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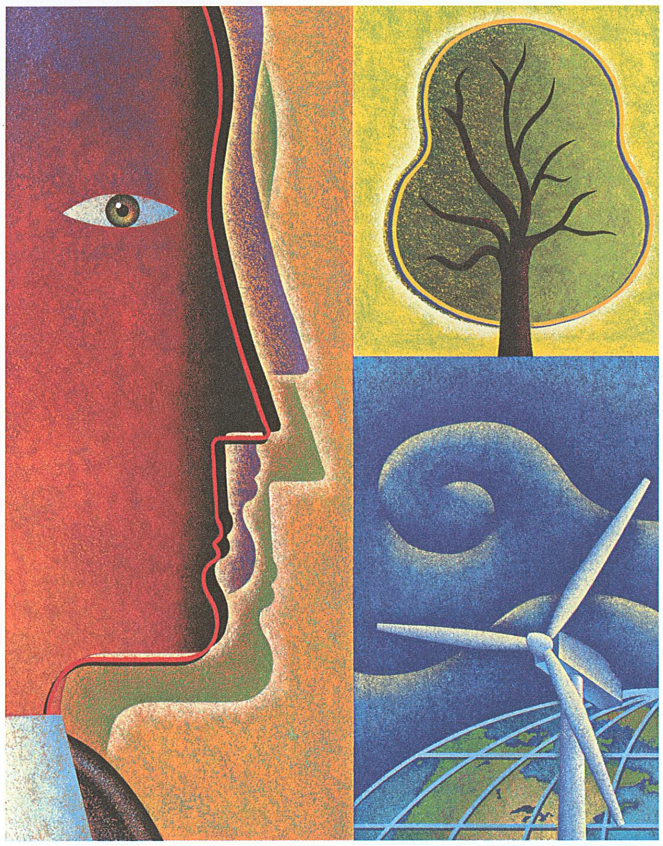
Quarterly Monitoring Report
3rd Quarter 2009

Dayco Corporation/L.E. Carpenter & Company Superfund Site
Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

October 2009



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Prepared For
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Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the Dayco Corporation/L.E. Carpenter & Company (LEC) Superfund Site ("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 49 of the 2009 Unilateral Administrative Order (UAO) issued to LEC by the USEPA (effective August 6, 2009). We provide a summary of activities completed during the third quarter of 2009 (3Q09), 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 3Q09:

- 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 2009 UAO, and as described 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 New Jersey Department of Environmental Protection (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 USEPA in the Remedial Design (RD) Report Addendum No. 2 [formerly called 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 RD Report Addendum No. 2 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 became effective August 6, 2009, following the teleconference with USEPA. The streamlined approach outlined above was presented in an Addendum to the USEPA approved Remedial Action Work Plan (RAWP) that was submitted on September 3, 2009, and is currently under USEPA review [Note: the original RAWP was prepared by RMT and submitted in April 2004, and following a comment and response period was approved on December 21, 2004].

- 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 3Q09. A thin measurable thickness of Light Non Aqueous Phase Liquid (LNAPL) was detected at one wetland monitoring well during the 3Q09 monitoring event.

  In August 2008, RMT submitted an RD Report Addendum No. 1 (formerly called the MW-30 Source Area RIW) to further evaluate concentrations and LNAPL remaining in this area. The RD Report Addendum No. 1 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 comments on the August 2008 RD Report Addendum No. 1 was 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 RD Report Addendum No. 1 (including responses to comments) was also presented in RMT's September 3, 2009 Addendum to the USEPA approved RAWP, currently under USEPA review.

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-2 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. This approach was detailed in the September 3, 2009 Addendum to the USEPA approved RAWP, currently under USEPA review.

2.1 Sampling Methodology

RMT conducted the 3Q09 groundwater monitoring activities July 20 through July 23, 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-4 (Dup-01) and MW-30(i) (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 37 groundwater monitoring wells on July 20, 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).

Ten (10) 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 3Q09 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 Site 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 Site Contaminants of Concern (COCs)

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 MW19/Hot Spot 1 Area is shown on Figure 5. RMT sampled groundwater from the MW19/Hot Spot 1 monitoring wells on July 21 and 22, 2009. Corresponding field sampling data and analytical laboratory reports are presented in Appendix A and Appendix B, respectively. BTEX concentration trend charts for select MW19 Hot Spot 1 Area monitoring wells are presented in Appendix C.

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 3Q09 monitoring event.

