470454.45	636.22	636.23	635.90	6-Apr-09		8.86	--	627.04		
MW-19-1	Monitoring Well	754534.52	470427.63	635.93	635.96	635.64	6-Apr-09		8.50	--	627.14		
MW-19-2	Monitoring Well	754551.81	470429.56	636.46	636.50	636.30	6-Apr-09		9.25	--	627.05		
MW-19-3	Monitoring Well	754539.4	470394.2	636.97	637.06	636.70	6-Apr-09		9.55	--	627.15		
MW-19-4	Monitoring Well	754505.39	470432.08	635.69	635.76	635.43	6-Apr-09		3.11	--	632.32		
MW-19-5	Monitoring Well	754565.53	470470.75	635.93	635.93	635.56	6-Apr-09		8.65	--	626.91		
MW-19-6	Monitoring Well	754578.87	470443.1	636.17	636.16	635.82	6-Apr-09		8.90	--	626.92		
MW-19-7	Monitoring Well	754595.66	470501.7	635.31	635.36	635.00	6-Apr-09		8.15	--	626.85		
MW-19-8	Monitoring Well	754617.42	470493.65	635.82	635.82	635.36	6-Apr-09		8.60	--	626.76		
MW-19-9D	Monitoring Well	754590	470442	636.39	636.41	636.10	6-Apr-09		8.84	--	627.26		
MW-19-10	Monitoring Well	754625.75	470590.81	634.72	634.81	634.43	6-Apr-09		NM	--	--		
MW-19-11	Monitoring Well	754617.45	470546.95	634.22	634.26	633.67	6-Apr-09		NM	--	--		
MW-19-12	Monitoring Well	754627.53	470529.72	634.93	634.93	634.46	6-Apr-09		7.85	--	626.61		
MW-21 (3)	Monitoring Well	754240.97	471645.78	624.57	628.49	628.20	6-Apr-09		3.21	--	624.99		
MW-25(R) (3)	Monitoring Well	754201.83	471518.21	624.65	626.77	626.62	6-Apr-09		2.30	--	624.32		
MW-27s	Monitoring Well	754253.78	470672.69	635.82	635.78	635.07	6-Apr-09		9.00	--	626.07		
MW-28S	Monitoring Well	754243.26	471034.34	628.20	631.28	631.14	6-Apr-09		5.79	--	625.35		
MW-28I	Monitoring Well	754242.87	471031.19	628.25	631.20	631.04	6-Apr-09		5.60	--	625.44		
MW-29S	Monitoring Well	754411.14	471187.85	629.94	632.83	632.66	6-Apr-09		7.33	--	625.33		
MW-30S	Monitoring Well	754281.65	471265.12	624.99	628.24	628.24	6-Apr-09		3.15	--	625.09		
MW-30I	Monitoring Well	754286.42	471263.15	625.14	628.15	628.01	6-Apr-09		2.99	--	625.02		
MW-30D	Monitoring Well	754290.05	471261.2	625.20	628.22	628.02	6-Apr-09		2.94	--	625.08		
MW-31S	Monitoring Well	754241.65	471341.5	627.94	630.00	629.82	6-Apr-09		4.88	--	624.94		
MW-32S	Monitoring Well	754207.08	471359.83	628.15	630.33	630.18	6-Apr-09	4.94	4.95	--	625.23	0.01	625.24
MW-33S	Monitoring Well	754170.51	471311.04	628.85	631.06	630.91	6-Apr-09		5.84	--	625.07		
MW-34S	Monitoring Well	754178.83	471399.49	628.07	629.97	629.93	6-Apr-09		5.11	--	624.82		
MW-35S	Monitoring Well	754179.62	471445.17	627.43	629.59	629.19	6-Apr-09		4.44	--	624.75		
SG-R2 (3)	Rockaway River Monitoring Point	754056.10	470946.46	629.41	-	-	6-Apr-09		2.34	--	627.07		
SW-R-1 (4)	Rockaway River Monitoring Point	754125.56	471523.00	625.87	-	-	6-Apr-09		2.35	--	623.52		
SW-R-2 (4)	Rockaway River Monitoring Point	754112.82	471426.51	626.54	-	-	6-Apr-09		2.48	--	624.06		
SW-R-3 (4)	Rockaway River Monitoring Point	754149.30	471368.76	626.25	-	-	6-Apr-09		1.70	--	624.55		
SW-R-4 (4)	Rockaway River Monitoring Point	754088.00	471279.58	627.57	-	-	6-Apr-09		2.32	--	625.25		
SW-R-5 (4)	Rockaway River Monitoring Point	754314.04	470408.85	640.66	-	-	6-Apr-09		1.56	--	639.10		
SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	631.68	-	-	6-Apr-09		NM	--	--		
SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	625.75	-	-	6-Apr-09		1.83	--	623.92		
SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	626.07	-	-	6-Apr-09		2.07	--	624.00		
SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	625.70	-	-	6-Apr-09		1.65	--	624.05		
SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08	624.93	-	-	6-Apr-09		0.84	--	624.09		
SW-D-5	Drainage Channel Monitoring Point	754223.14	471920.10	626.86	-	-	6-Apr-09		3.01	--	623.85		
DRC-2	Drainage Channel Monitoring Point	754117.49	471971.58	623.29	-	-	6-Apr-09		1.72	--	621.57		

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
Dilution factor for BEX 50, Toluene 500	8-Apr-09	2(5)	< 45	940	37,000	4,800	J 3
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	3duplicate	< 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	3duplicate	< 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	4duplicate	< 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
	7-Apr-09	2(4)	< 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	2duplicate	< 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	4resample	< 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

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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 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
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
Dilution factor for BEX 25 and Toluene 250	8-Apr-09	2	< 23.0	490	46,000	2,800	< 1
Dilution factor for BEX 50 and Toluene 500	8-Apr-09	2 duplicate	< 45.0	610	38,000	3,200	< 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
	7-Apr-09	2	< 0.9	J 1.0	8.0	J 4.0	< 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

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
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
	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
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 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
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
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
	7-Apr-09	2	< 0.9	J 3.0	120	13	< 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***
	8-Apr-09	2 (5)	< 0.9	< 0.8	< 0.8	< 0.9	J 3.0
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

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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	< 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
	7-Apr-09	2(5)	< 0.9	< 0.8	< 0.8	< 0.9	J 1.0
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
	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
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	J 1.0	< 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	3duplicate	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	1duplicate	< 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	3duplicate	< 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	< 0.8	64	***140***
Dilution factor for DEHP 10	8-Apr-09	2	< 0.9	39	< 0.8	100	***200***
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	1duplicate	< 0.9	< 0.8	< 0.8	< 0.9	***41***
Dilution factor for DEHP 10	8-Apr-09	2(5)	< 0.9	< 0.8	< 0.8	< 0.9	***240***
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	1duplicate	< 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

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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
	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
	7-Apr-09	2 (4)	< 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***
	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
Dilution factor for DEHP is 50	8-Apr-09	2	< 0.9	74	< 0.8	340	***1,100***
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
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	J 3
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
	8-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
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***
Dillution factor for BTE 10 and Xylenes 100, DEHP 10	9-Apr-09	2	< ***9.0***	***2,300***	< 8	***9,600***	***690***
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***

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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
Dilution for Benzene & Ethylbenzene 20, Toluene & Xylenes 200, DEHP 100	8-Apr-09	2	< 18.0	8,200	< 16.0	50,000	8,600
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
Dilution factor for DEHP 50	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	1,100
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
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100	8-Apr-09	2	< 9.0	3,600	J 18.0	18,000	J 5.0
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
Dilution factor for Benzene and Toluene 20, Ethylbenzene& Xylene 200, DEHP 50	8-Apr-09	2	< 18.0	13,000	J 40.0	100,000	1,800
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
	8-Apr-09	2	< 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

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
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
RB-01	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-02	9-Apr-09	2	< 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
	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
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	NA
	5-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	NA
	7-Apr-09	2	< 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.

(4) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. However, DEHP was not detected in the re-analysis of the sample. The data reported here is from the re-analysis of the sample.

(5) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. Comparable data was observed beween the two extractions. The data reported here is from the initial extraction of the sample.

TABLE 3

Through 2nd 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 methane 10	1Q09	13	25.2	356	ND	ND	ND	3.6 J	2,200	ND
Dilution for methane 50	2Q09	36	12.8	***670***	ND	ND	ND	2.4 J	4,800	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
	2Q09	4000	4.4 J	***1690***	1.3	ND	ND	25	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
Dilution factor for Methane 5	2Q09	27	ND	250	0.069 J	ND	ND	6.4	1,300	ND
Dilution factor for Methane 5	2Q09D	110	ND	250	0.071 J	2.6	ND	6.4	1,400	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

TABLE 3

Through 2nd 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]
	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
	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
	2Q09	15	3.6 J	***1,380***	2.2	ND	ND	37.4	140	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
	2Q09	98	23.6	***3010***	1.1	ND	ND	31.2	400	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
	2Q09	320	5.2 J	334	0.94	ND	ND	18.5	ND	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3000	ND

TABLE 3

Through 2nd 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 20	4Q08	5200	33.6	94.5	ND	0.35 J	ND	1.9 J	1800	ND
Dilution factor for Methane 10	1Q09	51	56.8	270	ND	0.64	0.16	ND	2600	ND
Dilution factor for Methane 50	2Q09	450	28	174	ND	ND	ND	ND	6100	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
	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
	2Q09	>5700	98.8	362	ND	ND	ND	9.4	7.6 J	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
	1Q09	190	1,200	***517***	0.55	ND	0.27	62.5	ND	0.0283
	2Q09	81	253	454	0.96	ND	ND	52.6	ND	ND
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
Dilution factor for Methane 5	2Q09	530	6.0 J	327	ND	ND	0.24	5.8	1,000	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
Dilution factor for Methane 10	1Q09D	4	35.2	415	ND	0.54 J	0.26	ND	1700	ND
	2Q09	89	13.6	351	ND	ND	0.22	7.7	110	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

TABLE 3

Through 2nd 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 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
Dilution factor for Methane 50	2Q09	200	58	464	ND	5.8	0.28	7.3	4,000	ND
MW-30s	2Q06	2200	75.6	348	ND	0.86	0.17	5.2	3800	ND
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
Dilution factor for Methane 20	2Q09	210	40	464	ND	1.3	0.14	2.0 J	3,700	ND
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
	2Q09	670	36.8	474	ND	1.3	0.19	5.9	270	ND
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
	2Q09	75	9.2 J	324	0.046 J	ND	ND	14.3	5 J	ND
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 methane 100	1Q09	620	35.2	***629***	ND	22.6	0.40	47.9	11000	ND
Dilution factor for Sulfate and Methane 20	2Q09	> 5700	ND	***556***	0.056 J	6.4	ND	136	2400	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
Dilution factor for Sulfate 20 and Methane 100	2Q09	240	35.2	***612***	0.16	1.8	ND	122	6900	ND
MW-33s										
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2800	**0.011**

TABLE 3

Through 2nd 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 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
Dilution factor for Methane 50	2Q09	2800	74	410	ND	6.7	0.31	4.8 J	8400	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
Dilution factor for Methane 100	2Q09	NA	26.4	369	0.16	0.38 J	ND	8.7	8600	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
Dilution factor for Methane 200	2Q09	680	77.6	459	ND	1.1	0.19	9.4	20000	ND
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
	2Q09	3	ND	310	1.4	ND	ND	26.5	57	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*
	2Q09	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*

TABLE 3

Through 2nd 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)
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	2Q09	1	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	2Q09	ND	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

NA = Not Analyzed, due to lack of recharge water

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
	2Q09	0.32	6.33	-173	1200	7.05	9.20	20	100	40
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
	2Q09	2.64	6.22	-8	2580	8.44	10.08	0.4	70	18
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
	2Q09	4.67	6.19	-86	383	9	8.52	0.6	70	19
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

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Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	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
	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
	2Q09	2.69	6.46	-39	258	8.65	9.88	0.6	70	25
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
	2Q09	4.24	6.58	-14	5120	28.1	9.00	2	40	18
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
	2Q09	9.6	7.59	18	621	7.18	9.29	0	70	6
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
	2Q09	0.1	7.16	12.3	268	39	8.11	>20	160	60
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
	2Q09	0.58	7.11	-40	376	8	6.48	2	70	7
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

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	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
	2Q09	1.55	8.2	-71	486	62	9.08	0.6	150	15
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
	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
	2Q09	0.06	6.75	-76.6	392	9	9.26	>20	150	40
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
	2Q09	0.05	6.35	-29.1	407	20	9.97	>20	100	60
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
	2Q09	0.05	7.09	-89.7	578	8	9.13	>20	350	70
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
	2Q09	0.17	6.94	-238	956	9.47	7.67	+20	80	40
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
	2Q09	0.32	6.73	-222	930	5.7	8.75	20	50	32

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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
	2Q09	0.18	7.03	-197	608	14	10.87	3	80	13
MW-31s	2Q08	0.51	12.47	-192	1,499	>1000	15.74	1	225	0
	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
	2Q09	0.16	8.68	-127.6	540	28	6.61	0.4	225	18
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
	2Q09	0.29	6.61	-132.8	659	12	6.62	>20	250	80
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
	2Q09	0.61	6.79	-39.4	577	38.6	5.86	>20	350	80
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
	2Q09	0.44	7.32	-82.5	488	10	6.57	8	300	30
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
	2Q09	0.21	7.36	-121.9	683	53	6.40	>20	300	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
	2Q09	3.95	6.83	-13	535	5.32	8.97	0	60	16

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	<	0.20	<	0.20	<	0.60	<	1.00
	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***
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	***2.0***
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***
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	6-Apr-09	2Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
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***

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	
	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
	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***
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
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***
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	***2.0***
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***
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
DRC-2												

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	
	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
	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
	6-Apr-09	2Q09	<	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
	6-Apr-09	2Q09	<	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

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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	
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
	6-Apr-09	2Q09	<	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
	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***
	21-Jul-08	3Q08R		NA		NA		NA		NA		***26***
	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
	6-Apr-09	2Q09	<	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

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-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
	6-Apr-09	2Q09	<	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
	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
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
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
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
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

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

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)

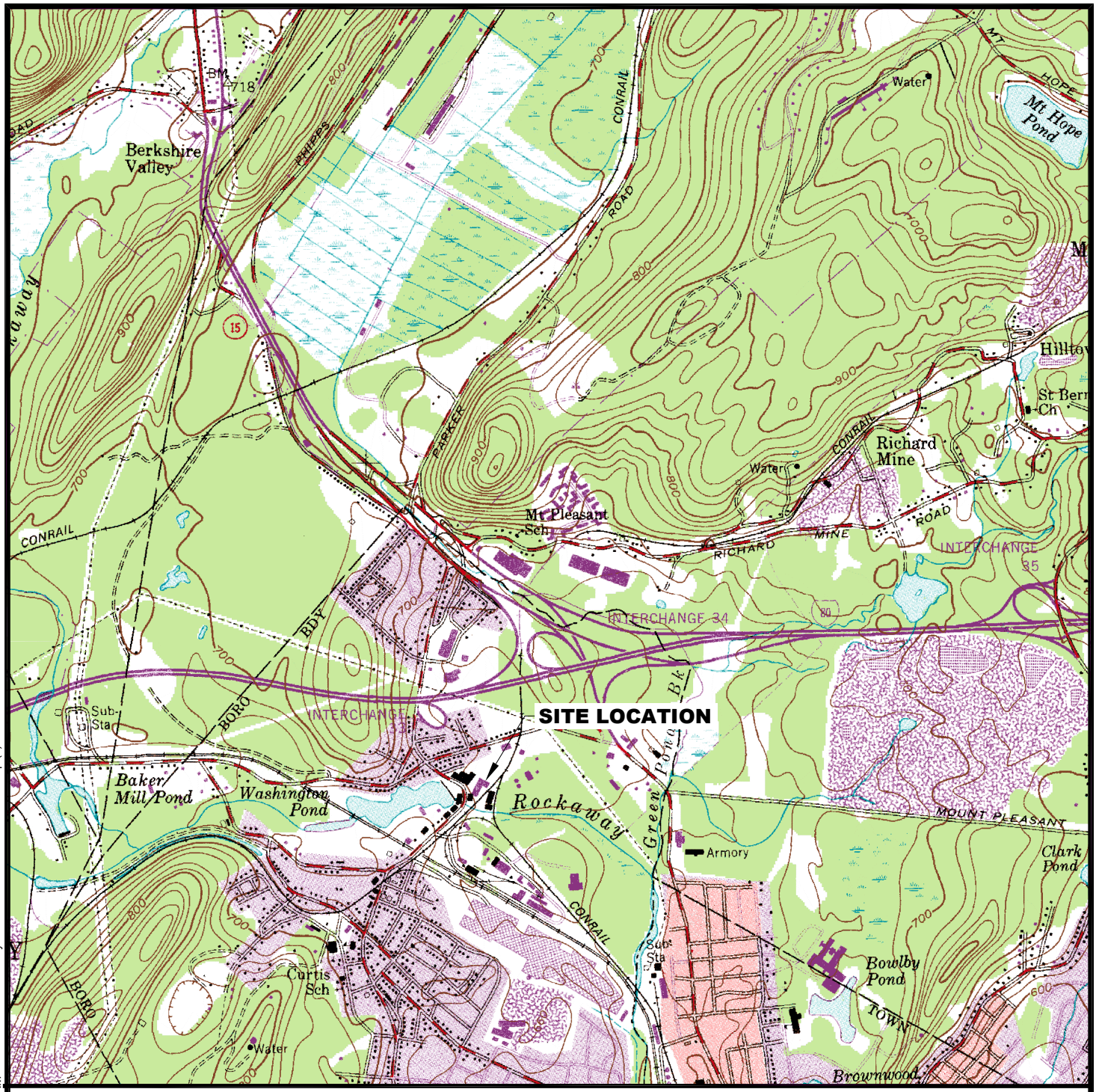
* = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.

(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 (Lancaster).

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

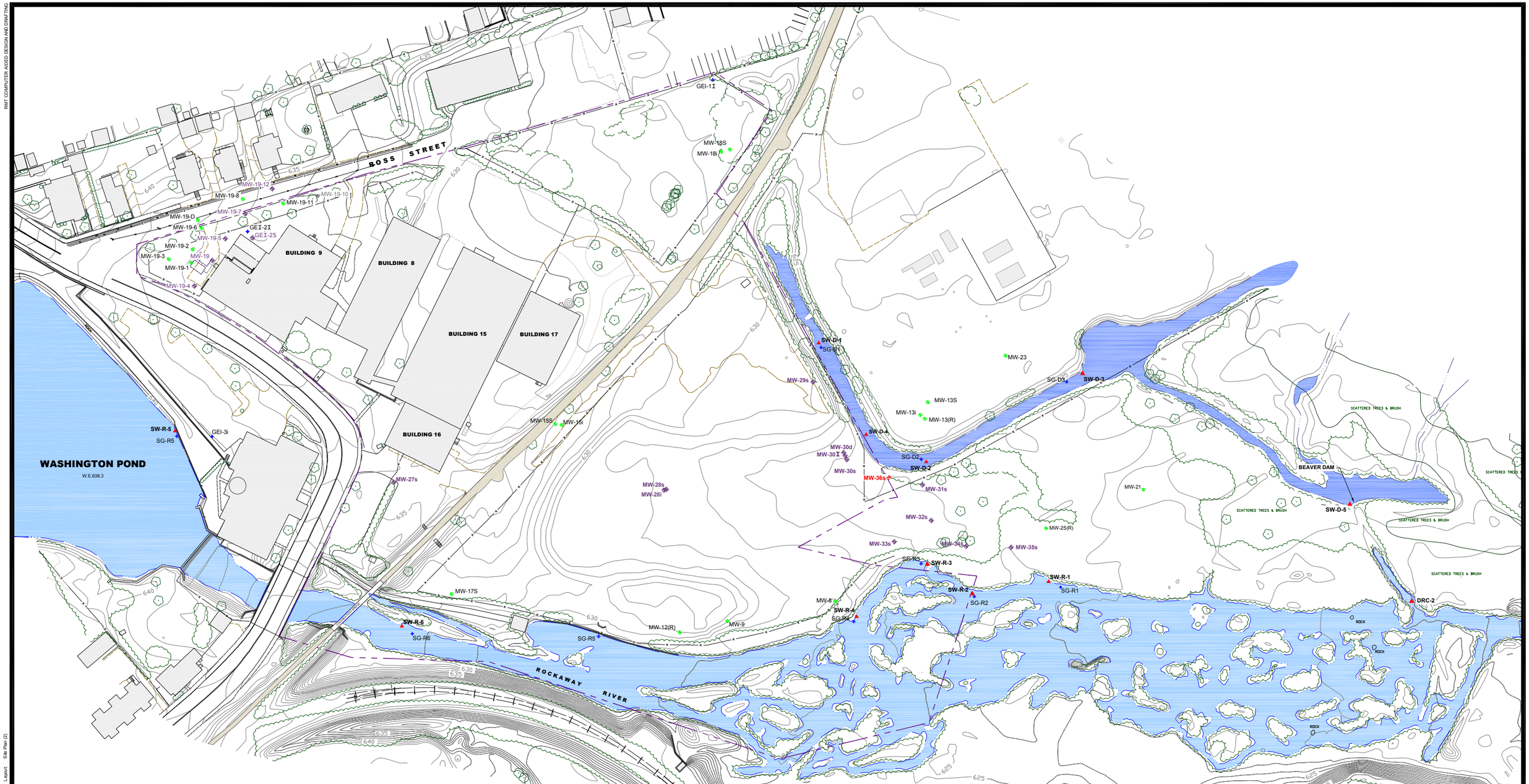
SITE LOCATION MAP

DRAWN BY:	SJL
CHECKED BY:	JO
APPROVED BY:	JD,NC
DRAWING SCALE:	SHOWN
PROJECT NUMBER:	J:\06527\35
FILE NUMBER:	6527.35.41.dwg
DATE:	June 2009

FIGURE 1

PLOT DATA:
Drawing Name: J:\06527\35\6527.35.41.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 0.000500
Dwg Size: 0.17 Mb
Plot Date: June 26, 2009
Plot Time: 6:49 AM
Attached Xref's:
Attached Images:
Layout:
Dover New Jersey; RMT Logostrip (CLR); Site Location Map (1)

RMT COMPUTER AIDED DESIGN AND DRAFTING



PROPOSED SAMPLING LOCATIONS

MW-36s PROPOSED MONITORING WELL LOCATION AND NUMBER

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)
- 630 POST-REMEDIATION GROUND SURFACE ELEVATIONS

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

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

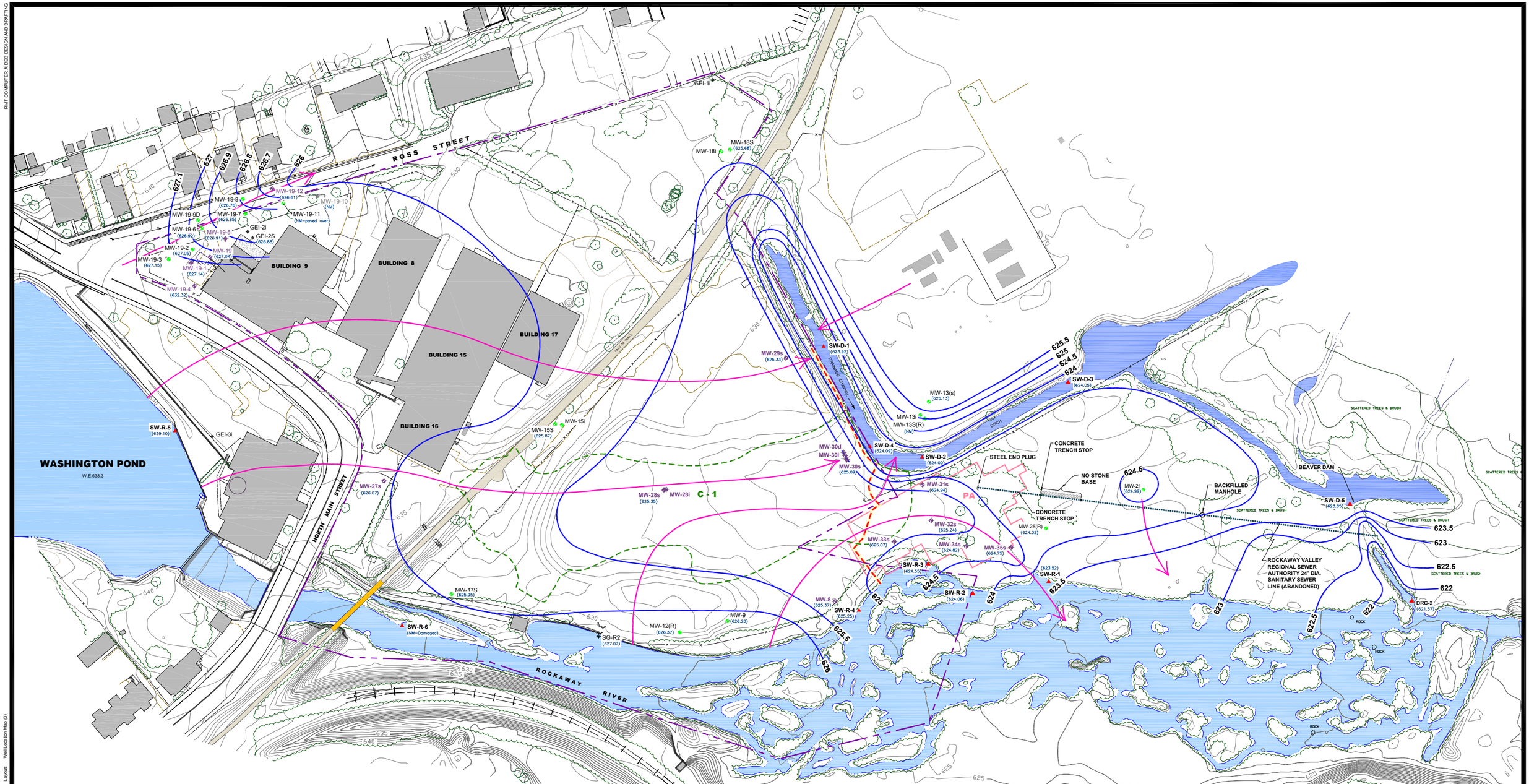
DRAWN BY: SJL	DRAWING SCALE: SHOWN	PROJECT NO. J:\06527\35	
CHECKED BY: JD		FILE NO. 6527.35.42.dwg	
APPROVED BY: JD	DATE PRINTED:	**FIGURE 2**	
DATE: June 2009			

RMT

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

Layout: Site Plan (2)
Dwg Size: 0.23 Mb
Plot Date: March 2006
Plot Time: 6:46 AM
Drawing Name: J:\06527\35\6527 35 42.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1:40

RMT COMPUTER AIDED DESIGN AND DRAFTING



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)
- (627.04) — GROUND WATER ELEVATION
- 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