Benzene, ethylbenzene, toluene, and total xylenes exceeded the higher of the C2A NJGWQS and PQL of 1 μg/L, 700 μg/L, 1000 μg/L, and 1000 μg/L, respectively, in groundwater collected from MW-19 and MW-19-5.

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 either MW-19-7 or MW-19-12. In fact, the "plume" of dissolved phase constituents of concern appears to have shrunk because no exceedences of C2A NJGWQS have occurred in these wells 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 at MW-19-7 show that no COCs above C2A 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 could take many years before achieving acceptable cleanup levels. As outlined in Sections 1 and 2 above, 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 RD Report Addendum No. 2 and September 2007 RASR, respectively, and focusing the remedial alternative on soil excavation only. As discussed above this

streamlined approach was presented in the September 3, 2009 Addendum to the USEPA approved RAWP, currently under USEPA review.

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

The 3Q09 monitoring event marks the sixth time that all of the wells specified in the PRMP have been sampled. The 3Q09 sampling event is the fourteenth 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 Site 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 625.5 and 626-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 3Q09 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 xylenes have not been detected in intermediate well MW-28i since 4Q06. Samples collected from MW-28s contain levels of dissolved ethylbenzene and xylene; however, the concentrations appear to be generally decreasing over time and no BTEX constituents are present at levels that exceed current C2A 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 C2A NJGWQS; all BTEX have been either not detected or below C2A NJGWQS for the last six sampling events. The trend of DEHP in well MW-30s, while fluctuating somewhat from quarter to quarter, appears to be downward. For the last eleven events, no Site COCs have been detected in wells MW-30i and MW-30d, with the exception of four 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 Site COCs 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 RD Report Addendum No. 1 to further evaluate concentrations remaining in this area. This RD Report Addendum No. 1 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 RD Report Addendum No. 1 were received from the USEPA in late January. The scope of work outlined in the August 2008 RD Report Addendum No. 1 was presented in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004),submitted on September 3, 2009, and currently under USEPA review.

As part of the 3Q09 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; all of these wells are located outside of and downgradient from the source reduction excavation area. 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 3Q09, 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 benzene, ethylbenzene and total xylenes above the higher of the C2A NJGWQS and PQL (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 described in the September 3, 2009 Addendum to the USEPA approved RAWP; the Addendum focuses 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 Site COC concentrations detected in the drainage ditch and Rockaway River samples against the New Jersey Surface Water Quality Criteria for Toxic Substances (NJSWQC) 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 3Q09 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 3Q09 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-2 and SW-D-4. BTEX was not detected in any ditch sample. Migration of Site COCs into the ditch environment will be addressed during the upcoming on-site investigations that are 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 3Q09 and activities anticipated for completion during 4Q09 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 an RD Report Addendum No. 1 (formerly called the MW-30 Source Area RIW) regarding dissolved phase contamination entering the ditch and river. The RD Report Addendum No. 1 was submitted in response to the requirements outlined in NJDEP's NOD received on June 25, 2008. The RD Report Addendum No. 1 scope also addressed the delineation of LNAPL in the wetland area. USEPA comments on the August 2008 RD Report Addendum No. 1 were received in January 2009. The scope of work outlined in the August 2008 RD Report Addendum No. 1 (including responses to comments) was presented in the September 3, 2009 Addendum to the USEPA approved RAWP, currently under USEPA review.

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 a 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 RD Report Addendum No. 2

(formerly called the RIW) to address the NOD and submitted it to the 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 RD Report Addendum No. 2 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 was presented in the September 3, 2009 Addendum to the USEPA approved RAWP, currently under USEPA review.

5.3 Wetland Monitoring, Invasive Species Control, and Reporting

The fall 2009 wetland monitoring and invasive species control activities were completed during the week of August 31, 2009. The annual report will be submitted in December 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 are addressed in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004), submitted September 3, 2009, and currently under USEPA review.

Tables

TABLE 1

L.E. Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey

Quarterly Groundwater Elevations

3rd Quarter 2009

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	20-Jul-09		10.35	--	627.25		
GEI-2S	Piezometer	754566	470506.18	634.86	637.27	637.07	20-Jul-09		NM-DRY	--	--		
GEI-3I	Piezometer	754311.79	470453.7	636.96	639.39	639.25	20-Jul-09		12.55	--	626.70		
MW-8	Monitoring Well	754099.29	471251.06	627.39	629.96	628.19	20-Jul-09		3.13	--	625.06		
MW-9	Monitoring Well	754075.94	471111.03	628.61	631.09	629.58	20-Jul-09		3.95	--	625.63		
MW-12S(R)	Monitoring Well	754055.97	471042.34	631.57	634.26	633.73	20-Jul-09		8.07	--	625.66		
MW-13S	Monitoring Well	754353.97	471370.04	627.74	630.80	630.63	21-Jul-09		5.33	--	625.30		
MW-13S(R)	Monitoring Well	754333.07	471365.71	627.66	630.36	629.99	21-Jul-09		NM	--	--		
MW-13I	Monitoring Well	754337.8	471360.31	627.76	630.28	630.06	21-Jul-09		4.45	--	625.61		
MW-15S	Monitoring Well	754326.58	470891.83	634.23	636.43	636.17	20-Jul-09		10.05	--	626.12		
MW-15I	Monitoring Well	754325.8	470901.47	634.14	636.28	636.06	20-Jul-09		10.06	--	626.00		
MW-17(S)	Monitoring Well	754109.68	470759.85	632.35	634.32	634.19	20-Jul-09		8.08	--	626.11		
MW-18S	Monitoring Well	754677.95	471117.26	627.62	630.88	630.66	20-Jul-09		5.00	--	625.66		
MW-18I	Monitoring Well	754675.11	471106.07	627.75	630.59	630.44	20-Jul-09		4.60	--	625.84		
MW-19	Monitoring Well	754537.15	470454.45	636.22	636.23	635.90	20-Jul-09		9.08	--	626.82		
MW-19-1	Monitoring Well	754534.52	470427.63	635.93	635.96	635.64	20-Jul-09		8.76	--	626.88		
MW-19-2	Monitoring Well	754551.81	470429.56	636.46	636.50	636.30	20-Jul-09		9.36	--	626.94		
MW-19-3	Monitoring Well	754539.4	470394.2	636.97	637.06	636.70	20-Jul-09		9.80	--	626.90		
MW-19-4	Monitoring Well	754505.39	470432.08	635.69	635.76	635.43	20-Jul-09		8.34	--	627.09		
MW-19-5	Monitoring Well	754565.53	470470.75	635.93	635.93	635.56	20-Jul-09		8.75	--	626.81		
MW-19-6	Monitoring Well	754578.87	470443.1	636.17	636.16	635.82	20-Jul-09		8.92	--	626.90		
MW-19-7	Monitoring Well	754595.66	470501.7	635.31	635.36	635.00	20-Jul-09		8.16	--	626.84		
MW-19-8	Monitoring Well	754617.42	470493.65	635.82	635.82	635.36	20-Jul-09		8.62	--	626.74		
MW-19-9D	Monitoring Well	754590	470442	636.39	636.41	636.10	20-Jul-09		8.66	--	627.44		
MW-19-12	Monitoring Well	754627.53	470529.72	634.93	634.93	634.46	20-Jul-09		7.89	--	626.57		
MW-21 (3)	Monitoring Well	754240.97	471645.78	624.57	628.49	628.20	20-Jul-09		3.12	--	625.08		
MW-25(R) (3)	Monitoring Well	754201.83	471518.21	624.65	626.77	626.62	20-Jul-09		2.37	--	624.25		
MW-27s	Monitoring Well	754253.78	470672.69	635.82	635.78	635.07	20-Jul-09		8.81	--	626.26		
MW-28S	Monitoring Well	754243.26	471034.34	628.20	631.28	631.14	20-Jul-09		5.66	--	625.48		
MW-28I	Monitoring Well	754242.87	471031.19	628.25	631.20	631.04	20-Jul-09		5.50	--	625.54		
MW-29S	Monitoring Well	754411.14	471187.85	629.94	632.83	632.66	20-Jul-09		7.28	--	625.38		
MW-30S	Monitoring Well	754281.65	471265.12	624.99	628.24	628.24	20-Jul-09		3.05	--	625.19		
MW-30I	Monitoring Well	754286.42	471263.15	625.14	628.15	628.01	20-Jul-09		2.89	--	625.12		
MW-30D	Monitoring Well	754290.05	471261.2	625.20	628.22	628.02	20-Jul-09		2.84	--	625.18		
MW-31S	Monitoring Well	754241.65	471341.5	627.94	630.00	629.82	20-Jul-09		5.00	--	624.82		
MW-32S	Monitoring Well	754207.08	471359.83	628.15	630.33	630.18	20-Jul-09	6.11	6.15	--	624.03	0.04	624.06
MW-33S	Monitoring Well	754170.51	471311.04	628.85	631.06	630.91	20-Jul-09		6.23	--	624.68		
MW-34S	Monitoring Well	754178.83	471399.49	628.07	629.97	629.93	20-Jul-09		5.74	--	624.19		
MW-35S	Monitoring Well	754179.62	471445.17	627.43	629.59	629.19	20-Jul-09		4.94	--	624.25		
SG-R2 (3)	Rockaway River Monitoring Point	754056.10	470946.46	629.41	-	-	20-Jul-09		2.96	--	626.45		
SW-R-1 (4)	Rockaway River Monitoring Point	754125.56	471523.00	625.87	-	-	20-Jul-09		2.70	--	623.17		
SW-R-2 (4)	Rockaway River Monitoring Point	754112.82	471426.51	626.54	-	-	20-Jul-09		DRY	--	--		
SW-R-3 (4)	Rockaway River Monitoring Point	754149.30	471368.76	626.25	-	-	20-Jul-09		1.98	--	624.27		
SW-R-4 (4)	Rockaway River Monitoring Point	754088.00	471279.58	627.57	-	-	20-Jul-09		2.69	--	624.88		
SW-R-5 (4)	Rockaway River Monitoring Point	754314.04	470408.85	640.66	-	-	20-Jul-09		1.81	--	638.85		
SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	631.68	-	-	20-Jul-09		NM	--	--		
SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	625.75	-	-	21-Jul-09		1.74	--	624.01		
SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	626.07	-	-	21-Jul-09		1.97	--	624.10		
SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	625.70	-	-	21-Jul-09		1.53	--	624.17		
SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08	624.93	-	-	20-Jul-09		0.82	--	624.11		
SW-D-5	Drainage Channel Monitoring Point	754223.14	471920.10	626.86	-	-	20-Jul-09		2.84	--	624.02		
DRC-2	Drainage Channel Monitoring Point	754117.49	471971.58	623.29	-	-	20-Jul-09		2.29	--	621.00		