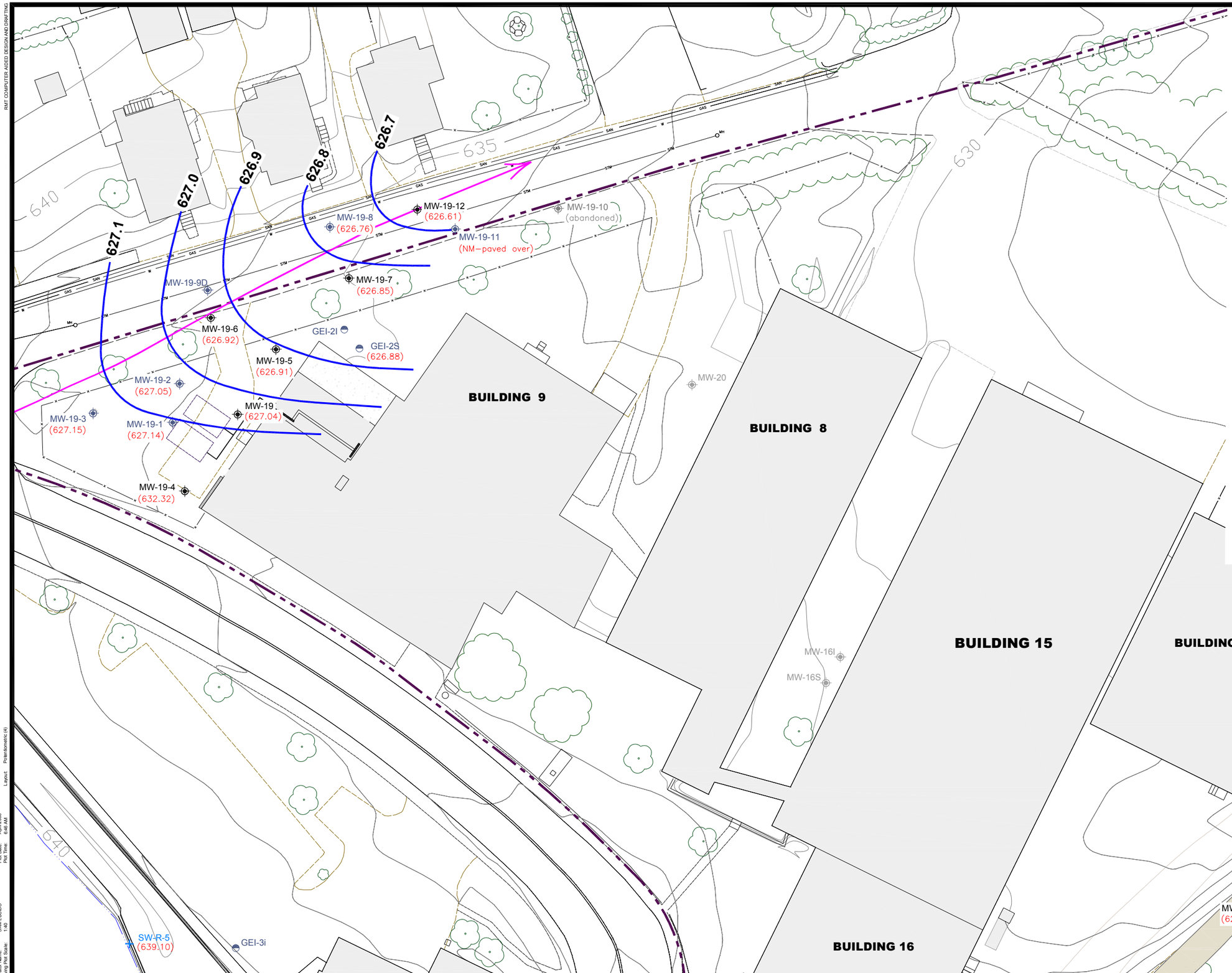
SITE-WIDE SHALLOW GROUNDWATER ELEVATION CONTOURS 2nd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.43.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 3**	
DATE: June 2009			

RMT

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

Layout: Well Location Map (3)
Dwg Size: 0.26 Mb.
Plot Date: April 2008
Plot Time: 8:47 AM
J:\06527\35\6527 35 43.dwg
SAM LUCIDO
Drawing Name:
Operator Name:
Drawing Plot Scale: 1:40



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 (626.90) — WELLS SAMPLED DURING SECOND 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 APRIL 6, 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

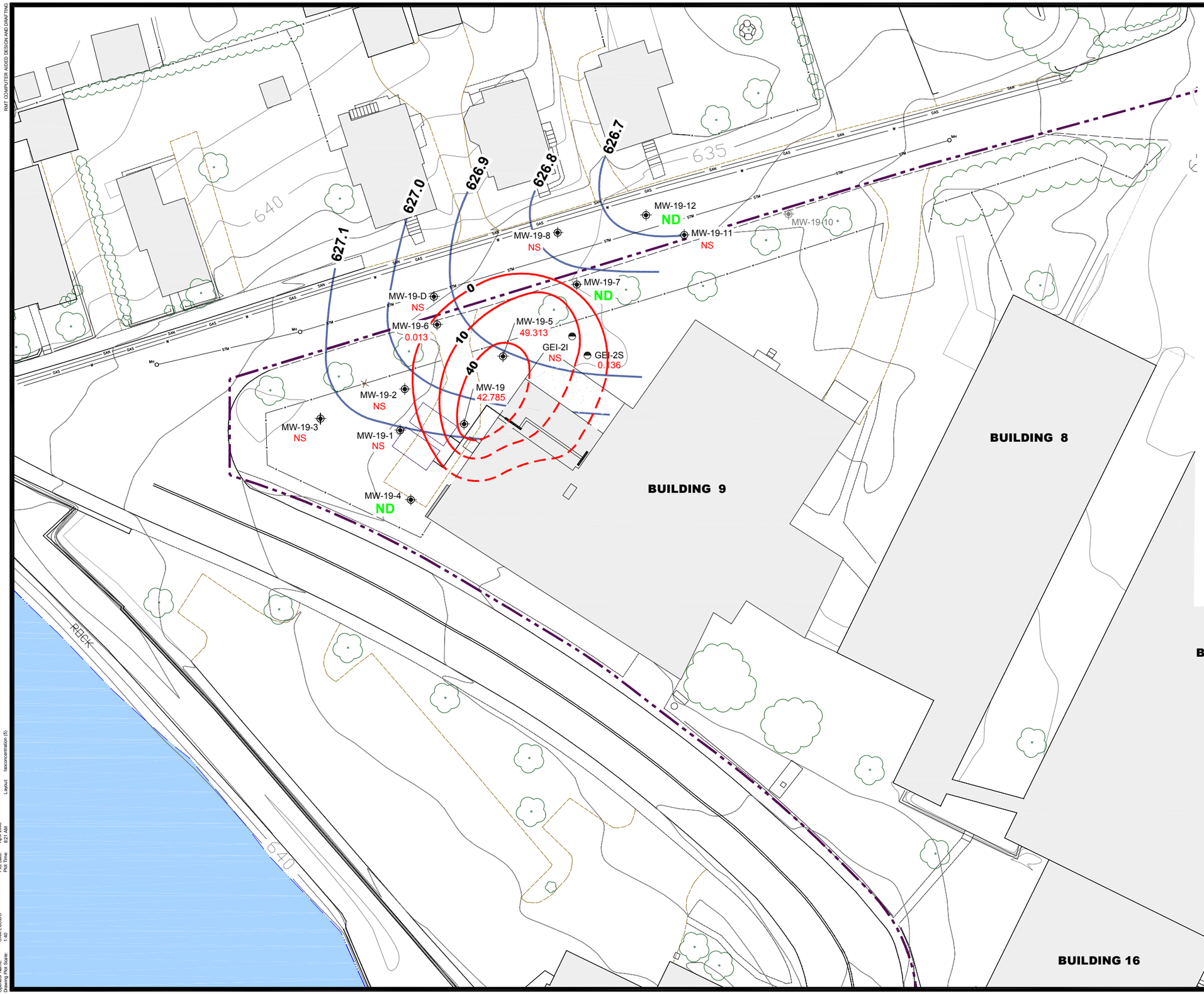
MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP
2nd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.44.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 4**	
DATE: June 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\6527.35.44.dwg
Operator Name: SAM LUCIDO
Drawing Plot Scale: 1=40
Dwg Size: 0.10 Mb
Plot Date: April 2008
Plot Time: 6:46 AM
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 APRIL 6, 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
2nd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JO	SHOWN	FILE NO.	6527.35.45.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 5**	
DATE: June 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\6527.35.45.dwg
Operator Name: SAM L\CIDO
Drawing Plot Scale: 1:40
Dwg Size: 0.20 Mb
Plot Date: April 2008
Plot Time: 8:21 AM
Layout: Isoconcentration (5)

Appendix A
Field Data Forms

RMT

• ENVIRONMENT • ENERGY • ENGINEERING

PROJECT NAME: LE Carpenter

PROJECT NUMBER: 6527.35

PROJECT MANAGER: J. Overvoorde

SITE LOCATION: 170 N. Main Street
Wharton, NJ 07885

DATES OF FIELDWORK: 4/6/2009 TO ~~4/10/2009~~ 4/9/09

PURPOSE OF FIELDWORK: 2Q09 Sampling Event

WORK PERFORMED BY: Scot Middlebrook, Scott Pawlukiewicz

S. Pawlukiewicz 4-16-09
SIGNED DATE

J Overvoorde 4/30/09
CHECKED BY DATE

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 4-6-09	TIME ARRIVED: 1030
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1800

WEATHER

TEMPERATURE: ~40 °F WIND: 5-15 MPH VISIBILITY: RAIN

WORK / SAMPLING PERFORMED

- SITE WIDE WLS.
- Collect SW Samples: SW-D-5, SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-D-4, SW-R-6, SW-R-5, SW-D-3, SW-D-2 (Dup-02), SW-D-1.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
D. Cunson	LEC	Check-In.
J. Overwood	RMT	Status Update.

S. Pawlukiewicz 4/16/09
SIGNED DATE

Overwood 4/30/09
CHECKED BY DATE

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 4-7-09	TIME ARRIVED: 0645
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1800

WEATHER

TEMPERATURE: -45 °F WIND: 5-15 MPH VISIBILITY: Partly Cloudy.

WORK / SAMPLING PERFORMED

- Purged wetland wells [MW-33s, MW-31s, MW-32s, MW-34s, MW-35s]
- GW Sampled: MW-19-12, MW-19-7 (MS/MSD), MW-19-6, MW-25R, MW-19-4, GEI-2s, MW-29s.
- Purged MW-27s dry.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
J. Wernore	RMT	Status Update.

S. Pawlukiewicz 4-16-09
SIGNED DATE

J Wernore 4/30/09
CHECKED BY DATE

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 4-8-09	TIME ARRIVED: 0645
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1740

WEATHER

TEMPERATURE: 35-40 °F WIND: 5-15 MPH VISIBILITY: OVERCAST / SNOW FLURRIES

WORK / SAMPLING PERFORMED

GW SAMPLED: MW-19, MW-8, ATM-01, MW-19-5 (DUP-02)
MW-28i, MW-30D, MW-28S, MW-30i, MW-30S,

- SAMPLED MW-27S (PARTIAL SAMPLE).
- SAMPLED MW-32S, MW-34S, MW-35S (all PARTIAL SAMPLE COLLECTION).

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
J. Overmoyer	RMT	STATUS Update.

S. Pawlukiewicz 4-16-09
SIGNED DATE

J Overmoyer 4/30/09
CHECKED BY DATE

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 4-9-09	TIME ARRIVED: 0700
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1600

WEATHER

TEMPERATURE: 50 °F WIND: 0-10 MPH VISIBILITY: CLEAR

WORK / SAMPLING PERFORMED

- COLLECTED RINSE BLANKS RB-01 AND RB-02.
- SAMPLED MW-27S, MW-33S, MW-31S, MW-32S, MW-34S, MW-35S.
- Packed + Shipped Equipment, collected Supply Inventory.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
J. Overwoorde	RMT	STATUS UPDATE
D. Conson	LEC	NOTIFICATION OF LEAVING SITE.

S. Pawlukiewicz 4-16-09.
SIGNED DATE

J Overwoorde 4/30/09
CHECKED BY DATE

REVISED 03/2008

RMT

EQUIPMENT SUMMARY

PROJECT NAME:	LE Carpenter	SAMPLER NAME:	Scot Middlebrook, Scott Pawlukiewicz
PROJECT NO.:	6527.35		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

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

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

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

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

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

PURGING METHOD

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

SAMPLING METHOD

BLADDER PUMP (QED SAMPLE PRO)	RMT GR
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
GEOTECH DISPOSABLE FILTER	0.45 MICRON
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
DISPOSABLE POLY TUBING	☑ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

STORE BOUGHT	STORE BOUGHT
POTABLE WATER SOURCE	DI WATER SOURCE
S. Pawlukiewicz 4-7-09	D Overmoyde 4/30/09
SIGNED DATE	CHECKED BY DATE

REVISED 03/2008

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	4-6-09
PROJECT NUMBER:	6527.35	AUTHOR:	Scot Middlebrook, Scott Pawl

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-19	1715		8.86	16.60		
MW-19-1	1707		8.50			
MW-19-2	1708		9.25			
MW-19-3	1712		9.55			
MW-19-4	1705		3.11	16.05		
MW-19-5	1717		8.65	15.59		
MW-19-6	1648		8.90	19.50		
MW-19-7	1654		9.15	20.25		
MW-19-8	1656		8.60			
MW-19-9D	1650		8.84	-		
MW-19-10	NM		NM			
MW-19-11	NM		NM			
MW-19-12	1652		7.85	16.70		
GEI-2I	1700		10.57	-		
GEI-2S	1659		10.19	19.61		
GEI-3I	1536		12.85			
MW-15S	1503		10.30			
MW-15I	1504		10.25			
MW-18S	1458		4.98			
MW-18I	1500		4.42			
MW-17S	1455		8.24			
MW-12R	1433		7.36			
MW-9	1430		3.38			
MW-8	1250		2.82	20.23		

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

Scott Middlebrook 4-6-09
SIGNED DATE

[illegible] 4/30/09
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	4-6-09
PROJECT NUMBER:	6527.35	AUTHOR:	Scot Middlebrook, Scott Pawl

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-13S	1557		4.50			
MW-13I	1558		4.56			
MW-13S (R)	NM		NM			
MW-25R	1302		2.30	9.65		
MW-21	1306		3.21			
MW-27S	1527		9.00	13.05		
MW-28S	1449		5.79	17.63		
MW-28I	1452		5.60 ~~7.33~~	22.81		
MW-29S	1237		~~14.58~~	14.58		
MW-30S	1247		3.15	12.10		
MW-30I	1244		2.99	18.10		
MW-30D	1242		2.94	N/A		
MW-31s	1430		4.88			
MW-32s	1432		4.95		Product on Probe	
MW-33s	1439		5.84			
MW-34s	1436		5.11			
MW-35s	1438		4.44			

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

Scott Middlebrook 4-6-09
SIGNED DATE

J Overvoorde 4/30/09
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	4-6-09
PROJECT NUMBER:	6527.35	AUTHOR:	Scot Middlebrook, Scott Pawl

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
SW-D-1	1630		1.83			
SW-D-2	1617		2.07	(Dup01)		
SW-D-3	1600		1.65			
SW-D-4	1415		0.94			
SW-D-5	1322		3.01			
SW-R-1	1333		2.35			
SW-R-2	1342		2.48			
SW-R-3	1351		1.70			
SW-R-4	1400		2.32			
SW-R-5	1539		1.56			
SW-R-6	1515		NM			
DRC-2	1310		1.72			
SG-R2	1443		2.34			

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

Scott Middlebrook 4-6-09
SIGNED DATE

D Vernoarde 4/30/09
CHECKED DATE

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	Oakton pH 20 / EC	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	~~RMT GR~~ CEC	DATE:	4-7-09

PH CALIBRATION CHECK

pH 7 (LOT #): 5282-10 (EXP. DATE): 10/23/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 8260-23 (EXP. DATE): 9/18/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
8.00 / 7.00	3.89 / 4.00	☑ WITHIN RANGE	0807
7.24 / 7.00	3.94 / 4.00	☑ WITHIN RANGE	1248
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2806482 (EXP. DATE): June 2009 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1550 / 1413	9.00	☑ WITHIN RANGE	0810
1388 / 1413	17.70	☐ WITHIN RANGE	1249
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 5258 ORP (EXP. DATE): 9/22/09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
152 /	8.28	☑ WITHIN RANGE	0811
126 /	16.74	☐ WITHIN RANGE	1251
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
12.37	☑ WITHIN RANGE	0814
13.14	☑ WITHIN RANGE	1252
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 4020 (EXP. DATE): 20.0 POST-CAL. READING / STANDARD	(LOT #): 4007 (EXP. DATE): 0.0 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
10 / 9.8	/ 0.95	☑ WITHIN RANGE	0815
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	**CALIBRATION RANGES (1)**
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

S. Pudding — 4-7-09
SIGNED — DATE

dDvenoorde — 4/30/09
CHECKED BY — DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556 MPS	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	RMT GR	DATE:	4-7-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8AC002 (EXP. DATE): 03/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 8260-23 (EXP. DATE): 9-18-10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
6.99 / 7.00	4.01 / 4.00	☐ WITHIN RANGE	801
7.03 / 7.00	4.13 / 4.00	☐ WITHIN RANGE	1320
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2806432 (EXP. DATE): 6-09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
981 / 980	8.98	☐ WITHIN RANGE	0804
1013 / 1018	10.16	☐ WITHIN RANGE	1325
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 8256-01 (EXP. DATE): 9-22-09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
227.9 / 228	8.78	☐ WITHIN RANGE	0808
227.7 / 228	11.12	☐ WITHIN RANGE	1329
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
11.58	☐ WITHIN RANGE	0815
10.42	☐ WITHIN RANGE	1334
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 4020 (EXP. DATE): 20.0 POST-CAL. READING / STANDARD	(LOT #): 4007 (EXP. DATE): 0.0 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
19 / 20	0 / 0	☐ WITHIN RANGE	0812
19 / 20	0 / 0	☐ WITHIN RANGE	1323
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	**CALIBRATION RANGES (1)**
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED: [signature] DATE: 4-7-09

CHECKED BY: [signature] DATE: 4/30/09

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	QEO MP20	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	~~RMT GP~~ LEC	DATE:	4-8-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8252-10 (EXP. DATE): 10/29/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 8260-23 (EXP. DATE): 9/19/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
6.96 / 7.00	4.09 / 4.00	☑ WITHIN RANGE	0750
7.07 / 7.00	4.18 / 4.00	☑ WITHIN RANGE	1357
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2806432 (EXP. DATE): June 2009 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1459 / 1413	11.22	☑ WITHIN RANGE	0752
1379 / 1413	20.85	☑ WITHIN RANGE	1359
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 8256001 (EXP. DATE): 9/22/09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
143	10.09	☑ WITHIN RANGE	0753
106	26.70	☑ WITHIN RANGE	1401
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
11.51	☑ WITHIN RANGE	0755
9.65	☑ WITHIN RANGE	1403
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 4020 (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): 4007 (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
10 / 9.8	/ / 0.98	☑ WITHIN RANGE	0754
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):	☐ STANDARD SOLUTION (S) LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK
CALIBRATED PARAMETERS	**CALIBRATION RANGES (1)**
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	(1) CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

S. Pavlitzky 4-8-09
SIGNED DATE

dDremoarde 4/30/09
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME: LE Carpenter	MODEL: YSI 556 MPS	SAMPLER: SM/SP	
PROJECT NO.: 6527.35	SERIAL #: RMT GR	DATE: 4-8-09	

PH CALIBRATION CHECK

pH 7 (LOT #): 8AC002 (EXP. DATE): 03/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 8260-23 (EXP. DATE): 9-18-10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
6.92 / 7.00	3.96 / 4.00	☐ WITHIN RANGE	0758
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2806432 (EXP. DATE): 06/09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
823 / 792	2.00	☐ WITHIN RANGE	0801
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 8256-01 (EXP. DATE): 9-22-09 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
250.1 / 228	2.00	☐ WITHIN RANGE	0804
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
11.76	☐ WITHIN RANGE	0805
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): 4020 (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): 4007 (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
19 / 20	0 / 0	☐ WITHIN RANGE	0806
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

COMMENTS

☐ AUTOCAL SOLUTION (LOT #): (EXP. DATE):

☐ STANDARD SOLUTION (S): LIST LOT NUMBERS AND EXPIRATION DATES UNDER CALIBRATION CHECK

CALIBRATED PARAMETERS	CALIBRATION RANGES [1]
☐ pH	pH: +/- 0.2 S.U.
☐ COND	COND: +/- 1% OF CAL. STANDARD
☐ ORP	ORP: +/- 25 mV
☐ D.O.	D.O.: VARIES
☐ TURB	TURB: +/- 5% OF CAL. STANDARD
☐ _____	[1] CALIBRATION RANGES ARE SPECIFIC TO THE MODEL OF THE WATER QUALITY METER
☐ _____	

NOTES

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

SIGNED [signature] DATE 4-8-09

CHECKED BY [signature] DATE 4/30/09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: JO	DATE: 4/30/09

SAMPLE ID: D12C-02

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

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

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

PURGING	TIME:	DATE:
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	

SAMPLE	TIME: 1310	DATE: 4-6-09
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:	FILTRATE ODOR:	
QC SAMPLE:	☐ MS/MSD ☐ DUP-	
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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 702871	SIGNATURE: S. Pauly	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: DD	DATE: 4/30/09

SAMPLE ID: SW-D-S

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1322	DATE: 4-6-09
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 ☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202871	SIGNATURE: S Pawlitz	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: DO	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1333	DATE: 4-6-09

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

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: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: CA3 P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: →
COC NUMBER: 202871	SIGNATURE: S Pauly	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE 4-6-09	BY: DD	DATE: 4/30/09

SAMPLE ID: SW-R-2

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1342	DATE: 4-6-09
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 ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR:	FILTRATE ODOR:	
			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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or <= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S Pauly	DATE SIGNED: 4/16/09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: DO	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1351	DATE: 4-6-09

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

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: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: LA3 P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S Pawlitz	DATE SIGNED: 4/16/09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: dO	DATE: 4/30/09

SAMPLE ID: SW-R-4

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER ND

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1400	DATE: 4-6-09

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 ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	FILTRATE COLOR: / FILTRATE ODOR:
	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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: CAS P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202674	SIGNATURE: S Pauldy	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: dD	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1415	DATE: 4-6-09

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

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: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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/V	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S Pauling	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 4-6-09	BY: dO	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1515	DATE: 4-6-09

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 ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	FILTRATE COLOR: / FILTRATE ODOR:
	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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S Pawlby	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: do	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1539	DATE: 4-6-09

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

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: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: LA3 P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S. Pavlitzky	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: JD	DATE: 4/30/09

SAMPLE ID: SW-D-3

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:
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	

SAMPLE	TIME: 1600	DATE: 4-6-09
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:	FILTRATE ODOR:	
QC SAMPLE:	☐ MS/MSD ☐ DUP-	
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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: CA3 P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S. Pandy	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: dD	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1617	DATE: 4-6-09

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

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: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
6 ~~3~~	40 mL	VOA	E	☐ Y ☑ N					☐ Y ☐ N
4 ~~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: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S Pendley	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-6-09	BY: do	DATE: 4/30/09

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

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

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 1630	DATE: 4-6-09

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

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: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☐ DUP- ____

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

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

pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or </= TEMP.: +/-

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
3	40 mL	VOA	E	☐ Y ☑ N					☐ 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: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S Pambtji	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dD	DATE: 4/30/09

SAMPLE ID: MW-19-12 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 0840	DATE: 4-7-09	SAMPLE	TIME: 0925	DATE: 4-7-09
PURGE METHOD:	☑ PUMP Blooner ☐ BAILER		PH: 7.59 SU	CONDUCTIVITY: 621 umhos/cm	
			ORP: 18 mV	DO: 9.60 mg/L	
DEPTH TO WATER: 7.90 T/ PVC			TURBIDITY: 7.18 NTU		
DEPTH TO BOTTOM: 16.70 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 5.70 ☑ LITERS ☐ GALLONS			TEMPERATURE: 9.29 °C	OTHER: —	
VOLUME REMOVED: 18 ☑ LITERS ☐ GALLONS			COLOR: clr	ODOR: No	
COLOR: clr. ODOR: NO			FILTRATE (0.45 um) ☑ YES ☐ NO		
37.3 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: No	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Alk: 70 CO_2: 6.0 Fe: 0.0		

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)
0840	400	6.12	599	83	9.80	37.3	8.58	7.90	INITIAL
0845		6.81	577	30	9.61	61.7	9.29	7.90	2
0850		7.19	563	24	9.63	43.7	9.29	7.90	4
0855		7.41	560	22	9.64	30.8	9.27	7.90	6
0900		7.42	570	20	9.61	19.5	9.26	7.90	8
0905		7.51	587	20	9.60	14.3	9.26	7.90	10
0910		7.55	604	19	9.60	11.6	9.29	7.90	12
0915		7.53	616	19	9.60	8.53	9.25	7.90	14
0920		7.55	619	18	9.59	7.31	9.33	7.90	16
0925		7.59	621	18	9.60	7.18	9.29	7.90	18

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: Car P/U	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S. Pambley	DATE SIGNED: 4-18-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dd	DATE: 4/30/09

SAMPLE ID: MW-19-7 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ ~~PVC~~ ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1020	DATE: 4-7-09	SAMPLE	TIME: 1100	DATE: 4-7-09
PURGE METHOD:	☑ PUMP BLADDER ☐ BAILER		PH: 6.58 SU	CONDUCTIVITY: 5120 umhos/cm	
			ORP: -14 mV	DO: 4.24 mg/L	
DEPTH TO WATER: 8.20 T/ PVC			TURBIDITY: 28.10 NTU		
DEPTH TO BOTTOM: 20.25 T/ PVC			☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 7.42 ☑ LITERS ☐ GALLONS			TEMPERATURE: 9.00 °C	OTHER:	
VOLUME REMOVED: 16 ☑ LITERS ☐ GALLONS			COLOR: clr/blk floaties	ODOR: NO	
COLOR: clr, blk. floaties ODOR: NO			FILTRATE (0.45 um) ☑ YES ~~☑ NO~~		
10.10 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☒ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Alk: 40 CO_2: 18.0 Fe: 2.0		

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	400	7.30	4360	65	5.27	10.10	8.16	8.20	INITIAL
1025		6.85	4980	60	3.58	35.40	8.75	8.20	2
1030		6.61	4980	37	3.82	22.40	8.99	8.20	4
1035		6.60	5040	24	3.87	29.10	8.96	8.20	6
1040		6.61	5090	14	4.02	30.0	8.98	8.20	8
1045		6.58	5140	3	4.36	28.20	9.00	8.20	10
1050		6.58	5180	-2	4.21	27.10	8.94	8.20	12
1055		6.59	5190	-10	4.23	29.30	9.03	8.20	14
1100		6.58	5120	-14	4.24	28.10	9.00	8.20	16

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
10 5	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					☐ Y ☐ N

SHIPPING METHOD: LAB F/V	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202872	SIGNATURE: S. Pankey	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: DD	DATE: 4/30/09

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

WELL MATERIAL: ☑ PVC ☑ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1313	DATE: 4-7-09	SAMPLE	TIME: 1343	DATE: 4-7-09
PURGE METHOD:	☑ PUMP Bladder ☐ BAILER		PH: 6.46 SU	CONDUCTIVITY: 258 umhos/cm	
			ORP: -39 mV	DO: 2.69 mg/L	
DEPTH TO WATER: 8.87 T/ PVC			TURBIDITY: 8.65 NTU		
DEPTH TO BOTTOM: 19.50 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 6.89 ☑ LITERS ☐ GALLONS			TEMPERATURE: 9.88 °C	OTHER:	
VOLUME REMOVED: 12 ☑ LITERS ☐ GALLONS			COLOR: clr	ODOR: NO	
COLOR: Cloudy/orange Floats ODOR: NO			FILTRATE (0.45 um) ☑ YES	☑ NO	
190 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Alk: 70, CO_2: 25, Fe: 0.6		

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)
1313	400	6.07	2500	27	6.16	190	9.15	8.87	INITIAL
1318		6.35	292	-2	3.05	47.2	9.89	8.95	2
1323		6.40	276	-16	2.94	26.2	9.87	8.95	4
1328		6.43	268	-23	2.79	17.8	9.87	8.95	6
1333		6.45	262	-30	2.74	14.9	9.88	8.95	8
1338		6.47	261	-34	2.70	10.88	9.81	8.95	10
1343		6.46	258	-39	2.69	8.65	9.88	8.95	12