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
Dilution factor for BEX 50, Toluene 500	22-Jul-09	3	< 45	***1,100***	***48,000***	***5,700***	J 1
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
	22-Jul-09	3	< 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						
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		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
Dilution factor for BEX 50 and Toluene 500	22-Jul-09	3	< 45.0	***1,200***	***68,000***	***6,600***	< 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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW19-7							
Dilution factor for BTEX 50	15-Nov-99	4	< 16	100	51	***1,400***	< 4
Dilution factor for BTEX 2	1-Aug-01	3	***6.7***	6.6	13.0	680	< 0.4
Dilution factor for BTEX 5	7-Mar-02	1	***3***	< 1	< 1	250	2
	5-Jun-02	2	0.48	1.60	27.00	27	< 0.40
	19-Nov-03	4	***4.7***	J 0.4	J 0.3	460	J 1.0
	16-Jun-04	2	J ***2.8***	130.0	***2,100.0***	630	< 1.0
	16-Jun-04	2 duplicate	J ***4***	130	***2,100***	610	< 1
	10-Aug-04	3	***2***	2	1	20	< 1
Dilution factor for BTEX 2	12-Jan-05	1	***6.1***	90.0	240.0	760	< 1.0
	12-Jan-05	1 duplicate	***2.9***	45.0	120.0	380	< 1.0
Lower Grab Water Sample; Dilution factor for BTEX 25	7-Apr-05	2	J ***9.5***	210.0	***2,700***	***1,400***	< 1.0
Upper Water Grab Sample; Dilution factor for BTEX 10	7-Apr-05	2	J ***13***	370	***5,600***	***2,300***	< 1
Lower Grab Water Sample	27-Jul-05	3	***2.2***	< 0.2	J 0.2	J 1.7	< 0.9
Upper Grad Water Sample	27-Jul-05	3	***1.5***	< 0.2	J 0.5	J 2.4	< 1.0
Dilution factor for BTEX 200	27-Oct-05	4	J ***62***	***710***	***16,000***	***3,600***	< 1
Dilution factor for Total Xylenes 5	28-Feb-06	1	***7.5***	4.9	J 0.3	870	< 1.0
Dilution factor for Total Xylenes 5	28-Feb-06	1 duplicate	***7.5***	5.0	J 0.3	840	< 0.9
	20-Jun-06	2	***6.5***	19.0	J 0.6	550	< 1.0
Dilution factor for Total Xylenes 5	12-Sep-06	3	***4.9***	33.0	J 0.3	440	< 1.0

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
	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
	21-Jul-09	3	< 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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
GEI-2S							
	24-Feb-95	1	< 8.2	46	***1,500***	380	***7.6***
	25-Mar-98	1	NS	NS	NS	NS	B 2.5
	6-Jun-02	2	***1.2***	2.6	16	5.1	2.4
	18-Dec-03	4	< 0.2	< 0.2	J 0.4	< 0.6	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.18	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for Toluene 10	22-Jul-08	3	***8.7***	34	1,000	170	< 1.0
Dillution for Toluene 10	22-Jul-08	3 duplicate	***8.1***	31	830	160	< 1.0
	28-Oct-08	4	J 0.3	J 0.4	J 0.6	J 1.3	J 3.0
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
	7-Apr-09	2	< 0.9	J 3.0	120	13	< 1.0
	22-Jul-09	3	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry
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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2.0
MW-25R							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	1.6
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.29	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0

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
	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
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
MW-27s							
	22-Jun-06	2	J 0.6	3.7	3.9	14	J 3.0
	11-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW-28s							
Dilution factor for BTEX 5	21-Jun-06	2	J ***1.6***	560.0	< 1.0	***1,400***	***100***
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3	J 0.2	210.0	< 0.2	450	***570***
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	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***
Dilution factor for DEHP 10	22-Jul-09	3	< 0.9	18	< 0.8	53	***180***
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***
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	***19***
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

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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	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0
	29-Oct-08	4 duplicate	< 0.2	< 0.2	J 0.2	< 0.6	< 0.9
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
	7-Apr-09	2 (4)	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
	21-Jul-09	3	< 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***
Dilution factor for DEHP is 10	22-Jul-09	3	< 0.9	8	< 0.8	34	***550***
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
	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2
	23-Jul-09	3 duplicate	< 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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
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	***2,300***	< 8	***9,600***	***690***
Dillution factor for Benzene & Toluene 5, Ethylbenzene and Xylene 50, DEHP 500	23-Jul-09	3	J ***5***	***4,500***	J 10	***22,000***	***23,000***

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
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	***8,900***	< 40.0	***40,000***	***12,000***
Dilution for Benzene & Ethylbenzene 20, Toluene & Xylenes 200, DEHP 100	8-Apr-09	2	< 18	***8,200***	< 16.0	***50,000***	***8,600***
Diillution factor for BTE 50, Xylene & DEHP 200	23-Jul-09	3	< 45	***7,400***	< 40.0	***43,000***	***5,400***
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***
Dilution factor for DEHP 500	23-Jul-09	3	< 0.9	< 0.8	< 0.8	J 2.0	***81,000***
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	470	< 100.0	***2,300***	1.6
	30-Oct-08	4	< 0.2	2	< 0.2	180	***7***
Dilution factor for BTE 10, Xylene 100	15-Jan-09	1	< 9	***2,700***	J 16.0	***13,000***	***7***
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100	8-Apr-09	2	< 9	***3,600***	J 18.0	***18,000***	J ***5***
Dilution for Benzene & Toluene 2, Ethylbenzene & Xylenes 20	23-Jul-09	3	< 2	***1,300***	J 5.0	***6,700***	***9***
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***	***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	***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	***13,000***	J 40.0	***100,000***	***1,800***
Dilution factor for Benzene & Toluene 20, Ethylbenzene and Xylene 200, DEHP 500	23-Jul-09	3	< 18	***14,000***	J 36.0	***92,000***	***20,000***
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
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
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

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
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
RB-03	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
RB-01	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
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
RB-01	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
RB-02	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2.0
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
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA
	23-Jul-09	3	< 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 3rd 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
	3Q09	25	11.2 J	353	ND	ND	ND	ND	5,300	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
	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
	3Q09	160	ND	***880***	1.6	ND	ND	38.2	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
Dilution factor for Methane10	3Q09	25	3.2 J	399	ND	ND	ND	6.7	3400	ND

TABLE 3

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-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	10.4 J	***1670***	1.6	ND	ND	37.3	140	NS
	3Q04	110	18.8	***1240***	1.1	ND	0.062	38.3	140	NS
	1Q05	82	11.2 J	***544***	1.7	ND	ND	44	130	NS
	2Q05[L]	23	18	***1180***	1.3	0.29 J	ND	33.5	44	NS
	2Q05[U]	160	ND	***1190***	1	ND	ND	32.7	96	NS
	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
	3Q09	6	4.0 J	***938***	1.5	ND	ND	36.1	230	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
	3Q09	250	5.2 J	***1250***	0.33	ND	ND	29	740	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