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or **</= 10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: FEDEX	DATE SHIPPED: 4-7-09	AIRBILL NUMBER:
COC NUMBER: 202873	SIGNATURE: S. Pandey	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dD	DATE: 4/30/09

SAMPLE ID: MW-25R
WELL DIAMETER: [✓] 2" [ ] 4" [ ] 6" [ ] OTHER
WELL MATERIAL: [✓] PVC [✓] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER
SAMPLE TYPE: [✓] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1406	DATE: 4-7-09	SAMPLE	TIME: 1456	DATE: 4-7-09
PURGE METHOD: [X] PUMP ~~Peristaltic~~ QED Portable Bladder; [ ] BAILER			PH: 7.11 SU	CONDUCTIVITY: 376 umhos/cm	
			ORP: -40.0 mV	DO: 0.58 mg/L	
DEPTH TO WATER: 2.33 T/ PVC			TURBIDITY: 8 NTU		
DEPTH TO BOTTOM: 9.65 T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 4.74 [X] LITERS [ ] GALLONS			TEMPERATURE: 6.48 °C	OTHER:	
VOLUME REMOVED: 20.0 [X] LITERS [ ] GALLONS			COLOR: clr w/ dark floaters	ODOR: no	
COLOR: cloudy Lt Gray ODOR: ~~Lt Gray~~ none			FILTRATE (0.45 um) [✓] YES ~~[ ] NO~~		
TURBIDITY 226			FILTRATE COLOR: clr	FILTRATE ODOR: no	
[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] 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)
1406	400	7.28	556	18.0	1.55	226	7.36	2.33	INITIAL
1411		7.03	435	-10.4	0.23	186	6.99	2.39	2.0
1416		6.75	423	-23.4	0.23	86	6.76	2.40	4.0
1421		7.10	414	-31.4	0.53	27	6.64	2.44	6.0
1426		7.16	401	-34.4	0.71	17	6.59	2.46	8.0
1431		7.09	388	-36.1	0.83	54	6.52	2.50	10.0
1436		7.06	380	-37.0	0.99	38	6.49	2.53	12.0
1441		7.08	376	-36.6	0.96	20	6.46	2.55	14.0
1446		7.09	376	-38.3	0.84	11	6.46	2.58	16.0
1451	↓	7.11	375	-38.9	0.72	14	6.47	2.60	18.0

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD: Fed EX	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202873	SIGNATURE: Scott Mulcahy	DATE SIGNED: 4-7-09

REVISED 03/2008

RMT WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dO	DATE: 4/30/09

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)
1456	400	7.11	376	-40.0	0.58	8	6.48	2.63	20.0
		Ferrous - 2		Alk - 70ppm		CO_2 - 7			

SIGNATURE: [signature]

DATE SIGNED: 4-7-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 4-7-09	BY: JD	DATE: 4/30/09

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

WELL MATERIAL: [✓] ~~PVC~~ [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

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

PURGING	TIME: 1420	DATE: 4-7-09

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 8.05 T/ PVC

DEPTH TO BOTTOM: 16.05 T/ PVC

WELL VOLUME: 19.84 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 20 [X] LITERS [ ] GALLONS

COLOR: Cloudy / Blk. Flocks ODOR: NO

58.8 TURBIDITY

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

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER

SAMPLE	TIME: 1510	DATE: 4-7-09

PH: 6.22 SU CONDUCTIVITY: 2580 umhos/cm

ORP: -8 mV DO: 2.64 mg/L

TURBIDITY: 8.44 NTU

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

TEMPERATURE: 10.08 °C OTHER:

COLOR: clr ODOR: NO

FILTRATE (0.45 um) [X] YES [✓] NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

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

COMMENTS: Alk: 70 CO_2: 18.0 Fe: 0.4

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)
1420	400	6.46	2370	~~6.84~~ -21	6.84	58.8	10.06	8.05	INITIAL
1425		6.26	2520	-18	2.09	49.8	10.34	8.30	2
1430		6.15	2560	-16	1.03	58.5	10.28	8.35	4
1435		6.13	2600	-15	0.89	51.6	10.26	8.35	6
1440		6.21	2620	-15	0.90	41.4	10.26	8.35	8
1445		6.21	2630	-14	1.00	30.6	10.21	8.35	10
1450		6.21	2650	-13	1.43	21.6	10.22	8.35	12
1455		6.23	2630	-11	1.49	16.1	10.20	8.35	14
1500		6.23	2570	-10	2.56	11.7	10.09	8.35	16
1505		6.26	2540	-10	2.63	10.63	10.07	8.35	18

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or **</= 10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD:	FEDEX	DATE SHIPPED:	4-7-09	AIRBILL NUMBER:	—
COC NUMBER:	202873	SIGNATURE:	S. Pavlatos	DATE SIGNED:	4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 4-7-09	BY: dO	DATE: 4/30/09

SAMPLE ID: MW-19-4

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)
1510	400	6.22	2580	-8	2.64	8.44	10.08	8.35	20

SIGNATURE: S. Pawlowski

DATE SIGNED: 4/6-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: DD	DATE: 4/30/09

SAMPLE ID: GEI-25 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1548	DATE: 4-7-09	SAMPLE	TIME: 1623	DATE: 4-7-09
PURGE METHOD:	☒ PUMP BLADDER ☐ BAILER		PH: 6.83 SU	CONDUCTIVITY: 536 umhos/cm	
			ORP: -13 mV	DO: 3.95 mg/L	
DEPTH TO WATER: 10.20 T/ PVC			TURBIDITY: 5.32 NTU		
DEPTH TO BOTTOM: 19.61 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 6.10 ☑ LITERS ☐ GALLONS			TEMPERATURE: 8.97 °C	OTHER:	
VOLUME REMOVED: 14 ☑ LITERS ☐ GALLONS			COLOR: clr	ODOR: NO	
COLOR: Cloudy	ODOR: NO		FILTRATE (0.45 um) ☑ YES ☑ NO		
10.37 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Alk: 60 CO_2: 16 Fe: 0.0		

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)
1548	400	7.01	470	-28	7.74	103.7	8.37	10.20	INITIAL
1553		6.68	507	-23	5.61	191	8.65	11.80	2
1558		6.53	526	-19	4.94	89.0	8.83	12.55	4
1603		6.68	524	-19	4.59	40.6	8.92	15.10	6 pump
1608		6.56	519	-18	4.52	29.1	8.93	15.10	8
1613		6.56	533	-16	4.10	11.1	8.96	15.10	10
1618		6.52	534	-14	3.90	7.20	8.97	15.10	12
1623		6.53	535	-13	3.95	5.32	8.97	15.10	14

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: FEDEX	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202873	SIGNATURE: S. Pamelly	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: [illegible]	DATE: 4/30/09

SAMPLE ID: MW-29s
WELL DIAMETER: [✓] 2" [ ] 4" [ ] 6" [ ] OTHER
WELL MATERIAL: [●] PVC [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER
SAMPLE TYPE: [✓] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1554	DATE: 4-7-09
PURGE METHOD:	[X] PUMP Portable Bladder / [ ] BAILER	
DEPTH TO WATER: 7.42 T/ PVC		
DEPTH TO BOTTOM: 14.58 T/ PVC		
WELL VOLUME: 4.64	[X] LITERS [ ] GALLONS	
VOLUME REMOVED: 14.0	[X] LITERS [ ] GALLONS	
COLOR: clr dark floaters	ODOR: slight	
TURBIDITY 87		
[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER		

SAMPLE	TIME: 1629	DATE: 4-7-09
PH: 7.09 SU	CONDUCTIVITY: 578 umhos/cm	
ORP: -89.7 mV	DO: 0.05 mg/L	
TURBIDITY: 8 NTU		
[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
TEMPERATURE: 9.13 °C	OTHER:	
COLOR: clr	ODOR: no	
FILTRATE (0.45 um) [✓] YES ~~[ ] NO~~		
FILTRATE COLOR: clr	FILTRATE ODOR: no	
QC SAMPLE: [ ] MS/MSD	[ ] DUP-	
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)
1554	400	6.89	580	-36.7	2.10	87	9.14	7.42	INITIAL
1559		7.01	587	-53.5	0.90	163	9.11	7.60	2.0
1604		7.02	587	-71.8	0.36	71	9.16	7.60	4.0
1609		7.06	584	-77.9	0.17	38	9.13	7.60	6.0
1614		7.07	581	-81.0	0.10	19	9.08	7.60	8.0
1619		7.07	579	-84.1	0.07	13	9.07	7.60	10.0
1624		7.05	578	-87.1	0.06	10	9.10	7.60	12.0
1629	↓	7.09	578	-89.7	0.05	8	9.13	7.60	14.0
		Ferrous >20		ALK-350		CO_2-	70		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 4-7-09	AIRBILL NUMBER: —
COC NUMBER: 202873	SIGNATURE: Scott Mitchell	DATE SIGNED: 4-7-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: DO	DATE: 4/30/09

SAMPLE ID: MW-27S

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

WELL MATERIAL: [✓] PVC [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

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

PURGING	TIME: 1721	DATE: 4-7-09	SAMPLE	TIME: 1330	DATE: 4-8-09

PURGE METHOD: [X] PUMP Peristaltic [ ] BAILER

DEPTH TO WATER: 9.02 T/ PVC

DEPTH TO BOTTOM: 13.05 T/ PVC

WELL VOLUME: 2.61 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 4.8 [X] LITERS [ ] GALLONS

COLOR: clr ODOR: none

TURBIDITY 8

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

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER

PH: 8.20 SU CONDUCTIVITY: 486 umhos/cm

ORP: -71.0 mV DO: 1.55 mg/L

TURBIDITY: 62 NTU

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

TEMPERATURE: 9.08 °C OTHER:

COLOR: Lt. Brn ODOR: no

FILTRATE (0.45 um) [X] YES ~~[✓] NO~~

FILTRATE COLOR: clr FILTRATE ODOR: no

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

COMMENTS: PH & ~~DO~~ higher than normal.

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)
1721	400	8.64	464	-52.0	2.65	8	9.12	9.02	INITIAL
1726	↓	8.37	465	-66.8	2.90	95	9.08	11.30	2.0
1731		8.20	486	-71.0	1.55	62	9.08	12.16	4.0
1733	↓	pumped dry							4.8
4-8-09 sample 1330									
4-9-09 sample 0710									
			Ferrous- 0.6		Alk-150		CO_2 -15		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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 4-9	500mL	PLASTIC	A	[ ] Y [✓] N
1	40 mL	VOA	C	[ ] Y [✓] N	1 4-9	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1 4-9	125 mL	PLASTIC	F	[ ] Y [✓] N					[ ] Y [ ] N

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202875	SIGNATURE: [signature]	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: JO	DATE: 4/30/09

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

WELL MATERIAL: ☑ ~~PVC~~ ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 0800	DATE: 4-8-09	SAMPLE	TIME: 0825	DATE: 4-8-09

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

DEPTH TO WATER: 8.96 T/ PVC

DEPTH TO BOTTOM: 16.60 T/ PVC

WELL VOLUME: 18.94 ☒ LITERS ☐ GALLONS

VOLUME REMOVED: 10 ☒ LITERS ☐ GALLONS

COLOR: clr / Blk. Floaties ODOR: yes

9.62 TURBIDITY

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 6.33 SU CONDUCTIVITY: 1200 umhos/cm

ORP: -173 mV DO: 0.32 mg/L

TURBIDITY: 7.05 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 9.20 °C OTHER:

COLOR: clr. ODOR: yes

FILTRATE (0.45 um) ☒ YES ☑ NO

FILTRATE COLOR: clr FILTRATE ODOR: yes

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk: 100 CO_2: 40 Fe: 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)
0800	400	5.66	1182	-25	7.85	9.62	7.50	8.96	INITIAL
0805	↓	6.17	1157	-93	1.68	8.75	9.15	9.12	2
0810		6.27	1175	-134	0.72	8.37	9.22	9.30	4
0815		6.31	1192	-153	0.46	8.46	9.21	9.40	6
0820		6.32	1195	-163	0.34	7.10	9.21	10.60	8
0825		6.33	1200	-173	0.32	7.05	9.20	10.70	10

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: LAB P/U ~~202874~~	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S. Pawlikowski	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: DD	DATE: 4/30/09

SAMPLE ID: MW-8 WELL DIAMETER: [ ] 2" [X] 4" [ ] 6" [ ] OTHER

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

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

PURGING	TIME: 0814	DATE: 4-8-09	SAMPLE	TIME: 0844	DATE: 4-8-09

PURGE METHOD: [X] PUMP Portable Bladder [ ] BAILER

DEPTH TO WATER: 2.60 T/ PVC

DEPTH TO BOTTOM: 20.23 T/ PVC

WELL VOLUME: 11.42 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 12.0 [X] LITERS [ ] GALLONS

COLOR: Lt Brn ODOR: no

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

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER

PH: 7.16 SU CONDUCTIVITY: 268 umhos/cm

ORP: 12.3 mV DO: 0.10 mg/L

TURBIDITY: 39 NTU

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

TEMPERATURE: 8.11 °C OTHER:

COLOR: Lt Brn ODOR: no

FILTRATE (0.45 um) [X] YES ~~[ ] NO~~

FILTRATE COLOR: Clr FILTRATE ODOR: no

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

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)
0814	400	6.43	290	111.2	0.28	156	7.86	2.60	INITIAL
0819		6.69	273	68.2	0.04	43	8.11	3.06	2.0
0824		6.71	271	49.7	0.04	40	8.03	3.09	4.0
0829		6.46	271	38.8	0.06	39	8.05	3.09	6.0
0834		7.10	270	30.5	0.11	38	8.15	3.10	8.0
0839		7.07	269	21.1	0.08	38	8.16	3.10	10.0
0844		7.16	268	12.3	0.10	39	8.11	3.11	12.0
		Ferrous > 20		Alk	160 ppm	CO_2 - 60			

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: NA
COC NUMBER: 202874	SIGNATURE: Scott Mahlke	DATE SIGNED: 4-8-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY:	DATE: 4/30/09

SAMPLE ID: ATM-01

WELL DIAMETER: [x] 2" [ ] 4" [ ] 6" [x] OTHER NA

WELL MATERIAL: [x] PVC [ ] SS [ ] IRON [ ] GALVANIZED STEEL [x] OTHER NA

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

PURGING	TIME:	DATE:	SAMPLE	TIME: 0910	DATE: 4-8-09

PURGE METHOD: [ ] PUMP [ ] BAILER

DEPTH TO WATER: T/ PVC

DEPTH TO BOTTOM: T/ PVC

WELL VOLUME: NA [ ] LITERS [ ] GALLONS

VOLUME REMOVED: [ ] LITERS [ ] GALLONS

COLOR: ODOR:

TURBIDITY [ ] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [ ] OTHER

PH: SU CONDUCTIVITY: umhos/cm

ORP: mV DO: mg/L

TURBIDITY: NTU

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

TEMPERATURE: NA °C OTHER:

COLOR: ODOR:

FILTRATE (0.45 um) [ ] YES [x] NO

FILTRATE COLOR: FILTRATE ODOR:

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

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.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202874	SIGNATURE: [signature]	DATE SIGNED: 4-8-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: JO	DATE: 4/30/09

SAMPLE ID: MW-19-5 WELL DIAMETER: [x] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [x] PVC [ ] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

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

PURGING	TIME: 0900	DATE: 4-8-09	SAMPLE	TIME: 0930	DATE: 4-8-09

PURGE METHOD: [x] PUMP Blanden [ ] BAILER

DEPTH TO WATER: 8.65 T/ PVC

DEPTH TO BOTTOM: 15.59 T/ PVC

WELL VOLUME: 4.50 [x] LITERS [ ] GALLONS

VOLUME REMOVED: 12 [ ] LITERS [ ] GALLONS

COLOR: Cloudy ODOR: Slight

77.4 TURBIDITY

[ ] NONE [ ] SLIGHT [x] MODERATE [ ] VERY

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [x] OTHER

PH: 6.19 SU CONDUCTIVITY: 383 umhos/cm

ORP: -86 mV DO: 4.67 mg/L

TURBIDITY: 9 NTU

[x] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY

TEMPERATURE: 8.52 °C OTHER:

COLOR: Clr ODOR: Slight

FILTRATE (0.45 um) [ ] YES [x] NO

FILTRATE COLOR: Clr ~~FILTRATE ODOR:~~ No

QC SAMPLE: [ ] MS/MSD [x] DUP- 02

COMMENTS: Alk: 70 CO_2: 19 Fe: 0.6

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	400	6.89	395	-133	9.95	77.4	6.67	8.65	INITIAL
0905	↓	6.22	382	-117	6.67	173	8.02	8.72	2
0910		6.21	381	-104	6.05	70.4	8.21	8.85	4
0915		6.08	379	-95	5.52	31.7	8.23	8.85	6
0920		6.12	381	-90	5.24	14.5	8.33	8.85	8
0925		6.13	383	-86	4.77	9.57	8.30	8.85	10
0930	↓	6.19	383	-86	4.67	9.00	8.52	8.45	12

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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

SHIPPING METHOD: LAB P/U	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S. Pauletty	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 4-8-09	BY: JD	DATE: 4/30/09

SAMPLE ID: MW-28i
WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER
WELL MATERIAL: ☑ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 0952	DATE: 4-8-09	SAMPLE	TIME: 1107	DATE: 4-8-09
PURGE METHOD:	☒ PUMP Portable Bladder ☐ BAILER		PH: 6.35 SU	CONDUCTIVITY: 407 umhos/cm	
			ORP: -29.1 mV	DO: 0.05 mg/L	
DEPTH TO WATER: 5.37 T/ PVC			TURBIDITY: 20 NTU		
DEPTH TO BOTTOM: 22.81 T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 11.30 ☒ LITERS ☐ GALLONS			TEMPERATURE: 9.97 °C	OTHER:	
VOLUME REMOVED: 30.0 ☒ LITERS ☐ GALLONS			COLOR: Clr w/ floaters	ODOR: no	
COLOR: Lt. Gray	ODOR: no		FILTRATE (0.45 um) ☑ YES ~~☐ NO~~		
TURBIDITY 104			FILTRATE COLOR: clr	FILTRATE ODOR: no.	
☐ 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)
0952	400	6.95	375	41.0	2.52	104	8.51	5.37	INITIAL
0957		6.41	397	27.6	0.21	373	9.32	5.39	2.0
1002		6.40	401	28.1	0.13	287	9.48	5.39	4.0
1007		6.40	401	20.0	0.09	210	9.45	5.40	6.0
1012		6.39	401	9.1	0.07	151	9.43	5.40	8.0
1017		6.41	401	-1.6	0.06	118	9.44	5.40	10.0
1022		6.40	403	-10.8	0.06	83	9.54	5.40	12.0
1027		6.38	403	-17.1	0.05	57	9.74	5.40	14.0
1032		6.38	403	-22.5	0.05	47	9.92	5.40	16.0
1037		6.39	402	-25.2	0.05	40	9.71	5.40	18.0

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

pH: +/- 10 % COND.: +/- 10 % ORP: +/- 10 % D.O.: +/- 10 % TURB: +/- 10 % or <= 5 TEMP.: +/- 0.5°C

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40ml	VOA	E	☐ Y ☒ N	2	1L	Amber	F	☐ Y ☒ N
1	40ml	VOA	A	☐ Y ☒ N	1	500ml	Plst.	A	☐ Y ☒ N
1	40ml	VOA	C	☐ Y ☒ N	1	500ml	Plst.	B	☒ Y ☐ N
2	1L	Glass	C	☐ Y ☒ N	1	1L	Plst	A	☐ Y ☒ N
1	125ml	Plst.	F	☐ Y ☒ N					☐ Y ☐ N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: NA
COC NUMBER: 202874	SIGNATURE: [signature]	DATE SIGNED: 4-8-09

REVISED 03/2008

RMT WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: JD	DATE: 4/30/09

SAMPLE ID: MW-28i

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)
1042	400	6.36	404	-26.8	0.05	31	9.95	5.40	20.0
1047		6.38	405	-27.7	0.05	28	9.98	5.40	22.0
1052		6.39	405	-31.0	0.06	25	9.91	5.40	24.0
1057		6.40	405	-28.5	0.06	22	9.85	5.40	26.0
1102		6.35	406	-28.9	0.05	21	9.97	5.40	28.0
1107		6.35	407	-29.1	0.05	20	9.97	5.40	30.0
			Ferrous > 20		Alk - 100		CO_2 - 60		

SIGNATURE: Scott Middleton

DATE SIGNED: 4-8-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: JD	DATE: 4/30/09

SAMPLE ID: MW-30D WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ ~~PVC~~ ☑ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1046	DATE: 4-8-09	SAMPLE	TIME: 1146	DATE: 4-8-09

PURGE METHOD: ☑ PUMP DEDICATED Bladder ☐ BAILER

DEPTH TO WATER: 2.90 T/ PVC

DEPTH TO BOTTOM: N/A T/ PVC

WELL VOLUME: N/A ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 24 ☑ LITERS ☐ GALLONS

COLOR: ORANGE ODOR: NO

+1000 TURBIDITY ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.03 SU CONDUCTIVITY: 608 umhos/cm

ORP: -197 mV DO: 0.18 mg/L

TURBIDITY: 14.0 NTU ☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.87 °C OTHER: —

COLOR: clr ODOR: NO

FILTRATE (0.45 um) ~~☑ YES~~ ☑ NO

FILTRATE COLOR: clr FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk: 80 CO_2: 13.0 Fe: 3.0

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)
1046	400	6.78	592	-59	8.25	+1000	9.22	2.90	INITIAL
1051	↓	6.62	590	-134	0.85	1748	10.89	~~3.35~~	2
1056		6.78	594	-166	0.50	110	10.67	~~5.22~~	4
1101		6.85	595	-178	0.32	65.0	10.93	-	6
1106		6.90	599	-184	0.22	41.9	10.82	3.00	8
1111		6.93	602	-186	0.22	35.4	10.92	3.00	10
1116		6.94	603	-189	0.20	28.3	10.80	3.00	12
1121		6.97	603	-192	0.21	23.7	10.86	3.00	14
1126		6.95	604	-193	0.19	23.0	10.90	3.00	16
1131	↓	7.00	604	-193	0.19	21.2	10.77	3.00	18

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: LAB P/O	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: —
COC NUMBER: 202874	SIGNATURE: S. Pawlikowski	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: dw	DATE: 4/30/09

SAMPLE ID: MW-30D

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)
1136	400	7.00	603	-195	0.19	14.1	10.86	3.00	20
1141		7.03	608	-196	0.18	14.0	10.95	3.00	22
1146		7.03	608	-197	0.18	14.0	10.87	3.00	24

SIGNATURE: S Parabhy

DATE SIGNED: 4-16-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: DO	DATE: 4/30/09

SAMPLE ID: MW-285 WELL DIAMETER: [✓] 2" [ ] 4" [ ] 6" [ ] OTHER

WELL MATERIAL: [✓] PVC [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

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

PURGING	TIME: 1144	DATE: 4-8-09	SAMPLE	TIME: 1234	DATE: 4-8-09
PURGE METHOD: [X] PUMP Portable Bladder [ ] BAILER			PH: 6.75 SU	CONDUCTIVITY: 392 umhos/cm	
			ORP: -76.6 mV	DO: 0.06 mg/L	
DEPTH TO WATER: 5.88 T/ PVC			TURBIDITY: 9 NTU		
DEPTH TO BOTTOM: 17.63 T/ PVC			[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 7.61 [X] LITERS [ ] GALLONS			TEMPERATURE: 9.26 °C	OTHER:	
VOLUME REMOVED: 18.0 [X] LITERS [ ] GALLONS			COLOR: clr.	ODOR: slight	
COLOR: Cloudy ODOR: ~~[illegible]~~ yes			FILTRATE (0.45 um) [X] YES ~~[ ] NO~~		
100 TURBIDITY [ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY			FILTRATE COLOR: clr	FILTRATE ODOR: slight	
			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] 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)
1144	400	7.52	375	-23.7	0.44	100	8.44	5.88	INITIAL
1149		7.31	382	-32.3	0.18	337	8.85	5.88	2.0
1154		7.12	384	-38.1	0.13	168	8.89	5.88	4.0
1159		6.97	384	-41.5	0.09	88	8.85	5.88	6.0
1204		6.96	387	-44.4	0.06	51	9.00	5.88	8.0
1209		6.87	386	-48.9	0.05	51	8.91	5.88	10.0
1214		Ran	out of	CO_2.	Swap	tanks.			~~12.0~~
1219		6.78	387	-58.7	0.12	26	8.79	5.88	12.0
1224		6.80	388	-64.0	0.10	18	8.86	5.88	14.0
1229		6.76	390	-72.2	0.07	11	9.15	5.88	16.0

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: NA
COC NUMBER: 202874	SIGNATURE: [signature]	DATE SIGNED: 4-8-09

REVISED 03/2008

RMT WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 4-8-09	BY: dD	DATE: 4/30/09

SAMPLE ID: MW-28S

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)
1234	400	6.75	392	-76.6	0.06	9	9.26	5.88	18.0
		Ferrous > 20		ALK- 150		CO_2 40			

SIGNATURE: Scott Muldoon

DATE SIGNED: 4-8-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: dD	DATE: 4/30/09

SAMPLE ID: MW-30i WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ ~~PVC~~ ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1404	DATE: 4-8-09	SAMPLE	TIME: 1429	DATE: 4-8-09
PURGE METHOD:	☑ PUMP Blooder ☐ BAILER		PH: 6.73 SU	CONDUCTIVITY: 930 umhos/cm	
			ORP: -222 mV	DO: 0.32 mg/L	
DEPTH TO WATER: 2.92 T/ PVC			TURBIDITY: 5.70 NTU		
DEPTH TO BOTTOM: 18.10 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 9.84 ☑ LITERS ☐ GALLONS			TEMPERATURE: 8.75 °C	OTHER: —	
VOLUME REMOVED: 10 ☑ LITERS ☐ GALLONS			COLOR: clr	ODOR: No	
COLOR: clr ODOR: No			FILTRATE (0.45 um) ☒ YES ☑ ~~NO~~		
27.6 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: Alk: 50 CO_2: 32 Fe: 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)
1404	400	5.94	879	-68	6.26	27.6	9.27	2.92	INITIAL
1409	↓	6.44	941	-189	0.75	26.5	8.73	2.92	2
1414		6.53	937	-208	0.42	17.3	8.70	2.92	4
1419		6.66	933	-219	0.33	8.62	8.84	2.92	6
1424		6.71	932	-221	0.37	7.98	8.84	2.92	8
1429		6.73	930	-222	0.32	5.70	8.75	2.92	10

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or **</= 10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: FEDEX	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: —
COC NUMBER: 202876	SIGNATURE: S. Pawlak	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-8-09	BY: JO	DATE: 4/30/09

SAMPLE ID: MW-30S

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ ~~PVC~~ ☑ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1457	DATE: 4-8-09	SAMPLE	TIME: 1528	DATE: 4-8-09

PURGE METHOD: ☑ PUMP Blooper ☐ BAILER

DEPTH TO WATER: 3.2 T/ PVC

DEPTH TO BOTTOM: 12.10 T/ PVC

WELL VOLUME: 5.77 ☑ LITERS ☐ GALLONS

VOLUME REMOVED: 12 ☑ LITERS ☐ GALLONS

COLOR: Cloudy ODOR: NO

87.8 TURBIDITY

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☑ OTHER

PH: 6.94 SU CONDUCTIVITY: 956 umhos/cm

ORP: -238 mV DO: 0.17 mg/L

TURBIDITY: 9.47 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.67 °C OTHER:

COLOR: Clr ODOR: NO

FILTRATE (0.45 um) ☑ YES ~~☑ NO~~

FILTRATE COLOR: Clr FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk: 80 CO_2: 40 Fe: +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)
1457	400	6.96	827	-217	1.82	87.8	8.04	3.2	INITIAL
1503	↓	6.89	939	-231	0.71	146	7.65	3.2	2
1508		6.93	947	-235	0.45	81.9	7.66	3.2	4
1513		6.91	951	-235	0.33	48.7	7.62	3.2	6
1518		6.87	955	-233	0.23	20.7	7.59	3.2	8
1523		6.94	955	-236	0.19	11.6	7.59	3.2	10
1528		6.94	956	-238	0.17	9.47	7.67	3.2	12

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: FEDEX	DATE SHIPPED: 4-8-09	AIRBILL NUMBER: —
COC NUMBER: 202876	SIGNATURE: S Pandolfi	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-9-09	BY: JO	DATE: 4/30/09

SAMPLE ID: RB-01	WELL DIAMETER: ☑ 2"	☐ 4"	☐ 6"	☒ OTHER	N/A
WELL MATERIAL:	☑ ~~PVC~~	☐ SS	☐ IRON	☐ GALVANIZED STEEL	☒ OTHER N/A
SAMPLE TYPE:	☑ ~~GW~~	☐ WW	☐ SW	☒ DI	☐ LEACHATE ☐ OTHER

PURGING	TIME:	DATE:	SAMPLE	TIME: 0840	DATE: 4-9-09
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:	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 RMT pump #1 (old pump)									
used by S.M. during sampling.									

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or **</= 10** TEMP.: +/- **0.5°C**

BOTTLES FILLED		PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F -							
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					☐ Y ☐ N

SHIPPING METHOD: LAB P/U	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: —
COC NUMBER: 202879	SIGNATURE: S. Pawlak	DATE SIGNED: 4-16-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-9-09	BY: AO	DATE: 4/30/09

SAMPLE ID: RB-02

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☒ OTHER N/A

WELL MATERIAL: ~~☑ PVC~~ ☐ SS ☐ IRON ☐ GALVANIZED STEEL ☒ OTHER N/A

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

PURGING	TIME:	DATE:

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

SAMPLE	TIME: 0900	DATE: 4-9-09

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: _____ FILTRATE ODOR: _____

QC SAMPLE: ☐ MS/MSD ☐ DUP- _____

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 RMT Pump #2 (new pump)								
	used by S.P. during sampling.								

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: —
COC NUMBER: 202789	SIGNATURE: S Poulsby	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: JO	DATE: 4/30/09

SAMPLE ID: MW-33s

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

WELL MATERIAL: [✓] PVC [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER

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

PURGING	TIME: 0856	DATE: 4-7-09

PURGE METHOD: [X] PUMP Peristaltic [ ] BAILER

DEPTH TO WATER: 5.88 T/ PVC

DEPTH TO BOTTOM: N/A T/ PVC

WELL VOLUME: N/A [ ] LITERS [ ] GALLONS

VOLUME REMOVED: 1.9 [X] LITERS [ ] GALLONS

COLOR: clr. orange floaters ODOR: slight

76.8 TURBIDITY

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

DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER

SAMPLE	TIME: 0820	DATE: 4-9-09

PH: 6.79 SU CONDUCTIVITY: 577 umhos/cm

ORP: -39.4 mV DO: 0.61 mg/L

TURBIDITY: 38.6 NTU

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

TEMPERATURE: 5.86 °C OTHER:

COLOR: clr to LtBrn ODOR: slight

FILTRATE (0.45 um) [X] YES ~~[ ] NO~~

FILTRATE COLOR: clr FILTRATE ODOR: slight

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

COMMENTS: 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)
0856	400	6.64	670	-19.1	1.19	76.8	5.93	5.88	INITIAL
0901	300	6.79	590	-32.8	0.59	52.0	6.01	7.65	2.0
0906	300	6.79	577	-39.4	0.61	38.6	5.86	—	1.5
		Pumped dry 0907							
Sample 4-9-09 0820									
			Ferrous > 20		AlK - 350		CO_2 - 80		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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					[ ] Y [ ] N

SHIPPING METHOD: ~~Courier~~ LaB Pick	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202875	SIGNATURE: [signature]	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dO	DATE: 4/30/09

SAMPLE ID: MW-31S

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 0922	DATE: 4-7-09
PURGE METHOD:	☒ PUMP Peristaltic	☐ BAILER
DEPTH TO WATER: 4.76 T/ PVC		
DEPTH TO BOTTOM: N/A T/ PVC		
WELL VOLUME: N/A	☐ LITERS	☐ GALLONS
VOLUME REMOVED: 6.1	☒ LITERS	☐ GALLONS
COLOR: Gray w/ dark floaters	ODOR: slight	
TURBIDITY 242		
☐ NONE	☐ SLIGHT	☒ MODERATE ☐ VERY
DISPOSAL METHOD:	☐ GROUND	☐ DRUM ☒ OTHER

SAMPLE	TIME: 0910	DATE: 4-9-09
PH: 8.68 SU	CONDUCTIVITY: 540 umhos/cm	
ORP: -127.6 mV	DO: 0.16 mg/L	
TURBIDITY: 28 NTU		
☐ NONE	☒ SLIGHT	☐ MODERATE ☐ VERY
TEMPERATURE: 6.61 °C	OTHER:	
COLOR: Clr w/ dark floater	ODOR: slight	
FILTRATE (0.45 um)	☑ YES	~~☐ NO~~
FILTRATE COLOR: clr	FILTRATE ODOR: slight	
QC SAMPLE: ☐ MS/MSD	☐ DUP-	
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)
0922	300	7.78	561	-33.3	2.34	242	6.40	4.76	INITIAL
0927		7.96	555	-72.0	0.13	38	6.49	6.42	1.5
0932		~~8.08~~ 8.10	581	-103.1	0.23	48	6.84	7.36	3.0
0937		8.68	540	-127.6	0.16	28	6.61	8.63	4.5
0942	↓	pumped		dry					
sample 4-9-09 0910									
		Ferrous - 0.4			AlK-225		CO_2 - 18		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or **<= 10** TEMP.: +/- **0.5°C**

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

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					☐ Y ☐ N

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202875	SIGNATURE: Scott Mudd	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: JO	DATE: 4/30/09

SAMPLE ID: MW-32s
WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER
WELL MATERIAL: ☑ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER 4-8-09

PURGING	TIME: 0955	DATE: 4-7-09	SAMPLE	TIME: 1616	DATE: 4-9-09

PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER
DEPTH TO WATER: 4.96 T/ PVC
DEPTH TO BOTTOM: N/A T/ PVC
WELL VOLUME: N/A ☐ LITERS ☐ GALLONS
VOLUME REMOVED: 4.5 ☒ LITERS ☐ GALLONS
COLOR: clear/dark floaters ODOR: slight
52 TURBIDITY
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 6.61 SU CONDUCTIVITY: 659 umhos/cm
ORP: -132.8 mV DO: 0.29 mg/L
TURBIDITY: 12 NTU
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY
TEMPERATURE: 6.62 °C OTHER:
COLOR: Clr w/ dark floaters ODOR: yes
FILTRATE (0.45 um) ☒ YES ~~☐ NO~~
FILTRATE COLOR: Clr FILTRATE ODOR: Slight
QC SAMPLE: ☐ MS/MSD ☐ DUP-
COMMENTS: sheen in samples.

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)
0955	300	7.63	664	-100.7	6.67	52	6.60	4.96	INITIAL
1000	↓	7.43	660	-127.7	0.28	17	6.64	6.39	1.5
1005	↓	7.06	645	-137.8	0.26	7	6.80	8.61	3.0
1010	↓	6.61	659	-132.8	0.29	12	6.62	9.21	4.5
1013	↓	Pumped dry							
4-8-09	sample 1616								
4-9-09	sample 0950								
			Ferrous->20		Alk-250		CO_2-80		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

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 4-9	500mL	PLASTIC	B	☑ Y ☐ N
2	1 L	GLASS	C	☐ Y ☑ N	1 4-9	1 L	PLASTIC	A	☐ Y ☑ N
1 4-9	125 mL	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202878	SIGNATURE: Scott Mulder	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 4-7-09	BY: dO	DATE: 4/30/09

SAMPLE ID: MW-34S — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☑ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER

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

PURGING	TIME: 1029	DATE: 4-7-09	SAMPLE	TIME: 1455	DATE: 4-8-09

PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER

DEPTH TO WATER: 5.02 T/ PVC

DEPTH TO BOTTOM: N/A T/ PVC

WELL VOLUME: N/A ☒ LITERS ☐ GALLONS

VOLUME REMOVED: 4.9 ☒ LITERS ☐ GALLONS

COLOR: clear ODOR: no

TURBIDITY 7

☒ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.32 SU CONDUCTIVITY: 488 umhos/cm

ORP: -82.5 mV DO: 0.44 mg/L

TURBIDITY: 10 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 6.57 °C OTHER:

COLOR: clr. w/ orange flakes ODOR: no

FILTRATE (0.45 um) ☒ YES ~~☐ NO~~

FILTRATE COLOR: clr FILTRATE ODOR: no

QC SAMPLE: ☐ MS/MSD ☐ DUP-

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)
1029	300	6.95	516	-76.9	0.91	7	6.47	5.02	INITIAL
1034		7.11	498	-75.9	0.25	8	6.77	7.07	~~1.5~~ 1.5
1039		7.32	527	-77.8	0.45	7	6.65	8.39	~~3.0~~ 3.0
1044		7.32	488	-82.5	0.44	10.	6.57	9.71	~~4.5~~ 4.5
1045	pumped dry								
Sample 4-8-09 1455									
Sample 4-9-09 0755									
			Ferrous - 8			Alk - 300	CO_2 -	30	

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or </= **10** TEMP.: +/- **0.5°C**

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
8 5 4-9 2 - 4-8	40 mL	VOA	E	☐ Y ☑ N	2 4-8-09	1 L	AMBER	F	☐ Y ☑ N
1 4-9	40 mL	VOA	A	☐ Y ☑ N	1	500mL	PLASTIC	A	☐ Y ☑ N
1 4-8	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
1 2 4-8	1 L	GLASS	C	☐ Y ☑ N	1 4-9	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: Lab Pick Up	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202875	SIGNATURE: [signature]	DATE SIGNED: 4-9-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 4-7-09	BY: JO	DATE: 4/30/09

SAMPLE ID: MW-35S
WELL DIAMETER: [✓] 2" [ ] 4" [ ] 6" [ ] OTHER
WELL MATERIAL: [✓] PVC [X] SS [ ] IRON [ ] GALVANIZED STEEL [ ] OTHER
SAMPLE TYPE: [✓] GW [ ] WW [ ] SW [ ] DI [ ] LEACHATE [ ] OTHER

PURGING	TIME: 1056	DATE: 4-7-09	SAMPLE	TIME: 1530	DATE: 4-8-09
PURGE METHOD:	[X] PUMP Peristaltic / [ ] BAILER		PH: 7.36 SU	CONDUCTIVITY: 683 umhos/cm	
			ORP: -121.9 mV	DO: 0.21 mg/L	
DEPTH TO WATER: 4.40 T/ PVC			TURBIDITY: 53 NTU		
DEPTH TO BOTTOM: N/A T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: N/A [ ] LITERS [ ] GALLONS			TEMPERATURE: 6.40 °C	OTHER:	
VOLUME REMOVED: 5.1 [X] LITERS [ ] GALLONS			COLOR: cloudy/floaters	ODOR: Yes	
COLOR: clr w/ orange floaters	ODOR: Slight		FILTRATE (0.45 um) [✓] YES ~~[ ] NO~~		
TURBIDITY 39			FILTRATE COLOR: clr	FILTRATE ODOR:	
[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD	[ ] DUP-	
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] 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)
1056	300	7.22	661	-80.7	1.68	39	6.43	4.40	INITIAL
1101		7.37	661	-113.9	0.37	27	6.44	6.95	1.5
1106		7.35	667	-122.2	0.21	30	6.51	8.17	3.0
1111		7.36	683	-121.9	0.21	53	6.40	9.51	4.5
1118		pumped dry							5.1
Sample 4-8-09 1530									
Sample 4-9-09 1005									
			Ferrous -> 20		AlK - 300		CO_2 - 30		

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

pH: +/- **0.1** COND.: +/- **5 (<100** ORP: +/- D.O.: +/- **10 %** TURB: +/- **10 %** or <= **10** TEMP.: +/- **0.5°C**

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

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 4-9	500mL	PLASTIC	B	[✓] Y [ ] N
2	1 L	GLASS	C	[ ] Y [✓] N	1	1 L	PLASTIC	A	[ ] Y [✓] N
1 4-9	125 mL	PLASTIC	F	[ ] Y [✓] N					[ ] Y [ ] N

SHIPPING METHOD: Courier	DATE SHIPPED: 4-9-09	AIRBILL NUMBER: NA
COC NUMBER: 202875	SIGNATURE: [signature]	DATE SIGNED: 4-9-09

REVISED 03/2008

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 202871

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

For Lab Use Only
FSC: _____
SCR#: 7100

(1)
Client: RMT, Inc Acct. #: _____
Project Name/#: L.E. Carpenter & Co PWSID #: _____
Project Manager: Jennifer Overvoorde P.O.#: 6527.325
Sampler: S. Middlebrook/S. Pawlukiewicz Quote #: _____
Name of state where samples were collected: NJ

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES Check if Applicable)	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals								Remarks
									Preservation Codes									
									H	O								
TB-01	4-5-09					X		3	3	[illegible]								
Dup-01	4-6-09	—	X			X		5	3	2								
DRC-02	4-6-09	1310	X			X		5	3	2								
SW-D-5	4-6-09	1322	X			X		5	3	2								
SW-R-1	4-6-09	1333	X			X		5	3	2								
SW-R-2	4-6-09	1342	X			X		5	3	2								
SW-R-3	4-6-09	1351	X			X		5	3	2								
SW-R-4	4-6-09	1400	X			X		5	3	2								
SW-D-4	4-6-09	1415	X			X		5	3	2								
SW-R-6	4-6-09	1515	X			X		5	3	2								

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

(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: _____
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
Bottle Storage			[illegible]		
[illegible]	4/6/09	[illegible]	[illegible]	4/6/09	[illegible]

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 202872

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

(1)
Client: RMT, Inc Acct. #: _____
Project Name/#: LE Carpenter PWSID #: _____
Project Manager: Jennifer Overwoorde 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 (EPA 602) H	Base Neutrals O	Volatile Aromatics H	Total Phenols S	Total Cyanide T	Total Sulfide S	Nitrate Nitrogen -	Nitrite Nitrogen N	Oil & Grease H	TPC O	Remarks	(6) Temperature of samples upon receipt (if requested)
SW-A-5	4-6-09	1539	X			X		5	3	2	2	2	2	1	1	2	1			
SW-D-3	4-6-09	1600	X			X		5	3	2										
SW-D-2	4-6-09	1617	X			X		5	3	2										
SW-D-1	4-6-09	1630	X			X		5	3	2										
MW-19-12	4-7-09	0925	X			X		5	3	2	2	2	2	1	1	1	1			
MW-19-7	4-7-09	1100	X			X		5	3	2	2	2	2	1	1	1	1			
MW-19-7 MS/MSD	4-7-09	1100																		

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

(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]

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 # 202873

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

For Lab Use Only
FSC: _____
SCR#: _____

(1)
Client: _____ Acct. #: _____
Project Name/#: _____ PWSID #: _____
Project Manager: _____ P.O.#: _____
Sampler: _____ Quote #: _____
Name of state where samples were collected: _____

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	BTEX	PAH	Volatile Organics	Metals	Nitrate/Nitrite	Nitrate	Nitrite	Chloride	Sulfate	Remarks
									Preservation Codes									
[illegible]	1-7-09	1456	X			X		15	3	2	2	2	2	1	1	1	1	Dup [illegible]
[illegible]	1-7-09	1539	X			X		15	3	2	2	2	2	1	1	1	1	Cold filtered
[illegible]	[illegible]					X		5	3		2							
[illegible]-19-6	1-7-09	1343	X			X		15	3	2	2	2	2	1	1	1	1	
[illegible]-19-4	1-7-09	1510	X			X		15	3	2	2	2	2	1	1	1	1	
[illegible]	1-7-09	1623	X			X		15	3	2	2	2	2	1	1	1	1	

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

(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: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: _____ Fax #: _____
E-mail address: _____

(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		
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

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 202874

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

For Lab Use Only
FSC: _____
SCR#: _____

(1)
Client: RMT, Inc. Acct. #: _____
Project Name/#: LE Carpenter PWSID #: _____
Project Manager: J. Quinvente P.O.#: 6527 33
Sampler: Lindt Hobrop/S Rubbiance Quote #: _____
Name of state where samples were collected: NJ

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	Preservation Codes: N	O	N	S	–	S	–	N	O	Remarks
[illegible] Dup-03	4-8-09	—	X			X		15	3	2	2	2	2	1	1	1	1	Pb Lead is
MW-5	4-8-09	0844	X			X		15	3	2	2	2	2	1	1	1	1	field filtered
ATM-01	4-8-09	0910	X			X		15	3	2	2	2	2	1	1	1	1	MM 01
[illegible]	4-8-09	—				X		5	3		2							
[illegible]	4-8-09	1107	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19	4-8-09	0825	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-S	4-8-09	0830	X			X		15	3	2	2	2	2	1	1	1	1	
MW-30d	4-8-09	1116	X			X		15	3	2	2	2	2	1	1	1	1	
MW-28s	4-8-09	1234	X			X		15	3	2	2	2	2	1	1	1	1	

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

(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: _____
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 610-925-5445 Fax #: 610-925-1652
E-mail address: jquinvente@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]	4-9-09	1300	[signature]	4/9/09	

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 202876

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: [illegible] Acct. #: _____
Project Name/#: [illegible] PWSID #: _____
Project Manager: [illegible] P.O.#: [illegible]
Sampler: [illegible] Quote #: _____
Name of state where samples were collected: [illegible]

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Other	Total # of Containers	BTEX	DEC	[illegible]	[illegible]	TDS/HCS/Sulfate	[illegible]	[illegible]	DIS Lead	HPC	Remarks
MW-30i	4-8-09	1429	X			X		8	-	2	-	2	2	-	-	1	1	Diss Lead is
MW-30s	4-8-09	1528	X			X		8	-	2	-	2	2	-	-	1	1	Field Filtered.

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

(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]	4-8-09	1800	FedEx		

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 # 202875

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

(1)
Client: KMT, INC
Acct. #:
Project Name/#: L.K. Carpenter
PWSID #:
Project Manager: J. Ourwoorde
P.O.#: 6527.35
Sampler: Saddlebrook/S. Poulikiou
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 | (4) Matrix: Soil | Water (☐ Potable ☐ NPDES Check if Applicable) | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: BTEX (H) | DEHP (O) | Total Hydrocarbons (H) | Total Phenols (S) | PCB/TCB/Sulfate (–) | Nitrate Nitrogen (S) | Nitrite Nitrogen (–) | Diss. Lead (N) | HAC (O) | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX (H)	DEHP (O)	Total Hydrocarbons (H)	Total Phenols (S)	PCB/TCB/Sulfate (–)	Nitrate Nitrogen (S)	Nitrite Nitrogen (–)	Diss. Lead (N)	HAC (O)	Remarks
MW-27s	4-8-09	1330	X			X		12	3	2	2	2	1	1	1			Diss. lead is
MW-27s	4-9-09	0710	X			X		3					1			1	1	field filtered
MW-32s	4-8-09	1616	X			X		12	3	2	2	2	1	1	1			
MW-32s	4-9-09	0950	X			X		3					1			1	1	
MW-34s	4-8-09	1455	X			X		6		2	2	1		1				
MW-34s	4-9-09	0755	X			X		6	3				1		1	1		
MW-35s	4-8-09	1530	X			X		15	3	2	2	2	2	1	1			
MW-35s	4-9-09	1005	X			X		2								1	1	
MW-33s	4-9-09	0930	X			X		15	3	2	2	2	2	1	1	1	1	
MW-36s	4-9-09	0910	X			X		15	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:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-3415 Fax #: 616-975-1098
E-mail address: jennifer.ourwoorde@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 Saddlebrook	4/9/09	1600	[illegible]	4/9/09	1600
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

19 of 60

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 # 202789

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

(1)
Client: RMT, INC Acct. #: _____
Project Name/#: LF CARPENTER PWSID #: _____
Project Manager: JENNIFER OVERWOORDE P.O.#: 6527.35
Sampler: S. MIDDLEBROOK / S. PAULKAWICZ Quote #: _____
Name of state where samples were collected: NJ

For Lab Use Only
FSC: _____
SCR#: 94401

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 Check if Applicable)	Matrix: Other	Total # of Containers	BTEX (H)	DRO (O)	Dissolved Hexavalent Chromium (H)	TCL RS PP/Lab (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss. Lead (N)	HPC (O)	Remarks
MW-30i	4-8-09	1429	X			X		7	3	-	2	-	-	1	1	-	-	
MW-30s	4-8-09	1528	X			X		7	3	-	2	-	-	1	1	-	-	
RB-01	4-9-09	0940	X			X		15	3	2	2	2	2	1	1	1	1	LEAD SAMPLES NOT
RB-02	4-9-09	0900	X			X		15	3	2	2	2	2	1	1	1	1	FILTERED ON RB samples.
TB-04	4-7-09	—				X		4										

(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: _____
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]	4/9				
[signature]	4/9	1600	[signature]	4/9	1600

Appendix B
2nd 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

April 21, 2009

SAMPLE GROUP

The sample group for this submittal is 1139352. Samples arrived at the laboratory on Tuesday, April 07, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
TB-01 Water	5640476
DUP-01 Grab Water	5640477
DRC-02 Grab Water	5640478
SW-D-5 Grab Water	5640479
SW-R-1 Grab Water	5640480
SW-R-2 Grab Water	5640481
SW-R-3 Grab Water	5640482
SW-R-4 Grab Water	5640483
SW-D-4 Grab Water	5640484
SW-R-6 Grab Water	5640485
SW-R-5 Grab Water	5640486
SW-D-3 Grab Water	5640487
SW-D-2 Grab Water	5640488
SW-D-1 Grab Water	5640489
MW-19-12 Grab Water	5640490
MW-19-7 Unspiked Grab Water	5640491
MW-19-7 Matrix Spike Grab Water	5640492
MW-19-7 Matrix Spike Duplicate Grab Water	5640493
MW-19-7 Duplicate Grab Water	5640494

METHODOLOGY

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

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	

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

Respectfully Submitted,

Tracy A. Cole

Tracy A. Cole
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640476

Group No. 1139352
NJ

TB-01 Water
202871
L.E. Carpenter, NJ

Collected: 04/05/2009

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

TB1RM SDG#: LEC72-01TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009 23:05	Sara E Wolf	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640477

Group No. 1139352
NJ

DUP-01 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

DP1RM SDG#: LEC72-02FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		0.9	1
04601	Ethylbenzene	100-41-4	N.D.		0.8	1
04601	Toluene	108-88-3	N.D.		0.8	1
04601	Xylene (total)	1330-20-7	N.D.		0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1	J	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009 23:29	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 05:12	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640478

Group No. 1139352
NJ

DRC-02 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 13:10 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

DRC02 SDG#: LEC72-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009 23:52	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 06:02	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640479

Group No. 1139352
NJ

SW-D-5 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 13:22 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWD5- SDG#: LEC72-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		ug/l	ug/l	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 00:16	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 06:52	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640480

Group No. 1139352
NJ

SW-R-1 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 13:33 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR1- SDG#: LEC72-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 00:39	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 07:42	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640481

Group No. 1139352
NJ

SW-R-2 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 13:42 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR2- SDG#: LEC72-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 01:02	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 08:33	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640482

Group No. 1139352
NJ

SW-R-3 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 13:51 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR3- SDG#: LEC72-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 01:26	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 09:23	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640483

Group No. 1139352
NJ

SW-R-4 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 14:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR4- SDG#: LEC72-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 01:49	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 10:13	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640484

Group No. 1139352
NJ

SW-D-4 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 14:15 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWD4- SDG#: LEC72-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		0.9	1
04601	Ethylbenzene	100-41-4	N.D.		0.8	1
04601	Toluene	108-88-3	N.D.		0.8	1
04601	Xylene (total)	1330-20-7	N.D.		0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	2	J	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 02:12	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 11:03	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640485

Group No. 1139352
NJ

SW-R-6 Grab Water
202871
L.E. Carpenter, NJ

Collected: 04/06/2009 15:15 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR6- SDG#: LEC72-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091081AA	04/18/2009 07:59	Kathrine K Muramatsu	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 11:54	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640486

Group No. 1139352
NJ

SW-R-5 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/06/2009 15:30 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWR5- SDG#: LEC72-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 02:59	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 12:44	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640487

Group No. 1139352
NJ

SW-D-3 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/06/2009 16:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWD3- SDG#: LEC72-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091081AA	04/18/2009 08:23	Kathrine K Muramatsu	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 13:34	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640488

Group No. 1139352
NJ

SW-D-2 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/06/2009 16:17 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWD2- SDG#: LEC72-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		0.9	1
04601	Ethylbenzene	100-41-4	N.D.		0.8	1
04601	Toluene	108-88-3	N.D.		0.8	1
04601	Xylene (total)	1330-20-7	N.D.		0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1	J	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 03:46	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 14:24	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5640489

Group No. 1139352
NJ

SW-D-1 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/06/2009 16:30 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

SWD1- SDG#: LEC72-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		0.9	1
04601	Ethylbenzene	100-41-4	N.D.		0.8	1
04601	Toluene	108-88-3	N.D.		0.8	1
04601	Xylene (total)	1330-20-7	N.D.		0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	2	J	0.9	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 04:10	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 15:15	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640490

Group No. 1139352
NJ

MW-19-12 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 09:25 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-1912 SDG#: LEC72-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	18.5	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.94	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	334	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	5.2 J	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	320	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640490

Group No. 1139352
NJ

MW-19-12 Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 09:25 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-1912 SDG#: LEC72-15

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/10/2009 04:33	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 16:05	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009 12:12	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091001848002	04/15/2009 03:00	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091001848002	04/10/2009 20:10	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09105196101B	04/15/2009 22:10	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009 20:11	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105103A	04/08/2009 18:53	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09099109101A	04/09/2009 21:00	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09099109101A	04/09/2009 12:10	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021201A	04/09/2009 08:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09099020601A	04/09/2009 12:09	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09105022101A	04/15/2009 17:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040709AJB	04/09/2009 20:45	Adam J Black	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640491

Group No. 1139352
NJ

MW-19-7 Unspiked Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
The GC/MS semivolatile surrogate recovery of 2,4,6-tribromophenol was outside of QC limits. The recovery was, however, greater than 10%.					
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	400	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	31.2	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.1	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	3,010	77.6	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	23.6	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	98	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640491

Group No. 1139352
NJ

MW-19-7 Unspiked Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16BKG

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009	21:56	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009	02:41	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009	11:30	Jessica Agosto	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	12:26	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091001848002	04/15/2009	01:51	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091001848002	04/10/2009	20:10	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09105196101B	04/15/2009	20:35	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:07	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105103A	04/08/2009	18:54	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09099109101A	04/09/2009	21:01	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09099109101A	04/09/2009	12:10	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021201A	04/09/2009	08:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09099020601A	04/09/2009	12:09	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09105022101A	04/15/2009	17:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040709AJB	04/09/2009	20:45	Adam J Black	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640492