TABLE 3

Through 3rd 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]
	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
	3Q09	18	ND	261	0.9	6.2	ND	13.3	ND	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3000	ND
Dilution factor for Methane 20	4Q08	5200	33.6	94.5	ND	0.35 J	ND	1.9 J	1800	ND
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
	3Q09	75	40	407	ND	ND	0.13	2.5 J	2400	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
	3Q09	2100	32.4	412	ND	ND	ND	8.5	100	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
	3Q09	8	684	482	0.38	ND	ND	43.9	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
Dilution factor for Methane 50	3Q09	2	28.8	***679***	ND	0.36 J	0.26	ND	5,200	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

TABLE 3

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 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
Dilution factor for Methane 10	3Q09	ND	20	542	ND	1.1	0.21	2.6 J	2100	ND
MW-29s	2Q06	250	58.8	***504***	ND	11.9	0.45	4.0 J	1200	ND
Dilution factor for Methane 250	3Q06	>5700	54	***546***	ND	9.9	0.32	1.9 J	5000	ND
Dilution factor for Methane 100	4Q06	190	35.6	***509***	ND	8.3	0.29	3.9 J	5200	ND
	1Q07	30	41	***510***	0.14	7.5	0.34	ND	450	**0.0084**
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND	1000	ND
Dilution factor for Methane 10	3Q07	1900	54	***520***	ND	8.1	0.4	ND	2500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3100	**0.014**
Dillution for Lead 5	1Q08	93	60	***510***	ND	7.5	0.34	ND	2000	ND
Dillution for Lead 5	1Q08D	120	38	***510***	ND	7.6	0.35	ND	1800	ND
Dilution for Methane 10	2Q08	65	40	490	ND	8.2	0.3	ND	2100	ND
Dilution factor for Methane 4	3Q08	130	20	460	ND	7.7	0.41	ND	1,700	ND
Dilution factor for Methane 50	4Q08	52	37.2	455	ND	7.2	0.35	ND	4,400	ND
Dilution factor for Methane 50	4Q08D	56	41.6	462	ND	7.2	0.34	ND	4,600	ND
Dilution factor for Methane 200	1Q09	1600	58.8	425	ND	7.2	0.32	3.0 J	6,100	ND
Dilution factor for Methane 50	2Q09	200	58	464	ND	5.8	0.28	7.3	4,000	ND
Dillution factor for Methane 100	3Q09	21	47.2	***542***	ND	7.5	0.31	3.3 J	4,800	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
Dilution factor for Methane 50	3Q09	720	38.8	461	ND	1.6	0.21	ND	4,200	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
	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
Dillution factor for Methane 2, Ammonia Nitrogen 2	3Q09	5	28.0	431	ND	1.3	0.26	4.3 J	660	ND
Dillution factor for Methane 2	3Q09D	6	24.8	444	ND	0.72	0.25	4.2 J	730	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
	3Q09	9	6.4 J	321	ND	ND	ND	14.8	60	ND

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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-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
Dillution factor for Sulfate 5, and Methane 50	3Q09	6800	36.80	***576***	ND	19.8	0.12	35.9	12000	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
Dillution factor for Ammonia Nitrogen 3 and Methane 50	3Q09	290	113	***620***	ND	ND	ND	2.8 J	12000	ND
MW-33s										
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2800	**0.011**
Dilution factor for Methane 10	3Q08	ND	250	380	ND	7	ND	10	2000	ND
Dilution factor for Methane 100	4Q08	> 5700	51	358	ND	7.4	0.13	8.6	4800	ND
Dilution factor for Methane 200	1Q09	160	122	395	ND	ND	ND	68.1	9600	ND
Dilution factor for Methane 50	2Q09	2800	74	410	ND	6.7	0.31	4.8 J	8400	ND
Dilution factor for Ammonia Nitrogen 2 and Methane 25	3Q09	1200	181	***610***	ND	5.8	0.42	12.9	5100	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
Dilution factor for Methane 50	3Q09	150	56.4	NS	ND	ND	ND	4.9 J	9600	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
Dilution factor for Methane 100	3Q09	50	114.0	466	ND	1.4	0.25	ND	17000	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
	3Q09	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry	NS - dry
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*
	3Q09	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