Group No. 1139352
NJ

MW-19-7 Matrix Spike Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	20	0.9	1
04601	Ethylbenzene	100-41-4	22	0.8	1
04601	Toluene	108-88-3	21	0.8	1
04601	Xylene (total)	1330-20-7	64	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	48	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	44	1.0	1
07105	Ethene	74-85-1	45	1.0	1
07105	Methane	74-82-8	400	5.0	1
07105	Propane	74-98-6	45	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	0.141	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	82.7	3.0	10
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.9	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.048 J	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	2.1	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	4,410	77.6	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	12.8	0.20	1

General Sample Comments

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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640492

Group No. 1139352
NJ

MW-19-7 Matrix Spike Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16MS

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009	22:18	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009	03:31	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009	11:30	Jessica Agosto	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	12:56	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091001848002	04/15/2009	02:05	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091001848002	04/10/2009	20:10	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09105196101B	04/15/2009	21:13	Ashley M Heckman	10
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:09	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105103A	04/08/2009	18:56	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09099109101A	04/09/2009	21:02	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09099109101A	04/09/2009	12:10	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021201A	04/09/2009	08:00	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09105022101A	04/15/2009	17:00	Luz M Groff	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640493

Group No. 1139352
NJ

MW-19-7 Matrix Spike Duplicate Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	20	0.9	1
04601	Ethylbenzene	100-41-4	21	0.8	1
04601	Toluene	108-88-3	21	0.8	1
04601	Xylene (total)	1330-20-7	63	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	51	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	48	1.0	1
07105	Ethene	74-85-1	49	1.0	1
07105	Methane	74-82-8	400	5.0	1
07105	Propane	74-98-6	51	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	0.139	0.0069	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	4,760	77.6	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	12.9	0.20	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E090992AA	04/09/2009 22:42	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09098WAF625	04/10/2009 04:22	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09098WAF625	04/09/2009 11:30	Jessica Agosto	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009 13:11	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091001848002	04/15/2009 02:10	John W Yanzuk II	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640493

Group No. 1139352
NJ

MW-19-7 Matrix Spike Duplicate Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16MSD

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091001848002	04/10/2009 20:10	Mirit S Shenouda	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021201A	04/09/2009 08:00	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09105022101A	04/15/2009 17:00	Luz M Groff	1

Lancaster Laboratories

Analysis Report

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Lancaster Laboratories Sample No. WW 5640494

Group No. 1139352
NJ

MW-19-7 Duplicate Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16DUP*

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B		**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead		7439-92-1	N.D.	0.0069	1
EPA 300.0		**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate		14808-79-8	29.8	1.5	5
EPA 353.2		**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen		14797-55-8	1.1	0.040	1
00219	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
EPA 365.1		**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)		7723-14-0	N.D.	0.080	1
SM20 2540 C		**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids		n.a.	3,090	77.6	1
SM20 2540 D		**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids		n.a.	24.4	3.0	1
SM20 4500NH3 B/C modified		**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
SM20 9215 B		**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count		n.a.	87	1	n.a.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	091001848002	04/15/2009 02:00	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091001848002	04/10/2009 20:10	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09105196101B	04/15/2009 20:54	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009 20:10	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105103A	04/08/2009 18:57	Venia B McFadden	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640494

Group No. 1139352
NJ

MW-19-7 Duplicate Grab Water
202872
L.E. Carpenter, NJ

Collected: 04/07/2009 11:00 by SM

Account Number: 09322

Submitted: 04/07/2009 16:00
Reported: 04/21/2009 at 10:47
Discard: 05/22/2009

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

-197- SDG#: LEC72-16DUP*

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00227	Total Phosphorus as P (water)	EPA 365.1	1	09099109101A	04/09/2009 21:03	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09099109101A	04/09/2009 12:10	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021201A	04/09/2009 08:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09099020601A	04/09/2009 12:09	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09105022101A	04/15/2009 17:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040709AJB	04/09/2009 20:45	Adam J Black	n.a.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc.
Reported: 04/21/09 at 10:47 AM

Group Number: 1139352

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: E090992AA	Sample number(s): 5640476-5640484,5640486,5640488-5640493							
Benzene	N.D.	0.9	ug/l	93		80-121		
Ethylbenzene	N.D.	0.8	ug/l	97		83-109		
Toluene	N.D.	0.8	ug/l	96		83-111		
Xylene (total)	N.D.	0.9	ug/l	96		81-115		
Batch number: M091081AA	Sample number(s): 5640485,5640487							
Benzene	N.D.	0.9	ug/l	97	97	80-121	0	30
Ethylbenzene	N.D.	0.8	ug/l	92	88	83-109	4	30
Toluene	N.D.	0.8	ug/l	91	91	83-111	1	30
Xylene (total)	N.D.	0.9	ug/l	90	88	81-115	2	30
Batch number: 09098WAF625	Sample number(s): 5640477-5640493							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	104		74-118		
Batch number: 090980009A	Sample number(s): 5640490-5640493							
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	103		80-120		
Methane	N.D.	5.0	ug/l	100		80-120		
Propane	N.D.	1.0	ug/l	105		73-125		
Batch number: 091001848002	Sample number(s): 5640490-5640494							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09098105103A	Sample number(s): 5640490-5640492,5640494							
Nitrite Nitrogen	N.D.	0.015	mg/l	101		90-110		
Batch number: 09099109101A	Sample number(s): 5640490-5640492,5640494							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	100		90-111		
Batch number: 09104106102B	Sample number(s): 5640490-5640492,5640494							
Nitrate Nitrogen	N.D.	0.040	mg/l	102		90-110		
Batch number: 09105196101B	Sample number(s): 5640490-5640492,5640494							
Sulfate	N.D.	0.30	mg/l	106		89-110		
Batch number: 09099020601A	Sample number(s): 5640490-5640491,5640494							
Total Suspended Solids	N.D.	3.0	mg/l	100		63-121		
Batch number: 09099021201A	Sample number(s): 5640490-5640494							
Total Dissolved Solids	N.D.	9.7	mg/l	93		80-120		
Batch number: 09105022101A	Sample number(s): 5640490-5640494							
Ammonia Nitrogen	N.D.	0.20	mg/l	95		91-100		

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc.
Reported: 04/21/09 at 10:47 AM

Group Number: 1139352

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: E090992AA	Sample number(s): 5640476-5640484,5640486,5640488-5640493 UNSPK: 5640491								
Benzene	101	100	83-132	0	30				
Ethylbenzene	108	107	82-124	1	30				
Toluene	106	105	84-123	1	30				
Xylene (total)	106	105	79-130	2	30				
Batch number: M091081AA	Sample number(s): 5640485,5640487 UNSPK: P645930								
Benzene	102		83-132						
Ethylbenzene	93		82-124						
Toluene	95		84-123						
Xylene (total)	91		79-130						
Batch number: 09098WAF625	Sample number(s): 5640477-5640493 UNSPK: 5640491								
bis(2-Ethylhexyl)phthalate	97	102	39-165	6	30				
Batch number: 090980009A	Sample number(s): 5640490-5640493 UNSPK: 5640491								
Ethane	75	81	68-131	9	20				
Ethene	74	80	46-164	9	20				
Methane	0 (2)	0 (2)	35-157	0	20				
Propane	74	84	36-149	13	20				
Batch number: 091001848002	Sample number(s): 5640490-5640494 UNSPK: 5640491 BKG: 5640491								
Lead	94	93	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09098105103A	Sample number(s): 5640490-5640492,5640494 UNSPK: 5640491 BKG: 5640491								
Nitrite Nitrogen	24*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09099109101A	Sample number(s): 5640490-5640492,5640494 UNSPK: 5640491 BKG: 5640491								
Total Phosphorus as P (water)	105		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09104106102B	Sample number(s): 5640490-5640492,5640494 UNSPK: 5640491 BKG: 5640491								
Nitrate Nitrogen	92		90-110			1.1	1.1	0	2
Batch number: 09105196101B	Sample number(s): 5640490-5640492,5640494 UNSPK: 5640491 BKG: 5640491								
Sulfate	103		90-110			31.2	29.8	4	20
Batch number: 09099020601A	Sample number(s): 5640490-5640491,5640494 BKG: 5640491								
Total Suspended Solids						23.6	24.4	3 (1)	13
Batch number: 09099021201A	Sample number(s): 5640490-5640494 UNSPK: 5640491 BKG: 5640491								
Total Dissolved Solids	87	110	54-143	8	12	3,010	3,090	3	9
Batch number: 09105022101A	Sample number(s): 5640490-5640494 UNSPK: 5640491 BKG: 5640491								
Ammonia Nitrogen	91	92	64-128	1	8	N.D.	N.D.	0 (1)	2

Surrogate 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.

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139352
Reported: 04/21/09 at 10:47 AM

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: 090980009A

	Propene
5640490	72
5640491	77
5640492	69
5640493	77
Blank	103
LCS	105
MS	69
MSD	77
Limits:	42-131

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09098WAF625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5640477	86	103	83
5640478	83	101	83
5640479	89	108	84
5640480	92	107	93
5640481	87	108	92
5640482	83	104	87
5640483	89	106	88
5640484	84	98	77
5640485	81	100	83
5640486	85	102	87
5640487	88	102	75
5640488	87	103	77
5640489	83	97	72
5640490	84	104	90
5640491	76	94	75
5640492	88	106	75
5640493	91	107	79
Blank	92	101	92
LCS	92	105	95
MS	88	106	75
MSD	91	107	79
Limits:	56-120	62-121	44-134

Analysis Name: BTEX by 624
Batch number: E090992AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5640476	90	90	90
5640477	91	90	89
5640478	92	91	89
5640479	92	90	88
5640480	93	90	86
5640481	90	91	89
5640482	91	90	86
5640483	92	91	88

*- 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.

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139352
Reported: 04/21/09 at 10:47 AM

Surrogate Quality Control

5640484	94	90	90
5640486	92	90	88
5640488	91	91	89
5640489	94	90	86
5640490	91	91	89
5640491	91	91	88
5640492	89	92	97
5640493	89	93	95
Blank	93	90	94
LCS	89	92	94
MS	89	92	97
MSD	89	93	95
Limits:	76-114	80-120	86-115

Analysis Name: BTEX by 624
Batch number: M091081AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5640485	81	92	90
5640487	83	93	90
Blank	82	91	94
LCS	81	93	91
LCSD	82	95	91
MS	80	94	90
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# 1139352 Sample # 5640476-94

COC # 202871

temp 0.9-4.4°C

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

For Lab Use Only
FSC:
SCR#: 74100

(1)
Client: RMT, Inc Acct. #:
Project Name/#: L.E. Carpenter & Co PWSID #:
Project Manager: Jennifer Overvoorde P.O.#: 6527.335
Sampler: S. Middlebrook/S. Pawlukiewicz Quote #:
Name of state where samples were collected: NJ

(2) (3) (4) (5) Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Comp	Matrix		Containers	BTEX (EPA 8260)	Base Neutrals								Remarks
TB-01	4-5-09					X	3	3	2								
Dup-01	4-6-09	—	X			X	5	3	2								
DRC-02	4-6-09	1310	X			X	5	3	2								
SW-D-5	4-6-09	1322	X			X	5	3	2								
SW-R-1	4-6-09	1333	X			X	5	3	2								
SW-R-2	4-6-09	1342	X			X	5	3	2								
SW-R-3	4-6-09	1351	X			X	5	3	2								
SW-R-4	4-6-09	1400	X			X	5	3	2								
SW-D-4	4-6-09	1415	X			X	5	3	2								
SW-R-6	4-6-09	1515	X			X	5	3	2								

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

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
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
Bottle Storage			[signature]		
[signature]	4/7/09	13:00	[signature]	4/7/09	13:00
[signature]	4/7/09	16:00			
			[signature]	4/7/09	1600

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1139352 Sample # 5640476-94 **COC #** 202872

temp 0.9-4.4°C

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

For Lab Use Only
FSC:
SCR#:

(1) Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter ~~[illegible]~~ PWSID #:
Project Manager: Jennifer Overvoorde P.O.#: 6527.35
Sampler: S. Middlebrook/S. Pawlukiewicz 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	Soil	Water	Other	(4) Total # of Containers	BTEX (EPA 6020) H	Base Neutrals, Volatile Headspace Hydrocarbons O	Total PAS/NH3 H	TDS/TSS/Sulfate S	Nitrate Nitrogen -	Nitrite Nitrogen -	Diss lead N	HPC O	Remarks
SW-R-5	4-6-09	1539	X			X		5	3	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
SW-D-3	4-6-09	1600	X			X		5	3	2							
SW-D-2	4-6-09	1617	X			X		5	3	2							
SW-D-1	4-6-09	1630	X			X		5	3	2							
MW-19-12	4-7-09	0925	X			X		15	3	2	2	2	2	1	1	1	1
MW-19-7	4-7-09	1100	X			X		15	3	2	2	2	2	1	1	1	1
MW-19-7 MS/MSD	4-7-09	1100	X			X		15	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:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address:

(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	4/7/09	13:00	[signature]	4/7/09	13:00
[signature]	4/7/09	16:00			
			[signature]	4/7/09	1600

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: 4/7/09

Time of Receipt: 1600

Source Code: 01

Unpacker Emp. No.: 2308

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

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	0429983	1.2°C	TB	WI	Y	B	
2		1.7°C					
3		4.4°C					
4		1.2°C					
5		0.9°C					
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:
number of SW-D-2 time and date rubbed off
client only submitted duplicate volume for QC

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	4/7/09	1648	Unpacking to Storage
[signature]	4/7/09	1656	Place in Storage or Entry
			Entry
			Entry

2174.04

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.

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Lancaster Laboratories

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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

April 23, 2009

SAMPLE GROUP

The sample group for this submittal is 1139445. Samples arrived at the laboratory on Wednesday, April 08, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-25R Grab Water	5640975
MW-29s Grab Water	5640976
TB-02 Water	5640977
MW-19-6 Grab Water	5640978
MW-19-4 Grab Water	5640979
GEI-2s Grab Water	5640980

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

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

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,

Barbara F. Reedy
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640975

Group No. 1139445
NJ

MW-25R Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 14:56 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW25R SDG#: LEC73-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1 J	1	1
The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Comparable data was observed between the two extractions. The data reported here is from the initial extraction of the sample.					
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	7.6 J	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	9.4	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.11	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	362	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	98.8	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	> 5700	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640975

Group No. 1139445
NJ

MW-25R Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 14:56 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW25R SDG#: LEC73-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SM20 9215 B	Microbiology		cfu/ml	cfu/ml	
	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.				

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009 06:44	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009 13:52	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009 12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009 15:56	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 11:45	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196601B	04/16/2009 01:23	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009 20:12	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105104A	04/08/2009 19:23	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109101A	04/13/2009 21:36	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109101A	04/10/2009 11:50	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021202A	04/09/2009 09:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020601B	04/10/2009 07:01	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09106022101A	04/16/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KS	04/10/2009 14:55	Kimberly A Small	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640976

Group No. 1139445
NJ

MW-29s Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 16:29 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW29S SDG#: LEC73-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	2 J	1	1
The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Bis(2-ethylhexyl)phthalate was not detected in the re-analysis of the sample. The data reported here is from the initial extraction of the sample.					
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	4,000	250	50
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	7.3	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.28	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	464	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	58.0	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	5.8	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	200	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640976

Group No. 1139445
NJ

MW-29s Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 16:29 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW29S SDG#: LEC73-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009	07:08	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	14:38	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	16:10	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/10/2009	07:52	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	11:49	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196601B	04/16/2009	01:39	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:14	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105104A	04/08/2009	19:24	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109101A	04/13/2009	21:37	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109101A	04/10/2009	11:50	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021202A	04/09/2009	09:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020601B	04/10/2009	07:01	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09106022101A	04/16/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KS	04/10/2009	14:55	Kimberly A Small	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640977

Group No. 1139445
NJ

TB-02 Water
L.E. Carpenter, NJ

Collected: 04/05/2009

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

25RT2 SDG#: LEC73-03TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009 06:19	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009 16:24	Dustin A Underkoffler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5640978

Group No. 1139445
NJ

MW-19-6 Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 13:43 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW196 SDG#: LEC73-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		0.9	1
04601	Ethylbenzene	100-41-4	1	J	0.8	1
04601	Toluene	108-88-3	8		0.8	1
04601	Xylene (total)	1330-20-7	4	J	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	1
07105	Ethene	74-85-1	N.D.		1.0	1
07105	Methane	74-82-8	140		5.0	1
07105	Propane	74-98-6	N.D.		1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**		**mg/l**	
07055	Lead	7439-92-1	N.D.		0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	
00228	Sulfate	14808-79-8	37.4		1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**		**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	2.2		0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	1,380		38.8	1
SM20 2540 D	**Wet Chemistry**		**mg/l**		**mg/l**	
00206	Total Suspended Solids	n.a.	3.6	J	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**		**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	15		1	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.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640978

Group No. 1139445
NJ

MW-19-6 Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 13:43 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW196 SDG#: LEC73-04

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009	07:33	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	15:23	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	16:39	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	11:59	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196601B	04/16/2009	02:25	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:17	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105104A	04/08/2009	19:25	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109101A	04/13/2009	21:38	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109101A	04/10/2009	11:50	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021202A	04/09/2009	09:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020601B	04/10/2009	07:01	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09106022101A	04/16/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KS	04/10/2009	14:55	Kimberly A Small	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640979

Group No. 1139445
NJ

MW-19-4 Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 15:10 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW194 SDG#: LEC73-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	2 J	1	1

The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Bis(2-ethylhexyl)phthalate was not detected in the re-analysis of the sample. The data reported here is from the initial extraction of the sample.

RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	25.0	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.3	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	1,690	38.8	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	4.4 J	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	4,000	1	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640979

Group No. 1139445
NJ

MW-19-4 Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 15:10 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

MW194 SDG#: LEC73-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	

Spreader-type colony growth was observed on one or more of the plates used in enumerating this sample. This growth may have interfered with an accurate counting of the plate.
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.

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009	07:58	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	16:09	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	16:53	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:03	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196601B	04/16/2009	02:40	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:19	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105104A	04/08/2009	19:26	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109101A	04/13/2009	21:40	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109101A	04/10/2009	11:50	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021202A	04/09/2009	09:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020601B	04/10/2009	07:01	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09106022101A	04/16/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KS	04/10/2009	14:55	Kimberly A Small	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5640980

Group No. 1139445
NJ

GEI-2s Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 16:23 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

GEI2S SDG#: LEC73-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	3 J	0.8	1
04601	Toluene	108-88-3	120	0.8	1
04601	Xylene (total)	1330-20-7	13	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	57	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	26.5	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.4	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	310	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	3	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5640980

Group No. 1139445
NJ

GEI-2s Grab Water
L.E. Carpenter, NJ

Collected: 04/07/2009 16:23 by SM

Account Number: 09322

Submitted: 04/08/2009 09:15
Reported: 04/23/2009 at 11:23
Discard: 05/24/2009

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

GEI2S SDG#: LEC73-06

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091002AA	04/11/2009	08:23	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	16:54	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090980009A	04/09/2009	17:08	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:07	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196601B	04/16/2009	02:56	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106102B	04/14/2009	20:20	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09098105104A	04/08/2009	19:27	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109101A	04/13/2009	21:41	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109101A	04/10/2009	11:50	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09099021202A	04/09/2009	09:00	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020601B	04/10/2009	07:01	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09106022101A	04/16/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KS	04/10/2009	14:55	Kimberly A Small	n.a.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139445
Reported: 04/23/09 at 11:23 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: M091002AA	Sample number(s): 5640975-5640980							
Benzene	N.D.	0.9	ug/l	99	97	80-121	2	30
Ethylbenzene	N.D.	0.8	ug/l	94	95	83-109	1	30
Toluene	N.D.	0.8	ug/l	95	96	83-111	1	30
Xylene (total)	N.D.	0.9	ug/l	93	93	81-115	1	30
Batch number: 09101WAB625	Sample number(s): 5640975-5640976,5640978-5640980							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	130*	118	74-118	10	30
Batch number: 090980009A	Sample number(s): 5640975-5640980							
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	103		80-120		
Methane	N.D.	5.0	ug/l	100		80-120		
Propane	N.D.	1.0	ug/l	105		73-125		
Batch number: 091031848002	Sample number(s): 5640975-5640976,5640978-5640980							
Lead	N.D.	0.0069	mg/l	102		80-120		
Batch number: 09098105104A	Sample number(s): 5640975-5640976,5640978-5640980							
Nitrite Nitrogen	N.D.	0.015	mg/l	95		90-110		
Batch number: 09100109101A	Sample number(s): 5640975-5640976,5640978-5640980							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	98		90-111		
Batch number: 09104106102B	Sample number(s): 5640975-5640976,5640978-5640980							
Nitrate Nitrogen	N.D.	0.040	mg/l	102		90-110		
Batch number: 09105196601B	Sample number(s): 5640975-5640976,5640978-5640980							
Sulfate	N.D.	0.30	mg/l	106		89-110		
Batch number: 09099021202A	Sample number(s): 5640975-5640976,5640978-5640980							
Total Dissolved Solids	N.D.	9.7	mg/l	101		80-120		
Batch number: 09100020601B	Sample number(s): 5640975-5640976,5640978-5640980							
Total Suspended Solids	N.D.	3.0	mg/l	91		63-121		
Batch number: 09106022101A	Sample number(s): 5640975-5640976,5640978-5640980							
Ammonia Nitrogen	N.D.	0.20	mg/l	95	96	91-100	1	1

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

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139445
Reported: 04/23/09 at 11:23 AM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: M091002AA	Sample number(s): 5640975-5640980 UNSPK: P639822								
Benzene	100		83-132						
Ethylbenzene	98		82-124						
Toluene	100		84-123						
Xylene (total)	95		79-130						
Batch number: 090980009A	Sample number(s): 5640975-5640980 UNSPK: P640491								
Ethane	75	81	68-131	9	20				
Ethene	74	80	46-164	9	20				
Methane	0 (2)	0 (2)	35-157	0	20				
Propane	74	84	36-149	13	20				
Batch number: 091031848002	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: P642511 BKG: P642511								
Lead	100	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09098105104A	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: 5640980 BKG: 5640980								
Nitrite Nitrogen	24*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09100109101A	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: P641596 BKG: P641596								
Total Phosphorus as P (water)	104		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09104106102B	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: P640491 BKG: P640491								
Nitrate Nitrogen	92		90-110			1.1	1.1	0	2
Batch number: 09105196601B	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: P640769 BKG: P640769								
Sulfate	99		90-110			1,200	1,180	1	20
Batch number: 09099021202A	Sample number(s): 5640975-5640976,5640978-5640980 UNSPK: P640769 BKG: P640769								
Total Dissolved Solids	79	85	54-143	2	12	32,700	33,000	1	9
Batch number: 09100020601B	Sample number(s): 5640975-5640976,5640978-5640980 BKG: 5640976								
Total Suspended Solids						58.0	59.6	3 (1)	13
Batch number: 09106022101A	Sample number(s): 5640975-5640976,5640978-5640980 BKG: 5640976								
Ammonia Nitrogen						5.8	5.9	1	2

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: 090980009A

	Propene
5640975	74
5640976	74
5640977	72
5640978	76
5640979	66
5640980	75
Blank	103
LCS	105
MS	69

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139445
Reported: 04/23/09 at 11:23 AM

Surrogate Quality Control

MSD	77		
Limits:	42-131		

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09101WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5640975	85	89	69
5640976	82	87	78
5640978	80	88	67
5640979	80	87	67
5640980	81	86	71
Blank	88	74	71
LCS	92	91	96
LCSD	95	98	92
Limits:	56-120	62-121	44-134

Analysis Name: BTEX by 624
Batch number: M091002AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5640975	97	95	96
5640976	95	96	98
5640977	96	95	96
5640978	95	96	94
5640979	94	95	94
5640980	98	95	96
Blank	95	95	96
LCS	91	96	97
LCSD	98	94	96
MS	98	92	98
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# 1139445 Sample # 5640975-80 **COC #** 202873

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

For Lab Use Only
FSC: _____
SCR#: _____

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Total # of Containers	BTEX (H)	DEHP (O)	Volatile Headspace Hydrocarbon (H)	Total P as P/NH3 (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss Lead (N)	HPC (O)	Remarks
MW-25R	4-7-09	1456	X			X	15	3	2	2	2	2	1	1	1	1	Diss lead is
MW-29S	4-7-09	1629	X			X	15	3	2	2	2	2	1	1	1	1	field filtered.
TB-02	4-5-09					X	5	3		2							
MW-19-6	4-7-09	1343	X			X	15	3	2	2	2	2	1	1	1	1	
MW-19-4	4-7-09	1510	X			X	15	3	2	2	2	2	1	1	1	1	
GEI-2S	4-7-09	1623	X			X	15	3	2	2	2	2	1	1	1	1	

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

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: _____
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
Scott Middlebrook	4-7-09	1845	Fed Ex		
			[signature]	4-8-09	0915

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: 4-8-09

Time of Receipt: 0915

Source Code: 50-1

Unpacker Emp. No.: 2132

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

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	042995	1.4°	TB	WI	Y	B	
2	↓	1.2°	↓	↓	↓	↓	
3	↓	0.6°	↓	↓	↓	↓	
4	↓	0.4°	↓	↓	↓	↓	
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: ~~5~~ 0 ③ SRM 0132 4-8-09

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	4-8-09	1038	Unpacking
[illegible]	4/8/09	1100	Place in Storage or (Entry)
			Entry
			Entry

2174.04

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.

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Lancaster Laboratories

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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

April 24, 2009

SAMPLE GROUP

The sample group for this submittal is 1139598. Samples arrived at the laboratory on Wednesday, April 08, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
DUP-02 Grab Water	5641726
MW-8 Grab Water	5641727
ATM-01 Grab Water	5641728
TB-03 Water	5641729
MW-28i Grab Water	5641730
MW-19 Grab Water	5641731
MW-19-5 Grab Water	5641732
MW-30d Grab Water	5641733
MW-28s Grab Water	5641734

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

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

Lancaster Laboratories

Analysis Report

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

Respectfully Submitted,

Parker Lindstrom
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5641726

Group No. 1139598
NJ

DUP-02 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

DUP02 SDG#: LEC73-07FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	45	50
04601	Ethylbenzene	100-41-4	610	40	50
04601	Toluene	108-88-3	38,000	400	500
04601	Xylene (total)	1330-20-7	3,200	45	50
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	3.1 J	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	1,400	25	5
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	6.4	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.071 J	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	250	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	2.6	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	110	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641726

Group No. 1139598
NJ

DUP-02 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

DUP02 SDG#: LEC73-07FD

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	17:11	Jason M Long	50
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	17:34	Jason M Long	500
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	17:40	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009	18:06	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/13/2009	11:08	Dustin A Underkoffler	5
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:10	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009	14:12	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009	20:47	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009	18:07	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009	22:15	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009	15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009	09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009	09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009	16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009	20:22	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5641727

Group No. 1139598
NJ

MW-8 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 08:44 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

--M8- SDG#: LEC73-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	3 J	1	1
	The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Comparable data was observed between the two extractions. The data reported here is from the initial extraction of the sample.				
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	5.5	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	6,100	250	50
07105	Propane	74-98-6	1.6 J	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	N.D.	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	174	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	28.0	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	450	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641727

Group No. 1139598
NJ

MW-8 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 08:44 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

--M8- SDG#: LEC73-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	17:57	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	18:25	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009	18:22	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/13/2009	11:22	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:14	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009	15:07	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009	20:51	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009	18:08	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009	22:16	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009	15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009	09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009	09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009	16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009	20:22	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641728

Group No. 1139598
NJ

ATM-01 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 09:10 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

ATM01 SDG#: LEC73-09AB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	N.D.	0.30	1
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	N.D.	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641728

Group No. 1139598
NJ

ATM-01 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 09:10 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

ATM01 SDG#: LEC73-09AB

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	18:20	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	19:11	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009	18:37	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:17	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	2	09106196101A	04/24/2009	04:52	Ashley M Heckman	1
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009	20:52	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009	18:09	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009	22:17	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009	15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009	09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009	09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009	16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009	20:22	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641729

Group No. 1139598
NJ

TB-03 Water
L.E. Carpenter, NJ

Collected: 04/05/2009

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

TBLEC SDG#: LEC73-10TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091051AA	04/15/2009 13:45	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990000A	04/10/2009 14:36	Dustin A Underkoffler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5641730

Group No. 1139598
NJ

MW-28i Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 11:07 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

M-28I SDG#: LEC73-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	240	10	10

The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Comparable data was observed between the two extractions. The data reported here is from the initial extraction of the sample.

RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	110	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	7.7	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.016 J	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.22	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	351	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	13.6	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	89	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641730

Group No. 1139598
NJ

MW-28i Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 11:07 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

M-28I SDG#: LEC73-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	19:07	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009	23:24	Brian K Graham	10
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009	12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009	18:52	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:21	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009	15:44	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009	20:53	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009	18:13	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009	22:18	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009	15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009	09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009	09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009	16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009	20:22	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641731

Group No. 1139598
NJ

MW-19 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 08:25 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-19-- SDG#: LEC73-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**		**ug/l**	
04601	Benzene	71-43-2	N.D.		45	50
04601	Ethylbenzene	100-41-4	940		40	50
04601	Toluene	108-88-3	37,000		400	500
04601	Xylene (total)	1330-20-7	4,800		45	50
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	3	J	1	1
The recovery of bis(2-ethylhexyl)phthalate was above QC limits in the LCS. This sample was re-extracted, and bis(2-ethylhexyl)phthalate was again above QC limits in the LCS/LCSD. Comparable data was observed between the two extractions. The data reported here is from the initial extraction of the sample.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	
07105	Ethane	74-84-0	15		1.0	1
07105	Ethene	74-85-1	1.5	J	1.0	1
07105	Methane	74-82-8	4,800		250	50
07105	Propane	74-98-6	N.D.		1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**		**mg/l**	
07055	Lead	7439-92-1	N.D.		0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	
00228	Sulfate	14808-79-8	2.4	J	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**		**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	670		19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**		**mg/l**	
00206	Total Suspended Solids	n.a.	12.8		3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**		**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	36		1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641731

Group No. 1139598
NJ

MW-19 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 08:25 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-19-- SDG#: LEC73-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
	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.				

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009 19:53	Jason M Long	50
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009 20:16	Jason M Long	500
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09101WAB625	04/14/2009 20:42	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09101WAB625	04/13/2009 12:30	Olivia Arosemena	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009 19:08	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/13/2009 11:36	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 12:25	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009 16:02	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009 20:55	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009 18:14	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009 22:19	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009 15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009 09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009 09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009 16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009 20:22	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641732

Group No. 1139598
NJ

MW-19-5 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 09:30 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-195- SDG#: LEC73-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	23	25
04601	Ethylbenzene	100-41-4	490	20	25
04601	Toluene	108-88-3	46,000	200	250
04601	Xylene (total)	1330-20-7	2,800	23	25
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	4.0 J	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	1,300	25	5
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	6.4	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.069 J	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	250	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	27	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641732

Group No. 1139598
NJ

MW-19-5 Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 09:30 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-195- SDG#: LEC73-13

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009 20:39	Jason M Long	25
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009 21:03	Jason M Long	250
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09103WAH625	04/15/2009 15:25	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09103WAH625	04/14/2009 10:10	Cynthia J Salvatori	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009 19:23	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/13/2009 11:50	Dustin A Underkoffler	5
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 12:28	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009 16:21	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009 20:56	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009 18:16	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009 23:20	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009 15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009 09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009 09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009 16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009 20:22	Keith A Hoover	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. WW 5641733

Group No. 1139598
NJ

MW-30d Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 11:46 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

30-D- SDG#: LEC73-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	5.0 J	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	14.3	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.046 J	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	324	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	9.2 J	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	75	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5641733

Group No. 1139598
NJ

MW-30d Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 11:46 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

30-D- SDG#: LEC73-14

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M091051AA	04/15/2009 14:09	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09103WAH625	04/15/2009 16:11	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09103WAH625	04/14/2009 10:10	Cynthia J Salvatori	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009 19:54	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 12:32	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009 17:16	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009 20:57	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009 18:17	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009 22:24	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009 15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009 09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009 09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009 16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009 20:22	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5641734

Group No. 1139598
NJ

MW-28s Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 12:34 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-28S- SDG#: LEC73-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	39	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	100	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	200	9	10
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	1,000	25	5
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	5.8	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.24	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	327	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	6.0 J	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	530	1	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.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5641734

Group No. 1139598
NJ

MW-28s Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 12:34 by SM

Account Number: 09322

Submitted: 04/08/2009 17:45
Reported: 04/24/2009 at 14:34
Discard: 05/25/2009

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

-28S- SDG#: LEC73-15

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091031AA	04/13/2009	21:49	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09103WAH625	04/16/2009	04:26	Brian K Graham	10
08108	625 Water Extraction	EPA 625	1	09103WAH625	04/14/2009	10:10	Cynthia J Salvatori	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/10/2009	20:09	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	090990012A	04/13/2009	12:04	Dustin A Underkoffler	5
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009	12:42	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009	10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196101A	04/16/2009	17:34	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09104106103B	04/14/2009	20:58	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09099105102B	04/09/2009	18:18	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102A	04/13/2009	22:27	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102A	04/10/2009	15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009	09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09100020602A	04/10/2009	09:31	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009	16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040809KAH	04/10/2009	20:22	Keith A Hoover	n.a.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139598
Reported: 04/24/09 at 02:34 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: E091031AA	Sample number(s): 5641726-5641728,5641730-5641732,5641734							
Benzene	N.D.	0.9	ug/l	91	93	80-121	2	30
Ethylbenzene	N.D.	0.8	ug/l	96	93	83-109	4	30
Toluene	N.D.	0.8	ug/l	95	92	83-111	3	30
Xylene (total)	N.D.	0.9	ug/l	95	92	81-115	3	30
Batch number: M091051AA	Sample number(s): 5641729,5641733							
Benzene	N.D.	0.9	ug/l	102	100	80-121	2	30
Ethylbenzene	N.D.	0.8	ug/l	92	92	83-109	0	30
Toluene	N.D.	0.8	ug/l	92	93	83-111	1	30
Xylene (total)	N.D.	0.9	ug/l	91	91	81-115	0	30
Batch number: 09101WAB625	Sample number(s): 5641726-5641728,5641730-5641731							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	130*	118	74-118	10	30
Batch number: 09103WAH625	Sample number(s): 5641732-5641734							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	108	107	74-118	1	30
Batch number: 090990000A	Sample number(s): 5641729							
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	103		80-120		
Methane	N.D.	5.0	ug/l	100		80-120		
Propane	N.D.	1.0	ug/l	103		73-125		
Batch number: 090990012A	Sample number(s): 5641726-5641728,5641730-5641734							
Ethane	N.D.	1.0	ug/l	107		80-120		
Ethene	N.D.	1.0	ug/l	105		80-120		
Methane	N.D.	5.0	ug/l	102		80-120		
Propane	N.D.	1.0	ug/l	108		73-125		
Batch number: 091031848002	Sample number(s): 5641726-5641728,5641730-5641734							
Lead	N.D.	0.0069	mg/l	102		80-120		
Batch number: 09099105102B	Sample number(s): 5641726-5641728,5641730-5641734							
Nitrite Nitrogen	N.D.	0.015	mg/l	108		90-110		
Batch number: 09100109102A	Sample number(s): 5641726-5641728,5641730-5641734							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	95		90-111		
Batch number: 09104106103B	Sample number(s): 5641726-5641728,5641730-5641734							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		
Batch number: 09106196101A	Sample number(s): 5641726-5641728,5641730-5641734							
Sulfate	N.D.	0.30	mg/l	108		89-110		
Batch number: 09100020602A	Sample number(s): 5641726-5641728,5641730-5641734							
Total Suspended Solids	N.D.	3.0	mg/l	93		63-121		

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139598
Reported: 04/24/09 at 02:34 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: 09103021201A	Sample number(s): 5641726-5641728,5641730-5641734							
Total Dissolved Solids	N.D.	9.7	mg/l	98		80-120		
Batch number: 09107022101A	Sample number(s): 5641726-5641728,5641730-5641734							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1

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: E091031AA	Sample number(s): 5641726-5641728,5641730-5641732,5641734 UNSPK: 5641730								
Benzene	101		83-132						
Ethylbenzene	99		82-124						
Toluene	97		84-123						
Xylene (total)	98		79-130						
Batch number: M091051AA	Sample number(s): 5641729,5641733 UNSPK: P643532								
Benzene	109		83-132						
Ethylbenzene	97		82-124						
Toluene	97		84-123						
Xylene (total)	97		79-130						
Batch number: 090990000A	Sample number(s): 5641729 UNSPK: P641618								
Ethane	95	79	68-131	17	20				
Ethene	105	83	46-164	20	20				
Methane	-333 (2)	-500 (2)	35-157	11	20				
Propane	98	87	36-149	12	20				
Batch number: 090990012A	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: P641735								
Ethane	93	78	68-131	18	20				
Ethene	103	89	46-164	15	20				
Methane	88	75	35-157	16	20				
Propane	102	87	36-149	16	20				
Batch number: 091031848002	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: P642511 BKG: P642511								
Lead	100	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09099105102B	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: P641629 BKG: P641629								
Nitrite Nitrogen	81*		90-110			0.023 J	0.021 J	6 (1)	20
Batch number: 09100109102A	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: 5641731 BKG: 5641731								
Total Phosphorus as P (water)	101		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09104106103B	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: 5641726 BKG: 5641726								
Nitrate Nitrogen	98		90-110			0.071 J	0.072 J	2 (1)	2
Batch number: 09106196101A	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: 5641726 BKG: 5641726								

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139598
Reported: 04/24/09 at 02:34 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
Sulfate	103		90-110			6.4	6.2	4 (1)	20
Batch number: 09100020602A	Sample number(s): 5641726-5641728,5641730-5641734 BKG: P641595								
Total Suspended Solids						94.0	94.0	0 (1)	13
Batch number: 09103021201A	Sample number(s): 5641726-5641728,5641730-5641734 UNSPK: P642739 BKG: P642739								
Total Dissolved Solids	104	102	54-143	1	12	2,720	2,670	2	9
Batch number: 09107022101A	Sample number(s): 5641726-5641728,5641730-5641734 BKG: P643208								
Ammonia Nitrogen						28.4	28.8	1	2

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: 090990000A

	Propene
5641729	74
Blank	104
LCS	107
MS	77
MSD	66
Limits:	42-131

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 090990012A

	Propene
5641726	74
5641727	72
5641728	79
5641730	53
5641731	78
5641732	94
5641733	68
5641734	67
Blank	107
LCS	113
MS	80
MSD	71
Limits:	42-131

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09101WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14

*- 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: 1139598
Reported: 04/24/09 at 02:34 PM

Surrogate Quality Control

5641726	78	87	69
5641727	84	86	59
5641728	78	85	75
5641730	92	102	87
5641731	70	86	53
Blank	88	74	71
LCS	92	91	96
LCSD	95	98	92
Limits:	56-120	62-121	44-134

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09103WAH625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5641732	81	109	97
5641733	85	113	99
5641734	66	86	79
Blank	86	108	100
LCS	93	110	98
LCSD	89	113	99
Limits:	56-120	62-121	44-134

Analysis Name: BTEX by 624
Batch number: E091031AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5641726	94	91	92
5641727	94	92	90
5641728	95	92	88
5641730	93	92	86
5641731	97	92	91
5641732	96	92	88
5641734	92	92	95
Blank	94	89	88
LCS	89	91	99
LCSD	92	91	95
MS	90	94	93
Limits:	76-114	80-120	86-115

Analysis Name: BTEX by 624
Batch number: M091051AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5641729	91	92	90
5641733	91	95	90
Blank	92	93	93
LCS	94	95	94
LCSD	88	97	96
MS	92	96	93
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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc.
Reported: 04/24/09 at 02:34 PM

Group Number: 1139598

*- 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# 1138598 Sample # 5641726-34

COC # 202874

temp 2.3-3.3°C

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

For Lab Use Only
FSC:
SCR#:

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

(2) (3) (4) (5) Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab			Water			BTEX	DEHP	Volatile Headspace Hydrocarbons	Total Pas P/NH3	TDS/ISS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC	Remarks
									H	O	H	S	-	S	-	N	O	
[redacted] Dup-02	4-8-09	—	X			X		15	3	2	2	2	2	1	1	1	1	Diss. Lead is
mw-8	4-8-09	0844	X			X		15	3	2	2	2	2	1	1	1	1	field filtered except
ATM-01	4-8-09	0910	X			X		15	3	2	2	2	2	1	1	1	1	ATM-01
TB-03	4-5-09	—				X		5	3		2							
mw-28i	4-8-09	1107	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19	4-8-09	0825	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-S	4-8-09	0936	X			X		15	3	2	2	2	2	1	1	1	1	
MW-30d	4-8-09	1146	X			X		15	3	2	2	2	2	1	1	1	1	
MW-28s	4-8-09	1234	X			X		15	3	2	2	2	2	1	1	1	1	

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

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1058
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]	4-8-09	1300	[signature]	4/8/09	14:45
[signature]	4/8/09	19:45			
			[signature]	4/8/09	1745

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: 4/8/09

Time of Receipt: 1745

Source Code: 01

Unpacker Emp. No.: 2308

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

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	0429483	3.2°C	TB	WI	Y	B	
2	↓	3.2°C	↓	↓	↓	↓	
3	↓	2.4°C	↓	↓	↓	↓	
4	↓	3.3°C	↓	↓	↓	↓	
5	↓	2.3°C	↓	↓	↓	↓	
6	↓	3.1°C	↓	↓	↓	↓	

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]	4/8/09	1822	Unpacking
[illegible]	4/8/09	1904	Place in Storage or Entry
			Entry
			Entry

2174.04

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.

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Lancaster Laboratories

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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

April 21, 2009

SAMPLE GROUP

The sample group for this submittal is 1139726. Samples arrived at the laboratory on Thursday, April 09, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-30i Grab Water	5642467
MW-30s Grab Water	5642468

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	

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,

Amy MacKay
Senior Microbiologist

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. WW 5642467

Group No. 1139726
NJ

MW-30i Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 14:29 by SM

Account Number: 09322

Submitted: 04/09/2009 09:30
Reported: 04/21/2009 at 10:52
Discard: 05/22/2009

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

MW30I SDG#: LEC73-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 625	**GC/MS Semivolatiles**		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	3 J	1	1
SW-846 6010B	**Metals Dissolved**		mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		mg/l	mg/l	
00228	Sulfate	14808-79-8	5.9	1.5	5
EPA 365.1	**Wet Chemistry**		mg/l	mg/l	
00227	Total Phosphorus as P (water)	7723-14-0	0.19	0.080	1
SM20 2540 C	**Wet Chemistry**		mg/l	mg/l	
00212	Total Dissolved Solids	n.a.	474	19.4	1
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	
00206	Total Suspended Solids	n.a.	36.8	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	1.3	0.20	1
SM20 9215 B	**Microbiology**		cfu/ml	cfu/ml	
00307	Heterotrophic Plate Count	n.a.	670	1	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.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09103WAH625	04/15/2009 17:45	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09103WAH625	04/14/2009 10:10	Cynthia J Salvatori	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 13:01	Joanne M Gates	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5642467

Group No. 1139726
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RMT, Inc.
PO Box 8923
Madison WI 53708-8923

MW30I SDG#: LEC73-16

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196602B	04/16/2009 10:24	Ashley M Heckman	5
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102B	04/13/2009 23:21	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102B	04/10/2009 15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009 09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09101020601A	04/11/2009 08:04	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009 16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KS	04/11/2009 13:32	Kimberly A Small	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5642468

Group No. 1139726
NJ

MW-30s Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 15:28 by SM

Account Number: 09322

Submitted: 04/09/2009 09:30
Reported: 04/21/2009 at 10:52
Discard: 05/22/2009

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

MW30S SDG#: LEC73-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1,100	48	50
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	2.0 J	1.5	5
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.14	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	464	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	40.0	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	1.3	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	210	1	n.a.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09103WAH625	04/16/2009 05:13	Brian K Graham	50
08108	625 Water Extraction	EPA 625	1	09103WAH625	04/14/2009 10:10	Cynthia J Salvatori	1
07055	Lead	SW-846 6010B	1	091031848002	04/15/2009 13:04	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091031848002	04/14/2009 10:10	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196602B	04/16/2009 10:39	Ashley M Heckman	5

Lancaster Laboratories
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Analysis Report

Lancaster Laboratories Sample No. WW 5642468

Group No. 1139726
NJ

MW-30s Grab Water
L.E. Carpenter, NJ

Collected: 04/08/2009 15:28 by SM

Account Number: 09322

Submitted: 04/09/2009 09:30
Reported: 04/21/2009 at 10:52
Discard: 05/22/2009

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

MW30S SDG#: LEC73-17

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109102B	04/13/2009 22:37	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109102B	04/10/2009 15:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09103021201A	04/13/2009 09:56	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09101020601B	04/11/2009 08:04	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09107022101A	04/17/2009 16:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KS	04/11/2009 13:32	Kimberly A Small	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139726
Reported: 04/21/09 at 10:52 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: 09103WAH625	Sample number(s): 5642467-5642468							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	108	107	74-118	1	30
Batch number: 091031848002	Sample number(s): 5642467-5642468							
Lead	N.D.	0.0069	mg/l	102		80-120		
Batch number: 09100109102B	Sample number(s): 5642467-5642468							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	95		90-111		
Batch number: 09105196602B	Sample number(s): 5642467-5642468							
Sulfate	N.D.	0.30	mg/l	98		89-110		
Batch number: 09101020601A	Sample number(s): 5642467							
Total Suspended Solids	N.D.	3.0	mg/l	75		63-121		
Batch number: 09101020601B	Sample number(s): 5642468							
Total Suspended Solids	N.D.	3.0	mg/l	75		63-121		
Batch number: 09103021201A	Sample number(s): 5642467-5642468							
Total Dissolved Solids	N.D.	9.7	mg/l	98		80-120		
Batch number: 09107022101A	Sample number(s): 5642467-5642468							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1

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: 091031848002	Sample number(s): 5642467-5642468 UNSPK: P642511 BKG: P642511								
Lead	100	100	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09100109102B	Sample number(s): 5642467-5642468 UNSPK: P642578 BKG: P642578								
Total Phosphorus as P (water)	102		90-110			0.25	0.26	2 (1)	3
Batch number: 09105196602B	Sample number(s): 5642467-5642468 UNSPK: P646322 BKG: P646322								
Sulfate	119*		90-110			29.6	29.5	0	20
Batch number: 09101020601A	Sample number(s): 5642467 BKG: 5642467								
Total Suspended Solids						36.8	37.6	2 (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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139726
Reported: 04/21/09 at 10:52 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: 09101020601B	Sample number(s): 5642468 BKG: 5642468								
Total Suspended Solids						40.0	39.6	1 (1)	13
Batch number: 09103021201A	Sample number(s): 5642467-5642468 UNSPK: P642739 BKG: P642739								
Total Dissolved Solids	104	102	54-143	1	12	2,720	2,670	2	9
Batch number: 09107022101A	Sample number(s): 5642467-5642468 BKG: P643208								
Ammonia Nitrogen						28.4	28.8	1	2

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: 09103WAH625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5642467	76	107	95
5642468	63	90	72
Blank	86	108	100
LCS	93	110	98
LCSD	89	113	99
Limits:	56-120	62-121	44-134

*- 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# 1139726 Sample # 5642467-68

COC # 202876

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

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

Project Name/#: LE CARPENTER PWSID #:

Project Manager: J. OVERVOORDE P.O.#: 6527.35

Sampler: S. MIDDLEBROOK / S. PAWLIKIEWICZ 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			BTEX (H)	DEHP (O)	Chloride Total Phosphate Hydrocarbons (H)	Total Phos P / NH3 (S)	TDS/TSS/Sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss Lead (N)	HPC (O)	Remarks
MW-30i	4-8-09	1429	X			X		8	-	2	-	2	2	-	-	1	1	DISS. LEAD IS
MW-30S	4-8-09	1528	X			X		8	-	2	-	2	2	-	-	1	1	FIELD FILTERED.

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
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
S. Pawlikiewicz	4-8-09	1800	FEDEX		
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:	4-9-09	0930

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: RMT

Date of Receipt: 4-9-09

Time of Receipt: 0930

Source Code: 50-1

Unpacker Emp. No.: 2132

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

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	1.0°	TB	WI	Y	B	
2	↓	0.5°	↓	↓	↓	↓	
3							
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]	4-9-09	1005	Unpacking
[illegible]	4/9/09	1010	Place in Storage or (Entry)
			Entry
			Entry

2174.04

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

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Analysis Report

REVISED

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

May 04, 2009

SAMPLE GROUP

The sample group for this submittal is 1139923. Samples arrived at the laboratory on Thursday, April 09, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-27s Grab Water	5643559
MW-27s Grab Water	5643560
MW-32s Grab Water	5643561
MW-32s Grab Water	5643562
MW-34s Grab Water	5643563
MW-34s Grab Water	5643564
MW-35s Grab Water	5643565
MW-35s Grab Water	5643566
MW-33s Grab Water	5643567
MW-31s Grab Water	5643568
MW-30i Grab Water	5643569
MW-30s Grab Water	5643570
RB-01 Grab Water	5643571
RB-02 Grab Water	5643572
TB-04 Water	5643573

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

Lancaster Laboratories

Analysis Report

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REVISED

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

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

Respectfully Submitted,

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

Lancaster Laboratories Sample No. WW 5643559

Group No. 1139923
NJ

MW-27s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 13:30 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

27S-- SDG#: LEC74-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	1 J	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	52.6	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.96	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	454	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	253	6.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1

General Sample Comments

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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643559

Group No. 1139923
NJ

MW-27s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 13:30 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

27S-- SDG#: LEC74-01

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	13:38	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/15/2009	07:34	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009	13:24	Dustin A Underkoffler	1
00228	Sulfate	EPA 300.0	1	09106196601A	04/16/2009	14:47	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009	18:44	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009	09:17	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103A	04/13/2009	23:01	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103A	04/10/2009	17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009	09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009	14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009	18:30	Luz M Groff	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643560

Group No. 1139923
NJ

MW-27s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 07:10 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--27S SDG#: LEC74-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	43.9	1.5	5
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	477	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	52.8	3.0	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	81	1	n.a.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 20:31	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196601A	04/16/2009 15:33	Ashley M Heckman	5
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009 09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009 14:51	Susan E Hibner	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009 07:26	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643561

Group No. 1139923
NJ

MW-32s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 16:16 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

-32S- SDG#: LEC74-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	18	20
04601	Ethylbenzene	100-41-4	8,200	160	200
04601	Toluene	108-88-3	N.D.	16	20
04601	Xylene (total)	1330-20-7	50,000	180	200
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	8,600	99	100
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	6,900	500	100
07105	Propane	74-98-6	N.D.	1.0	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	122	6.0	20
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.16	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.33	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	612	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	35.2	6.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	1.8	0.20	1

General Sample Comments

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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643561

Group No. 1139923
NJ

MW-32s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 16:16 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

-32S- SDG#: LEC74-03

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	15:59	Jason M Long	200
04601	BTEX by 624	EPA 624	1	E091051AA	04/16/2009	03:19	Stephanie A Selis	20
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/16/2009	06:47	Brian K Graham	100
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009	13:40	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009	08:42	Dustin A Underkoffler	100
00228	Sulfate	EPA 300.0	1	09106196601A	04/22/2009	03:13	Ashley M Heckman	20
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009	18:46	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009	09:18	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103A	04/13/2009	23:02	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103A	04/10/2009	17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009	09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009	14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009	18:30	Luz M Groff	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643562

Group No. 1139923
NJ

MW-32s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 09:50 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--32S SDG#: LEC74-04

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B		**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead		7439-92-1	N.D.	0.0069	1
EPA 300.0		**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate		14808-79-8	116	3.0	10
SM20 2540 C		**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids		n.a.	633	19.4	1
SM20 2540 D		**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids		n.a.	60.0	6.0	1
SM20 9215 B		**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count		n.a.	240	1	n.a.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 20:35	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09105196602B	04/22/2009 00:07	Ashley M Heckman	10
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009 09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009 14:51	Susan E Hibner	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009 07:26	Keith A Hoover	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643563

Group No. 1139923
NJ

MW-34s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 14:55 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

34S-- SDG#: LEC74-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	5	J	2	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	1
07105	Ethene	74-85-1	N.D.		1.0	1
07105	Methane	74-82-8	8,600		500	100
07105	Propane	74-98-6	N.D.		1.0	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**		**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.38	J	0.20	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/15/2009 09:09	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009 15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 13:55	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009 08:56	Dustin A Underkoffler	100
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009 23:03	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009 17:30	Carolyn M Mastropietro	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009 18:30	Luz M Groff	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643564

Group No. 1139923
NJ

MW-34s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 07:55 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--34S SDG#: LEC74-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		ug/l	ug/l	
04601	Benzene	71-43-2	N.D.	9	10
04601	Ethylbenzene	100-41-4	3,600	80	100
04601	Toluene	108-88-3	18 J	8	10
04601	Xylene (total)	1330-20-7	18,000	90	100
SW-846 6010B	**Metals Dissolved**		mg/l	mg/l	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		mg/l	mg/l	
00228	Sulfate	14808-79-8	8.7	1.5	5
EPA 353.2	**Wet Chemistry**		mg/l	mg/l	
00220	Nitrate Nitrogen	14797-55-8	0.16	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.068	0.015	1
SM20 2540 C	**Wet Chemistry**		mg/l	mg/l	
00212	Total Dissolved Solids	n.a.	369	9.7	1
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	
00206	Total Suspended Solids	n.a.	26.4	3.0	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 16:44	Jason M Long	10
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 17:07	Jason M Long	100
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 20:40	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196601A	04/16/2009 16:04	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009 18:47	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009 09:19	Nicole M Kepley	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009 09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009 14:51	Susan E Hibner	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5643565

Group No. 1139923
NJ

MW-35s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 15:30 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

35S-- SDG#: LEC74-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	18	20
04601	Ethylbenzene	100-41-4	13,000	160	200
04601	Toluene	108-88-3	40 J	16	20
04601	Xylene (total)	1330-20-7	100,000	180	200
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1,800	51	50
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	20,000	1,000	200
07105	Propane	74-98-6	N.D.	1.0	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	9.4	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.17	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.19	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	459	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	77.6	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	1.1	0.20	1

General Sample Comments

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

Analysis Report

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Lancaster Laboratories Sample No. WW 5643565

Group No. 1139923
NJ

MW-35s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/08/2009 15:30 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

35S-- SDG#: LEC74-07

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	18:17	Jason M Long	200
04601	BTEX by 624	EPA 624	1	E091051AA	04/16/2009	03:42	Stephanie A Selis	20
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/16/2009	07:34	Brian K Graham	50
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009	14:11	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009	09:11	Dustin A Underkoffler	200
00228	Sulfate	EPA 300.0	1	09106196601A	04/16/2009	16:20	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009	18:51	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009	09:21	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009	23:09	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009	17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009	09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009	14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009	18:30	Luz M Groff	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643566

Group No. 1139923
NJ

MW-35s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 10:05 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--35S SDG#: LEC74-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	680	1	n.a.

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 20:51	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009 07:26	Keith A Hoover	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643567

Group No. 1139923
NJ

MW-33s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 08:20 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

33S-- SDG#: LEC74-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	1,100	48	50
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	8,400	250	50
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	4.8 J	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.11	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.31	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	410	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	74.0	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	6.7	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	2,800	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643567

Group No. 1139923
NJ

MW-33s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 08:20 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

33S-- SDG#: LEC74-09

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 16:22	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/16/2009 08:21	Brian K Graham	50
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009 15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 14:27	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009 09:25	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 20:55	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196601A	04/16/2009 16:35	Ashley M Heckman	5
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009 18:52	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009 09:22	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009 23:10	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009 17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009 09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009 14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009 07:26	Keith A Hoover	n.a.

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643568

Group No. 1139923
NJ

MW-31s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 09:10 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--31S SDG#: LEC74-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	9	10
04601	Ethylbenzene	100-41-4	2,300	8	10
04601	Toluene	108-88-3	N.D.	8	10
04601	Xylene (total)	1330-20-7	9,600	90	100
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	690	10	10
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	2,400	100	20
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	136	6.0	20
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.056 J	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.33	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	556	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	6.4	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	> 5700	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643568

Group No. 1139923
NJ

MW-31s Grab Water
202875
L.E. Carpenter, NJ

Collected: 04/09/2009 09:10 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--31S SDG#: LEC74-10

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	19:04	Jason M Long	10
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	19:27	Jason M Long	100
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/16/2009	09:08	Brian K Graham	10
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009	14:42	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009	09:40	Dustin A Underkoffler	20
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009	21:00	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009	09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09106196601A	04/22/2009	03:28	Ashley M Heckman	20
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009	18:53	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009	09:23	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009	23:12	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009	17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009	09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009	14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009	07:26	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643569

Group No. 1139923
NJ

MW-30i Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/08/2009 14:29 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

30I-- SDG#: LEC74-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	270	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.019 J	0.015	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 17:31	Jason M Long	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 14:58	Dustin A Underkoffler	1
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009 18:57	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009 09:27	Nicole M Kepley	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5643570

Group No. 1139923
NJ

MW-30s Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/08/2009 15:28 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

--30S SDG#: LEC74-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	74	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	340	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	3,700	100	20
07105	Propane	74-98-6	N.D.	1.0	1
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	0.030 J	0.015	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/16/2009 10:30	Jason M Long	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 15:14	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/15/2009 09:54	Dustin A Underkoffler	20
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009 18:58	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101B	04/10/2009 09:28	Nicole M Kepley	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5643571

Group No. 1139923
NJ

RB-01 Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/09/2009 08:40 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

RB1-- SDG#: LEC74-13RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	N.D.	0.30	1
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	1	1	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.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5643571

Group No. 1139923
NJ

RB-01 Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/09/2009 08:40 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

RB1-- SDG#: LEC74-13RB

General Sample Comments

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#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009	14:02	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/15/2009	12:17	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009	15:45	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009	21:04	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009	09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	2	09106196601B	04/22/2009	00:54	Ashley M Heckman	1
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009	18:59	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101A	04/10/2009	09:29	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009	23:13	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009	17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009	09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009	14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009	07:26	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643572

Group No. 1139923
NJ

RB-02 Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/09/2009 09:00 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

RB2-- SDG#: LEC74-14RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	N.D.	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	N.D.	0.30	1
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	N.D.	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	N.D.	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	N.D.	1	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.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643572

Group No. 1139923
NJ

RB-02 Grab Water
202789
L.E. Carpenter, NJ

Collected: 04/09/2009 09:00 by SM

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

RB2-- SDG#: LEC74-14RB

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 14:25	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09104WAB625	04/15/2009 13:04	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09104WAB625	04/14/2009 15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 16:01	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	091041848001	04/15/2009 21:08	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091041848001	04/15/2009 09:00	Denise K Conners	1
00228	Sulfate	EPA 300.0	2	09106196601B	04/22/2009 01:09	Ashley M Heckman	1
00220	Nitrate Nitrogen	EPA 353.2	1	09105106102A	04/15/2009 19:01	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09100105101B	04/10/2009 09:31	Nicole M Kepley	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09100109103B	04/13/2009 23:14	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09100109103B	04/10/2009 17:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09104021201A	04/14/2009 09:43	Susan A Engle	1
00206	Total Suspended Solids	SM20 2540 D	1	09103020601B	04/13/2009 14:51	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09110022101A	04/20/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	040909KAH	04/12/2009 07:26	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5643573

Group No. 1139923
NJ

TB-04 Water
202789
L.E. Carpenter, NJ

Collected: 04/07/2009

Account Number: 09322

Submitted: 04/09/2009 21:30
Reported: 05/04/2009 at 13:11
Discard: 06/04/2009

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

TB-4- SDG#: LEC74-15TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
EPA 624	**GC/MS Volatiles**		**ug/l**	**ug/l**	
04601	Benzene	71-43-2	N.D.	0.9	1
04601	Ethylbenzene	100-41-4	N.D.	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	N.D.	0.9	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	1
07105	Ethene	74-85-1	N.D.	1.0	1
07105	Methane	74-82-8	N.D.	5.0	1
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	E091051AA	04/15/2009 15:12	Jason M Long	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091000011A	04/14/2009 16:16	Dustin A Underkoffler	1

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139923
Reported: 05/04/09 at 01:11 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: E091051AA	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643573							
Benzene	N.D.	0.9	ug/l	95	95	80-121	0	30
Ethylbenzene	N.D.	0.8	ug/l	95	93	83-109	2	30
Toluene	N.D.	0.8	ug/l	95	93	83-111	2	30
Xylene (total)	N.D.	0.9	ug/l	89	87	81-115	3	30
Batch number: 09104WAB625	Sample number(s): 5643559,5643561,5643563,5643565,5643567-5643568,5643571-5643572							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	109	108	74-118	1	30
Batch number: 091000011A	Sample number(s): 5643559,5643561,5643563,5643565,5643567-5643573							
Ethane	N.D.	1.0	ug/l	98		80-120		
Ethene	N.D.	1.0	ug/l	97		80-120		
Methane	N.D.	5.0	ug/l	97		80-120		
Propane	N.D.	1.0	ug/l	95		73-125		
Batch number: 091041848001	Sample number(s): 5643560,5643562,5643564,5643566-5643568,5643571-5643572							
Lead	N.D.	0.0069	mg/l	99		80-120		
Batch number: 09100105101A	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643569,5643571							
Nitrite Nitrogen	N.D.	0.015	mg/l	96		90-110		
Batch number: 09100105101B	Sample number(s): 5643570,5643572							
Nitrite Nitrogen	N.D.	0.015	mg/l	96		90-110		
Batch number: 09100109103A	Sample number(s): 5643559,5643561							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	96		90-111		
Batch number: 09100109103B	Sample number(s): 5643563,5643565,5643567-5643568,5643571-5643572							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	96		90-111		
Batch number: 09105106102A	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643572							
Nitrate Nitrogen	N.D.	0.040	mg/l	107		90-110		
Batch number: 09105196602B	Sample number(s): 5643562							
Sulfate	N.D.	0.30	mg/l	98		89-110		
Batch number: 09106196601A	Sample number(s): 5643559-5643561,5643564-5643565,5643567-5643568							
Sulfate	N.D.	0.30	mg/l	106		89-110		
Batch number: 09106196601B	Sample number(s): 5643571-5643572							
Sulfate	N.D.	0.30	mg/l	106		89-110		
Batch number: 09103020601B	Sample number(s): 5643559-5643562,5643564-5643565,5643567-5643568,5643571-5643572							
Total Suspended Solids	N.D.	3.0	mg/l	93		63-121		

*- 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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139923
Reported: 05/04/09 at 01:11 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: 09104021201A	Sample number(s): 5643559-5643562,5643564-5643565,5643567-5643568,5643571-5643572							
Total Dissolved Solids	N.D.	9.7	mg/l	95		80-120		
Batch number: 09110022101A	Sample number(s): 5643559,5643561,5643563,5643565,5643567-5643568,5643571-5643572							
Ammonia Nitrogen	N.D.	0.20	mg/l	97	96	91-100	1	1

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: E091051AA	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643573 UNSPK: 5643559								
Benzene	103		83-132						
Ethylbenzene	105		82-124						
Toluene	101		84-123						
Xylene (total)	98		79-130						
Batch number: 091000011A	Sample number(s): 5643559,5643561,5643563,5643565,5643567-5643573 UNSPK: P642608								
Ethane	90	76	68-131	16	20				
Ethene	95	79	46-164	19	20				
Methane	-1333 (2)	-1333 (2)	35-157	0	20				
Propane	80	74	36-149	9	20				
Batch number: 091041848001	Sample number(s): 5643560,5643562,5643564,5643566-5643568,5643571-5643572 UNSPK: P642733 BKG: P642733								
Lead	94	94	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09100105101A	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643569,5643571 UNSPK: 5643564 BKG: 5643564								
Nitrite Nitrogen	84*		90-110			0.068	0.063	7 (1)	20
Batch number: 09100105101B	Sample number(s): 5643570,5643572 UNSPK: 5643570 BKG: 5643570								
Nitrite Nitrogen	90		90-110			0.030 J	0.046 J	42* (1)	20
Batch number: 09100109103A	Sample number(s): 5643559,5643561 UNSPK: P643209 BKG: P643209								
Total Phosphorus as P (water)	95		90-110			0.86	0.78	10*	3
Batch number: 09100109103B	Sample number(s): 5643563,5643565,5643567-5643568,5643571-5643572 UNSPK: 5643563 BKG: 5643563								
Total Phosphorus as P (water)	94		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09105106102A	Sample number(s): 5643559,5643561,5643564-5643565,5643567-5643572 UNSPK: 5643564 BKG: 5643564								
Nitrate Nitrogen	111*		90-110			0.23	0.23	1 (1)	2
Batch number: 09105196602B	Sample number(s): 5643562 UNSPK: P646322 BKG: P646322								
Sulfate	119*		90-110			29.6	29.5	0	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.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139923
Reported: 05/04/09 at 01:11 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: 09106196601A	Sample number(s): 5643559-5643561,5643564-5643565,5643567-5643568 UNSPK: P643857 BKG: P643857								
Sulfate	110		90-110			42.1	41.6	1	20
Batch number: 09106196601B	Sample number(s): 5643571-5643572 UNSPK: P646335 BKG: P646335								
Sulfate	122*		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09103020601B	Sample number(s): 5643559-5643562,5643564-5643565,5643567-5643568,5643571-5643572 BKG: 5643559								
Total Suspended Solids						253	261	3	13
Batch number: 09104021201A	Sample number(s): 5643559-5643562,5643564-5643565,5643567-5643568,5643571-5643572 UNSPK: 5643562 BKG: 5643562								
Total Dissolved Solids	102	102	54-143	0	12	633	622	2	9
Batch number: 09110022101A	Sample number(s): 5643559,5643561,5643563,5643565,5643567-5643568,5643571-5643572 BKG: 5643567								
Ammonia Nitrogen						6.7	6.6	1	2

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: 091000011A

	Propene
5643559	69
5643561	80
5643563	78
5643565	71
5643567	59
5643568	61
5643569	73
5643570	67
5643571	77
5643572	79
5643573	79
Blank	109
LCS	99
MS	66
MSD	56
Limits:	42-131

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09104WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14

*- 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

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1139923
Reported: 05/04/09 at 01:11 PM

Surrogate Quality Control

5643559	80	104	90
5643561	81	106	93
5643563	86	110	94
5643565	66	91	79
5643567	58	95	75
5643568	66	90	72
5643571	87	108	97
5643572	85	103	94
Blank	84	115	101
LCS	93	113	97
LCSD	89	113	96
Limits:	56-120	62-121	44-134

Analysis Name: BTEX by 624
Batch number: E091051AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5643559	114	98	91
5643561	107	98	109
5643564	114	98	112
5643565	110	98	114
5643567	108	99	106
5643568	111	98	114
5643569	109	98	92
5643570	108	98	114
5643571	114	98	87
5643572	107	99	87
5643573	109	99	86
Blank	111	98	89
LCS	107	102	100
LCSD	102	100	98
MS	101	101	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# 1139923 Sample # 5643559-73

COC # 202875

temp 1.0-5.1°C

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: J. Overvoorde P.O.#: 6527.35
Sampler: S. Middlebrook/S. Pawlukiewicz Route #:
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

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil	Water (Matrix)	Other	(4) Total # of Containers	BTEX (H)	DEHP (O)	Volatile Headspace Hydrocarbon (H)	Total Pas P/NH_3 (S)	TDS/TSS/sulfate (-)	Nitrate Nitrogen (S)	Nitrite Nitrogen (-)	Diss lead (N)	HPC (O)	Remarks
MW-27s	4-8-09	1330	X			X		12	3	2	2	2	1	1	1			Diss. lead is
MW-27s	4-9-09	0710	X			X		3					1			1	1	field filtered
MW-32s	4-8-09	1616	X			X		12	3	2	2	2	1	1	1			
MW-32s	4-9-09	0950	X			X		3					1			1	1	
MW-34s	4-8-09	1455	X			X		6		2	2	1		1				
MW-34s	4-9-09	0755	X			X		6	3				1		1	1		
MW-35s	4-8-09	1530	X			X		13	3	2	2	2	2	1	1			
MW-35s	4-9-09	1005	X			X		2								1	1	
MW-33s	4-9-09	0820	X			X		15	3	2	2	2	2	1	1	1	1	
MW-31s	4-9-09	0910	X			X		15	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:
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
Scott Pawlukiewicz	4/9/09	1610	B. Lohr	4/9	1610
B. Lohr	4/9	2045			
			Katie Hartline	4/9/09	21:30

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: 4/9/09

Time of Receipt: 20:45

Source Code: 01

Unpacker Emp. No.: 2114

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

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	0177	2.6	TB	WI	Y	B	
2		1.0					
3		2.1					
4		1.0					
5		1.6					
6		5.1					

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

- ~~3US 14:55 rcvd 3, not 6~~ they are all there - ok
~~8US 7:55 rcvd 3, not 6~~

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Katie Hartline	4/9/09	21:30	Unpacking
[illegible]	4/9/09	2254	Place in Storage or Entry
			Entry
			Entry

2174.04

Lancaster Laboratories

May 4, 2009

Ms. Jen Overvoorde
RMT, Inc.
Suite 402
2025 East Beltline Avenue SE
Grand Rapids, MI 49546

Dear Ms. Overvoorde:

I am writing to inform you of revised analytical reports that are being issued for the following:

Project No. L. E. Carpenter

Group No. 1139923 **SDG. LEC74**

LLI Sample No.	Client Sample Identification	Collection Date
5643571	RB-01 Grab Water	04/09/2009

The correction to the data affects the sulfate analysis only.

During an additional review of this data, it was determined that the analysis date and time were incorrect. The result reported was correct.

The revised analytical report reflects this correction and is enclosed.

You are a valued client and we apologize for any inconvenience that this incident may have caused. If you have any questions or require further assistance, please call me at 717-656-2300, Ext. 1512. We appreciate your business and look forward to continuing to serve your laboratory needs.

Sincerely,

Tonya M. Beck

Tonya M. Beck
Senior Chemist/Group Leader
Instrumental Water Quality

TMB/mcs
Enclosures

cc: Barb Weyandt

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

Shipping Address:
Lancaster Laboratories, Inc
2425 New Holland Pike
Lancaster, PA 17601

Environmental • Pharmaceuticals • Biopharmaceuticals • Professional Scientific Staffing℠

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

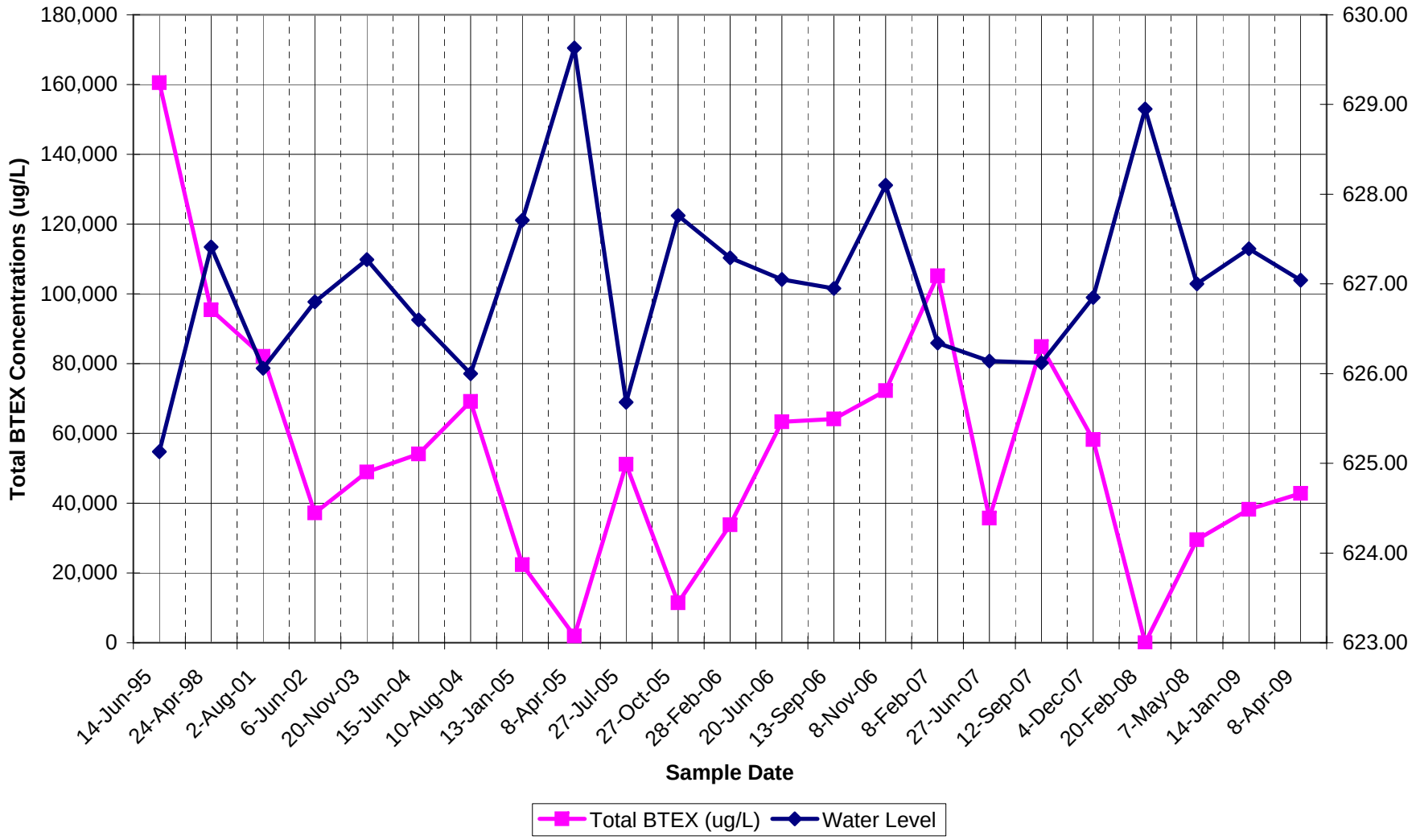
Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

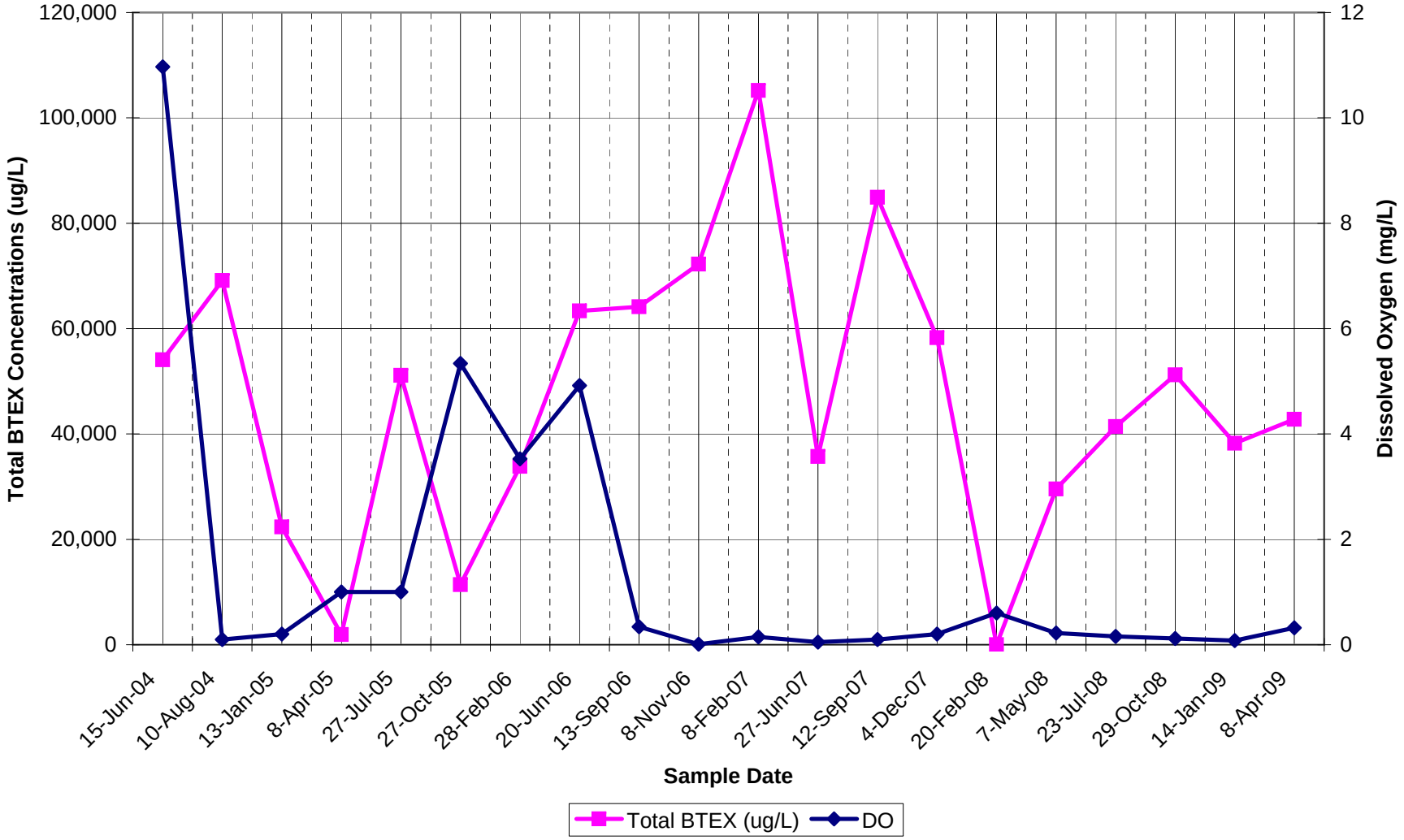
WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, 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

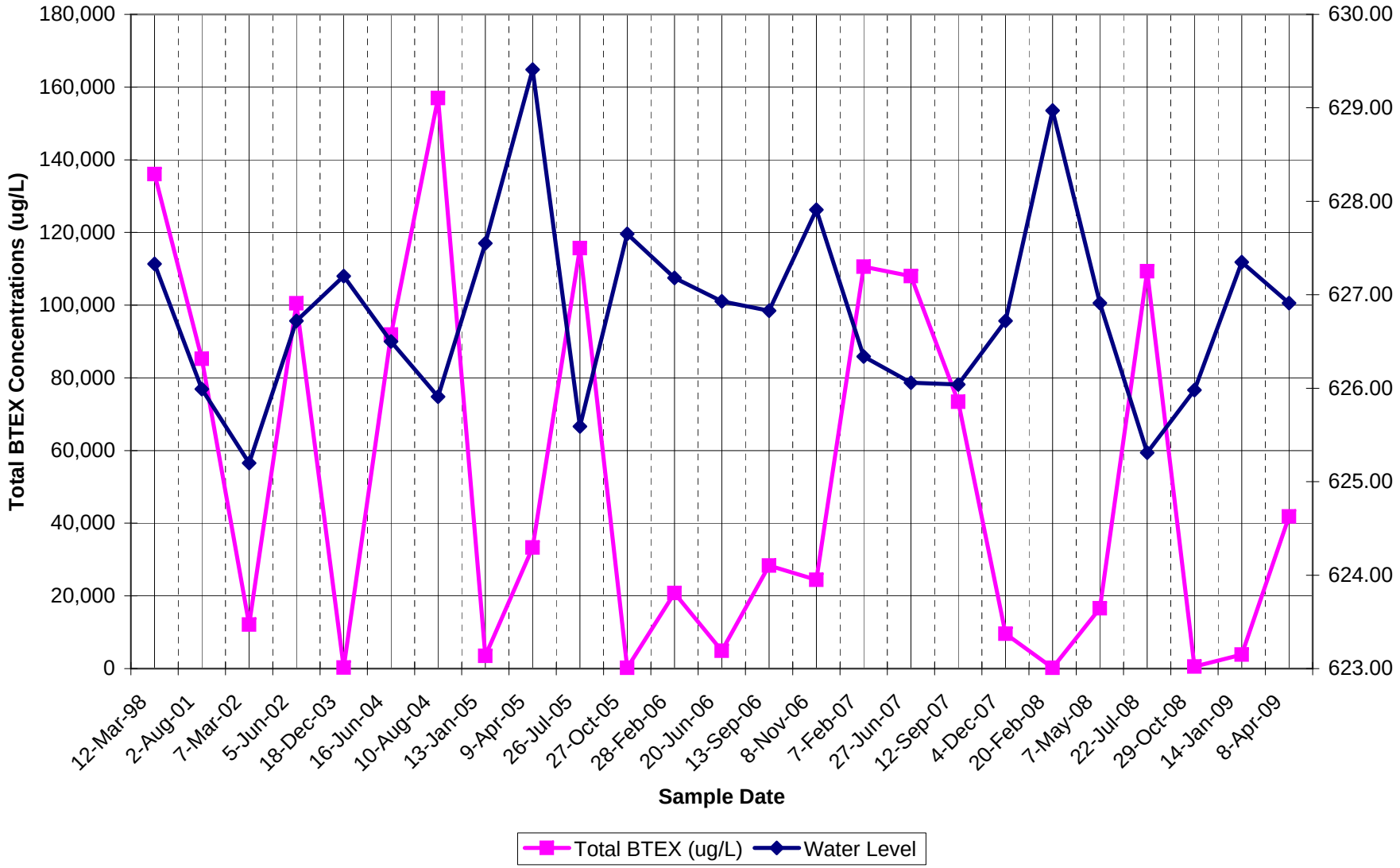
Total BTEX Concentrations vs. Water Levels for MW-19