TABLE 3

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)
	1Q06	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	84	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	56	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q07	1	ND	2.5	ND	ND	ND	ND	ND	ND*
	2Q07	2	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	2Q09	1	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	3Q09	32	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	3Q09	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 (^oC)	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
	3Q09	0.14	7.07	-100	640	1	14.06	10	70	50
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
	3Q09	0.69	7.25	111	1690	9	14.98	0.1	70	20
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
	3Q09	1.1	6.83	137	664	3	14.16	1	70	35
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

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 (^oC)	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
	3Q09	2.1	7.12	38	1730	9	14.02	1	60	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
	3Q09	0.38	7.26	112	2310	8	15.04	0.6	80	21
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
	3Q09	4.98	7.11	123	464	1	17.23	0	70	13
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
	3Q09	0.07	7.14	-165.1	633	13	13.34	>20	150	30
MW-25R	2Q06	0.47	6.77	-102	620	9	14.74	3.5	75	17
	3Q06	0.97	5.57	90.1	572	229	15.67	5	160	350
	4Q06	0.25	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110
	1Q08	0.34	7.32	-79	639	47.6	7.87	4.5	150	12.5
	2Q08	0.21	7.20	-80	601	46	10.95	4.5	150	15
	3Q08	0.24	6.55	-110.7	446	19.2	15.71	2.5	160	70
	4Q08	1.66	7.25	22.7	227	5.9	9.6	1	70	<10
	1Q09	0.71	7.22	21.8	383	8	5.00	0.5	120	<10
	2Q09	0.58	7.11	-40	376	8	6.48	2	70	7
	3Q09	0.15	6.77	-64	604	19.3	15.93	3	150	20
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

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 (^oC)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sediment
	1Q08	1	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sediment
	2Q08	1	7.18	111.1	735	81.1	11.43	0	22.5	85
	3Q08	3.21	6.21	46	861	184	17.09	0.8	225	135
	4Q08	2.63	6.99	34.4	626	47.2	13.67	NM - ran dry	NM - ran dry	NM - ran dry
	1Q09	1.12	7.35	51.3	522	1000	10.67	0.1	200	20
	2Q09	1.55	8.2	-71	486	62	9.08	0.6	150	15
	3Q09	0.61	7.59	15	675	24.8	15.29	1	250	20
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22
	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
	3Q09	0.06	6.93	-114.2	899	9.66	14.81	>20	160	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
	3q09	0.52	7.88	-96	1007	4	13.70	20	50	50
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
	3Q09	0.07	6.47	-115.1	922	9.51	17.91	>20	250	80
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
	3Q09	0.06	6.93	-118.2	724	9.5	18.26	>20	225	50
MW-30i	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19

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 (^oC)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	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
	3Q09	0.05	7.06	-143.2	682	9.62	15.86	18	180	50
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
	3Q09	0.22	7.19	-110	450	14.5	13.79	2	130	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
	3Q09	0.24	10.67	-144.1	795	6.22	18.68	0.5	170	NM-No Water
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
	3Q09	0.19	6.63	-111.4	952	5.17	18.70	>20	500	100
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
	3Q09	0.18	6.56	-82.7	1226	16.9	17.63	>20	500	150
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
	3Q09	0.36	6.51	-89	761	6.08	17.40	NM-No Water	NM-No Water	NM-No Water
MW-35s	2Q08	0.37	6.78	-56	917	>1000	11.51	>20	310	70
	3Q08	1.5	6.35	-55	736	65	19.23	>20	260	50
	4Q08	1.35	6.87	-30.2	848	38.5	14.18	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.15	7.28	3.3	607	59	5.81	>20	225	30
	2Q09	0.21	7.36	-121.9	683	53	6.40	>20	300	30
	3Q09	0.2	6.65	-108.2	896	22.2	17.49	>20	275	80
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
	3Q09	NM-Dry	NM-Dry	NM-Dry	NM-Dry	NM-Dry	NM-Dry	NM-Dry	NM-Dry	NM-Dry

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***
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0
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
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	***4.0***
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

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

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
APPLICABLE BACKGROUND CONCENTRATION (SW-R-5). CONCENTRATION AT OR BELOW DECTION LIMIT. N.J.A.C. 7:9B-1.5 (d)6iii			1		1		5		3		1.3	
	27-Feb-06	1Q06	<	0.2		1.1	<	0.2		3.9	J	***6.0***
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	***3.0***
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	***3.0***
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	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
	21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	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***
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	***2.0***
	20-Jul-09	3Q09D	<	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