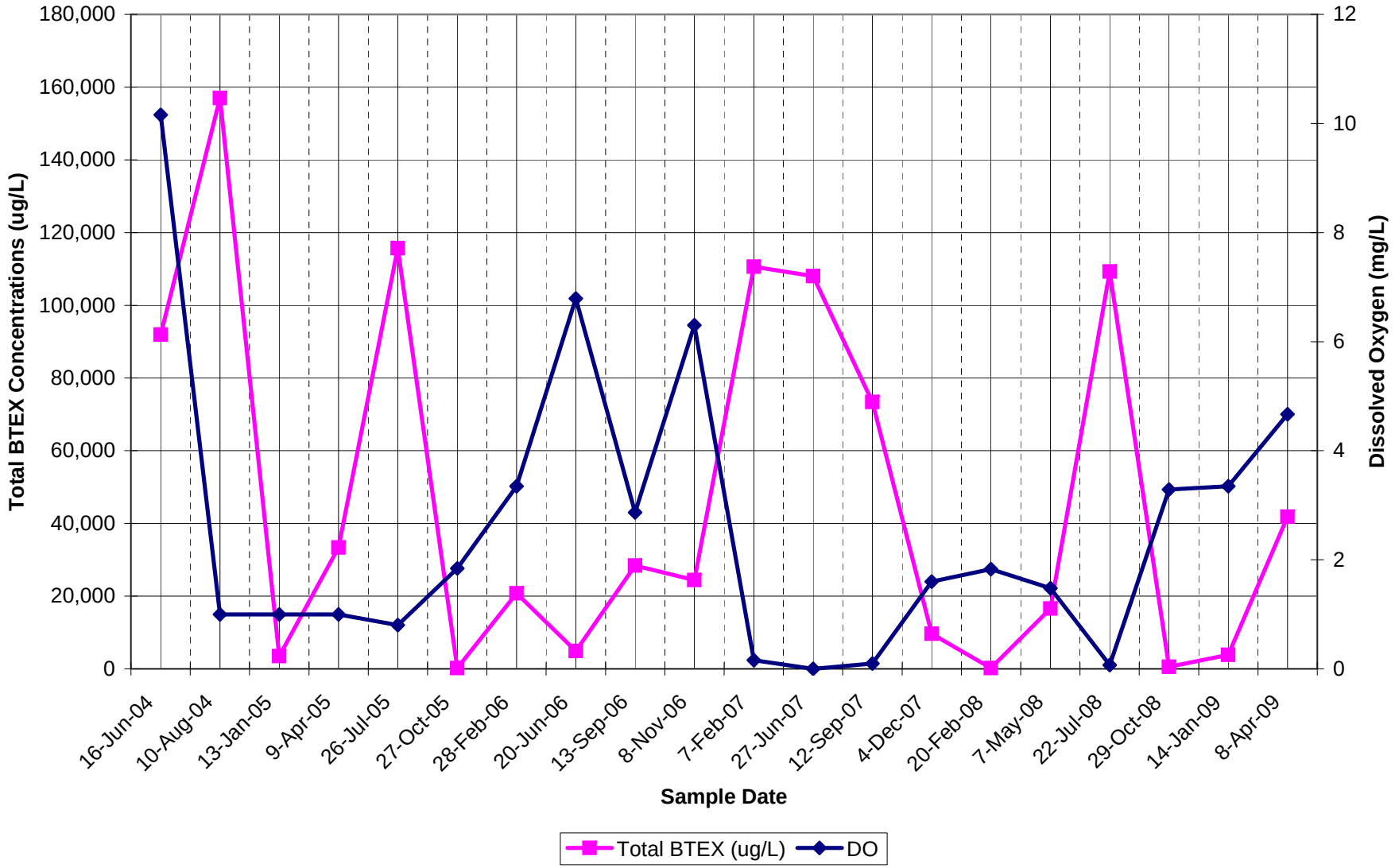
Total BTEX Concentrations vs. Dissolved Oxygen for MW-19



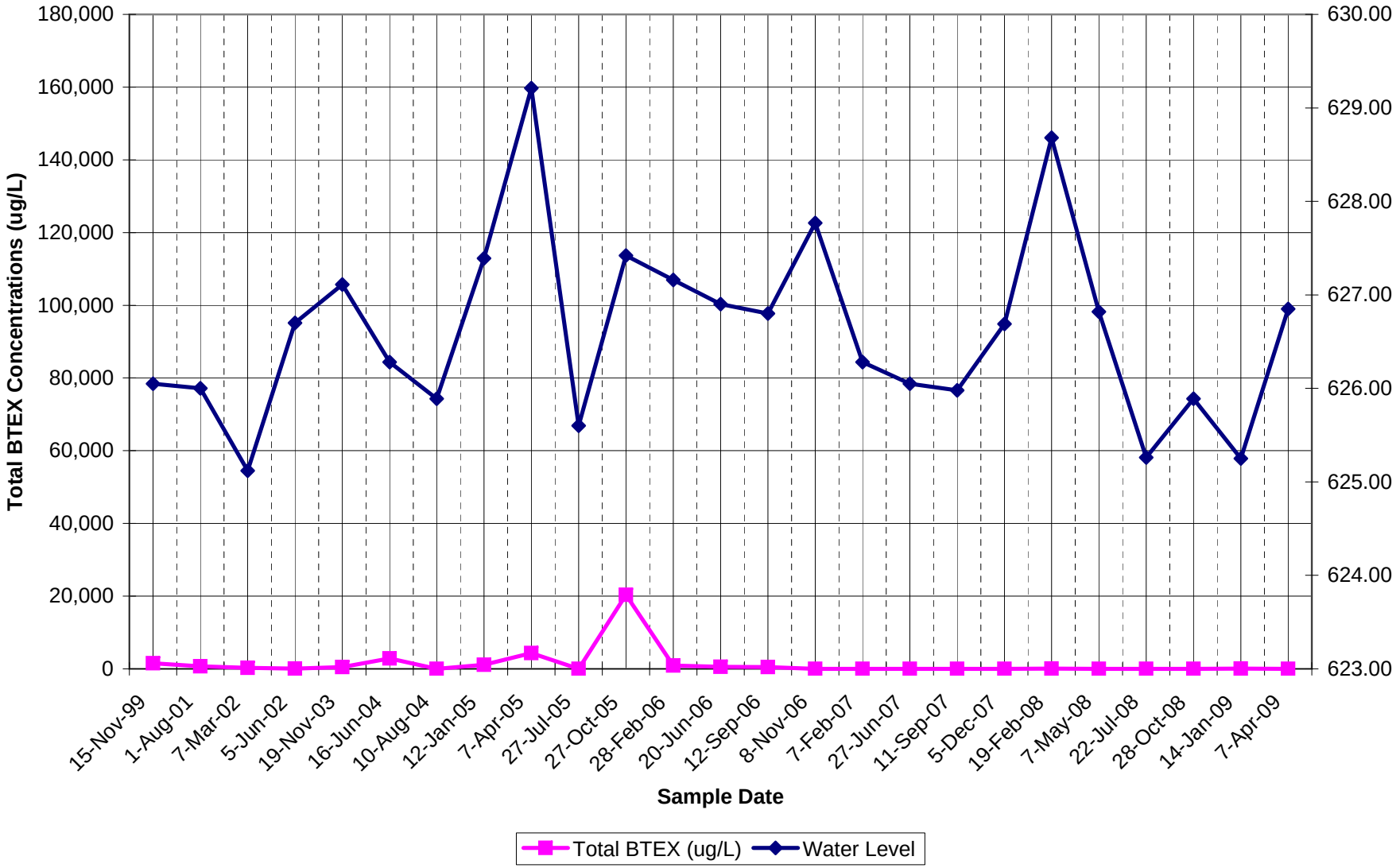
Total BTEX Concentrations vs. Water Levels for MW-19-5



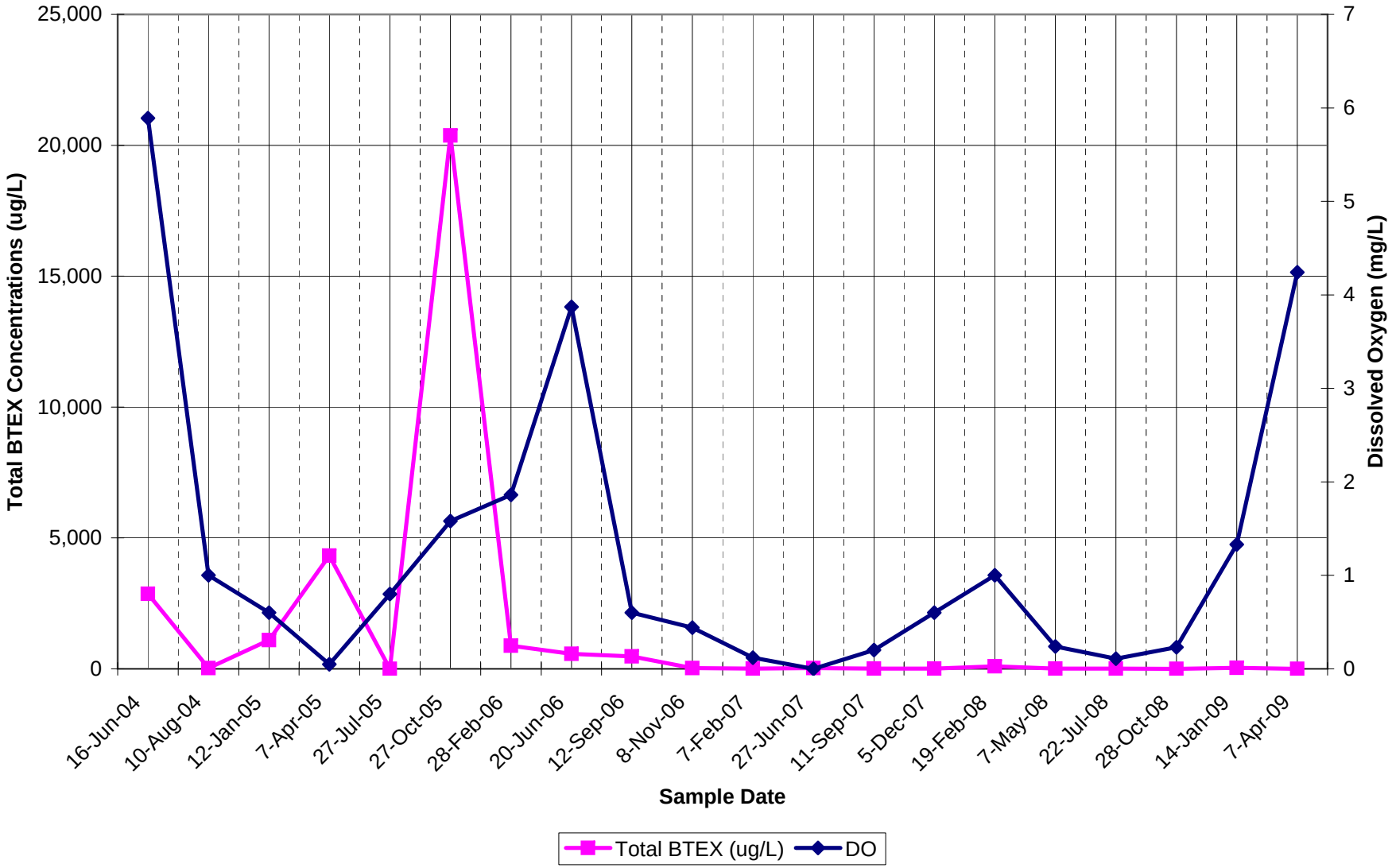
Total BTEX Concentrations vs. Dissolved Oxygen for MW-19-5



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	4/9/09

Description

Standing near MW-29s looking west across site.

Photo No.	Date
2	4/9/09

Description

Standing near MW-29s (shown in foreground) looking southeast toward MW-30d, MW-30i, MW-30s.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
3	4/9/09

Description

Standing near MW-33s looking west across site. Monitoring wells MW-28s & i can be seen in the middle of the picture.

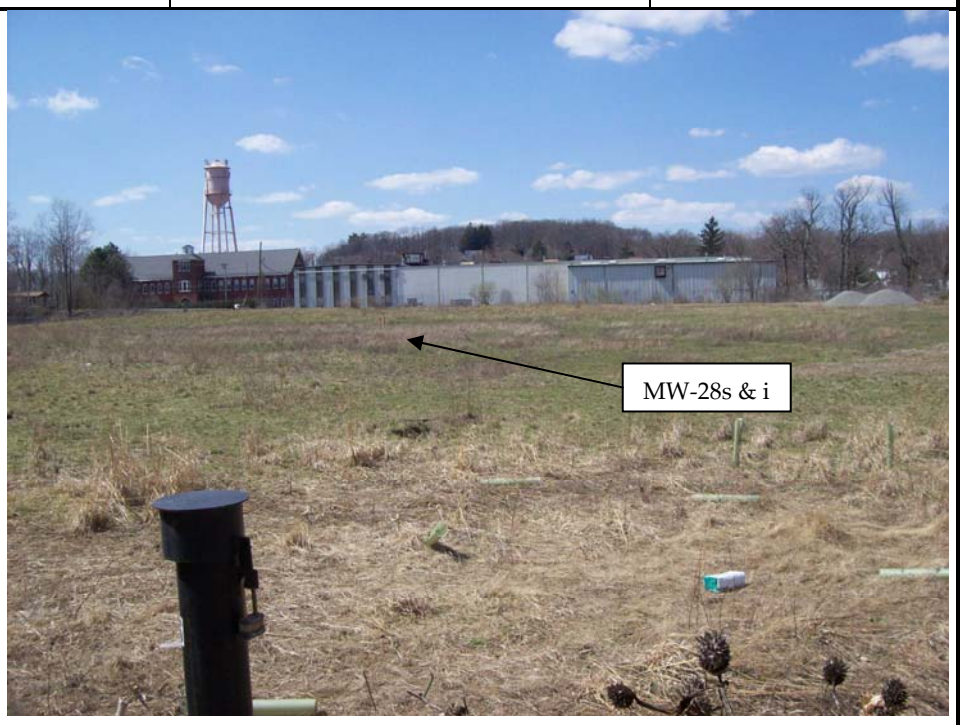
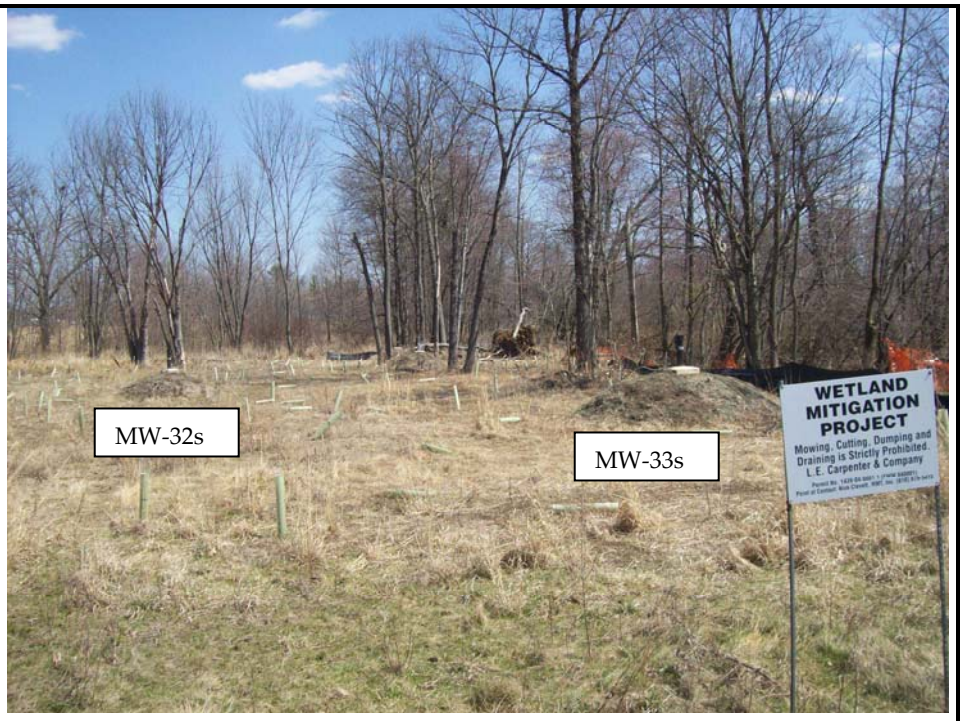


Photo No.	Date
4	4/9/09

Description

Standing just outside of wetland area looking east into wetland area. Monitoring wells MW-32s and MW-33s are shown in the picture.



RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
5	4/9/09

Description

Standing in wetland area looking north toward MW-32s and MW-31s.

Photo No.	Date
6	4/9/09

Description

Standing South of SW-D-4 looking east down the drainage ditch.

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
7	4/9/09

Description

Looking southeast at the Rockaway River near SG-R-3 (shown in picture).

Photo No.	Date
8	4/9/09

Description

Surface water monitoring location SW-R-1, looking west up 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	4/9/09

Description

Ditch River Confluence (DRC-2). Looking north (upstream) in the ditch toward SW-D-5 and the Beaver Dam.

Photo No.	Date
10	4/9/09

Description

Standing near SW-D-5 (beaver dam) looking southeast at the ditch leading toward the Rockaway River.

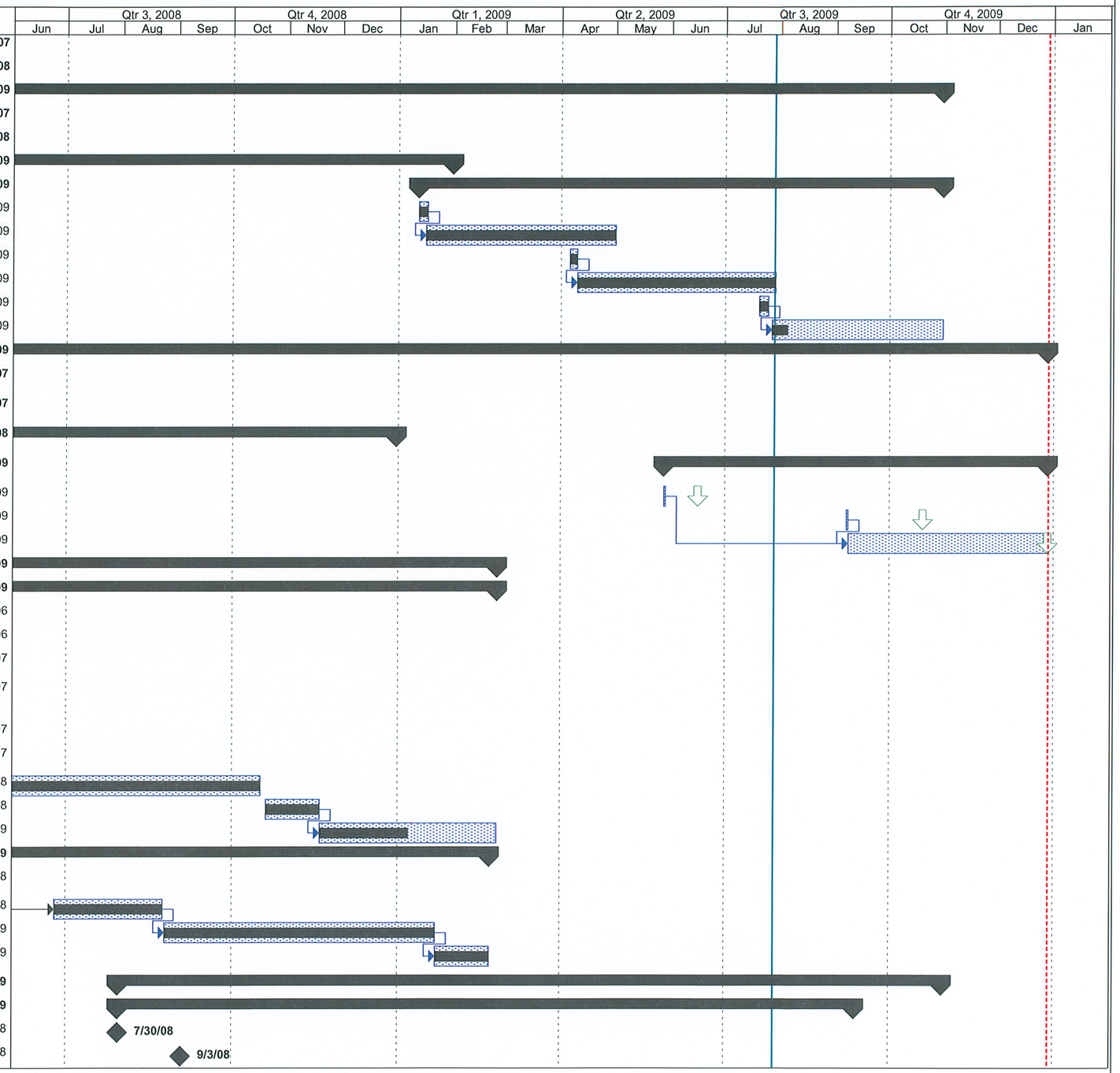
Appendix E
Project Schedule

2009 LEC Project Update

L. E. Carpenter & Company ~ Wharton NJ
Master Project Schedule

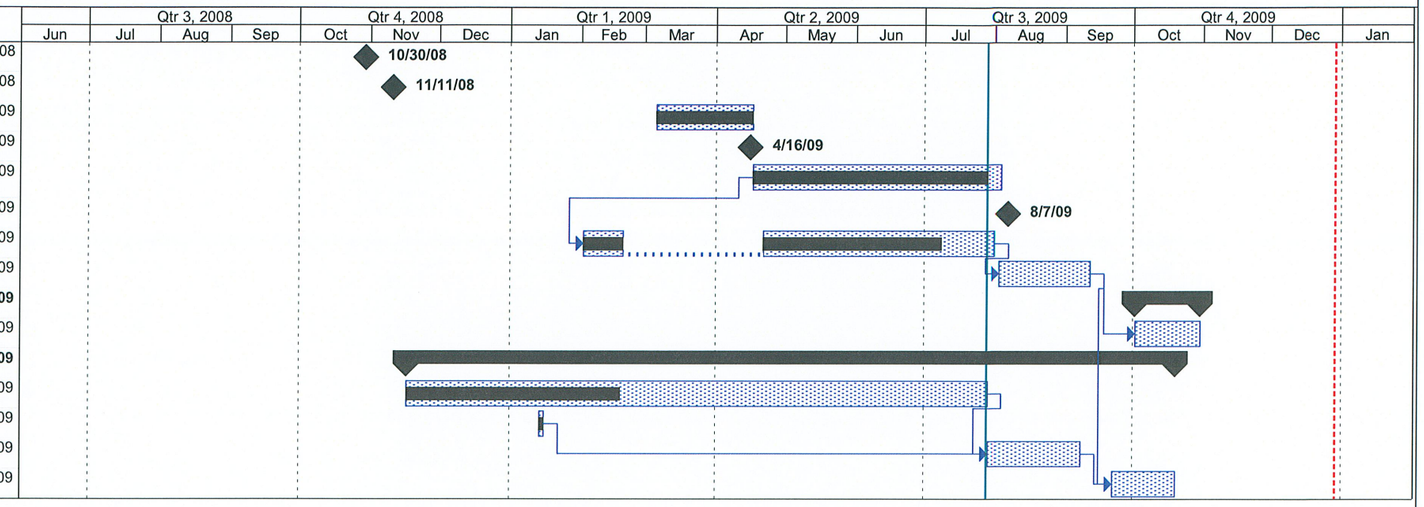
USEPA ID No. NJD002168748
Tue 7/28/09

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**	**960 days**	**Mon 2/27/06**	**Fri 10/30/09**
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**	**210 days**	**Mon 1/12/09**	**Fri 10/30/09**
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	78 days	Fri 4/10/09	Tue 7/28/09
149	Conduct 3Q09 Monitoring Event	5 days	Mon 7/20/09	Fri 7/24/09
150	Prepare and Submit 3Q09 Monitoring Report	70 days	Mon 7/27/09	Fri 10/30/09
151	**WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING**	**935 days**	**Tue 5/30/06**	**Mon 12/28/09**
152	**2006 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**225 days**	**Tue 5/30/06**	**Mon 4/9/07**
158	**2007 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**158 days**	**Tue 5/15/07**	**Thu 12/20/07**
163	**2008 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**167 days**	**Mon 5/12/08**	**Tue 12/30/08**
167	**2009 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**153 days**	**Thu 5/28/09**	**Mon 12/28/09**
168	Spring 2009 Monitoring & Invasive Species Control Event	1 day	Thu 5/28/09	Thu 5/28/09
169	Fall 2009 Monitoring and Invasive Species Control Event	1 day	Mon 9/7/09	Mon 9/7/09
170	2009 Annual Wetland Monitoring Report Preparation and Submittal	80 days	Tue 9/8/09	Mon 12/28/09
171	**REMEDIAL INVESTIGATIONS (RI)**	**782 days**	**Mon 2/27/06**	**Tue 2/24/09**
172	**MW19/HOT SPOT 1 AREA**	**782 days**	**Mon 2/27/06**	**Tue 2/24/09**
173	MW19/Hot Spot 1 Soil Gas Investigation	4 days	Mon 2/27/06	Thu 3/2/06
174	Prepare and submit the MW19/Hot Spot 1 Soil Gas Investigation Report	37 days	Mon 3/20/06	Tue 5/9/06
175	Regulatory review and comment on MW19/Hot Spot 1 Soil Gas Investigation Report	291 days	Wed 5/10/06	Wed 6/20/07
176	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
177	Regulatory approval of the 45-Day RASR extension	0 days	Fri 7/27/07	Fri 7/27/07
178	Perform Subsurface Investigation, Evaluate Remedial Alternatives, Prepare and Submit the RASR	54 days	Thu 6/21/07	Tue 9/4/07
179	NOD Oct 16, 2008 [NJDEP Review of the RASR]	292 days	Wed 9/5/07	Thu 10/16/08
180	Prepare & Submit RIW [Respond to NOD]	30 edays	Mon 10/20/08	Wed 11/19/08
181	USEPA & NJDEP Discussions & Review of MW19HS1 2008 RIW	70 days	Wed 11/19/08	Tue 2/24/09
182	**MW-30 SOURCE AREA**	**210 days**	**Fri 5/2/08**	**Sat 2/21/09**
183	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
184	RIW Preparation	60 edays	Wed 6/25/08	Sun 8/24/08
185	USEPA RIW Review Period	150 edays	Mon 8/25/08	Thu 1/22/09
186	LEC and RMT review of USEPA RIW Comments & Communications with USEPA	30 edays	Thu 1/22/09	Sat 2/21/09
187	**MW-30 & MW19HS1 REMEDIATION**	**328 days**	**Wed 7/30/08**	**Fri 10/30/09**
188	**USEPA UAO, SOW & RAWP**	**293 days**	**Wed 7/30/08**	**Fri 9/11/09**
189	USEPA RI/FS Letter	0 days	Wed 7/30/08	Wed 7/30/08
190	P1 Response Letter to USEPA Letter (7/30/08)	0 days	Wed 9/3/08	Wed 9/3/08



Tue 7/28/09

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

ID		Task Name	Duration	Start	Finish
191		USEPA Response to P1 Letter (9/3/08)	0 days	Thu 10/30/08	Thu 10/30/08
192		P1 Response Letter to USEPA Letter (10/30/08)	0 days	Tue 11/11/08	Tue 11/11/08
193	✓	SOW Negotiations	30 days	Fri 3/6/09	Thu 4/16/09
194		EPA, P1 and RMT UAO and SOW Confernce Call	0 days	Thu 4/16/09	Thu 4/16/09
195		UAO and SOW negotiations, receipt of final draft, and follow-up conference call	77 days	Fri 4/17/09	Mon 8/3/09
196		UAO and SOW effective date	0 days	Fri 8/7/09	Fri 8/7/09
197		Addendum to 2004 RAWP	87 days	Mon 2/2/09	Fri 7/31/09
198		USEPA Review and Approval of 2004 RAWP Addendum	30 days	Mon 8/3/09	Fri 9/11/09
199		**MW-30 AOC**	**21 days**	**Fri 10/2/09**	**Fri 10/30/09**
200		2004 RAWP Addendum Implementation	21 days	Fri 10/2/09	Fri 10/30/09
201		**MW19HS1 AOC**	**241 days**	**Mon 11/17/08**	**Mon 10/19/09**
202		Bldg 9 Demolition Assessment, Abatement & Permitting	182 days	Mon 11/17/08	Tue 7/28/09
203	✓	Pre-Demolition Surveying	2 days	Wed 1/14/09	Thu 1/15/09
204		Bldg 9 Demolition	29 days	Wed 7/29/09	Mon 9/7/09
205		2004 RAWP Addendum Implementation	20 days	Tue 9/22/09	Mon 10/19/09