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	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
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
DRC-2												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	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
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
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
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
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

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	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***1.7***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.14	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	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
	20-Jul-09	3Q09	<	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

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	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		***19.0***
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	20-Jul-09	3Q09	<	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
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
SW-R-6												
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1

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	
	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
	20-Jul-09	3Q09	<	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

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)

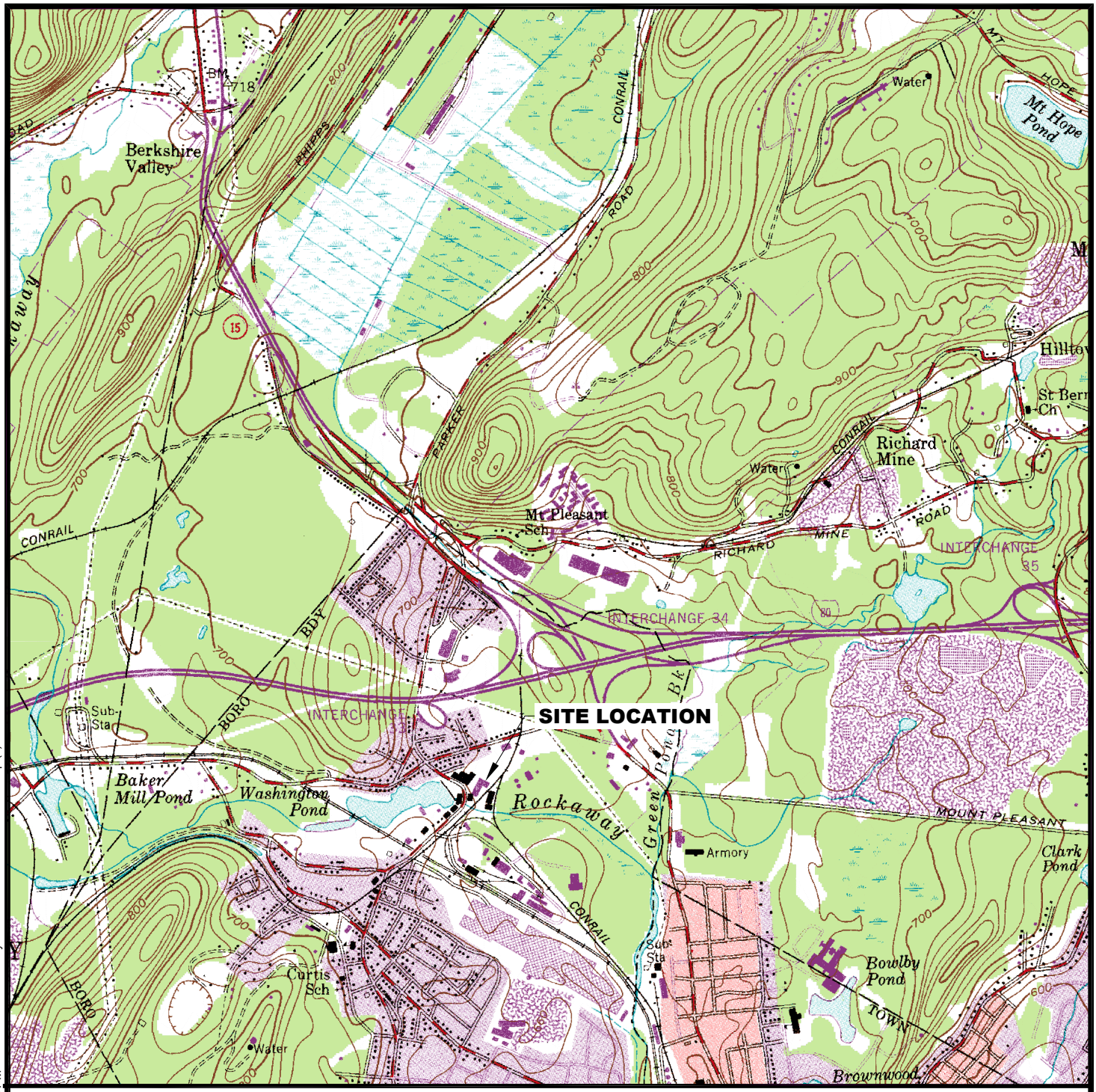
* = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.

(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

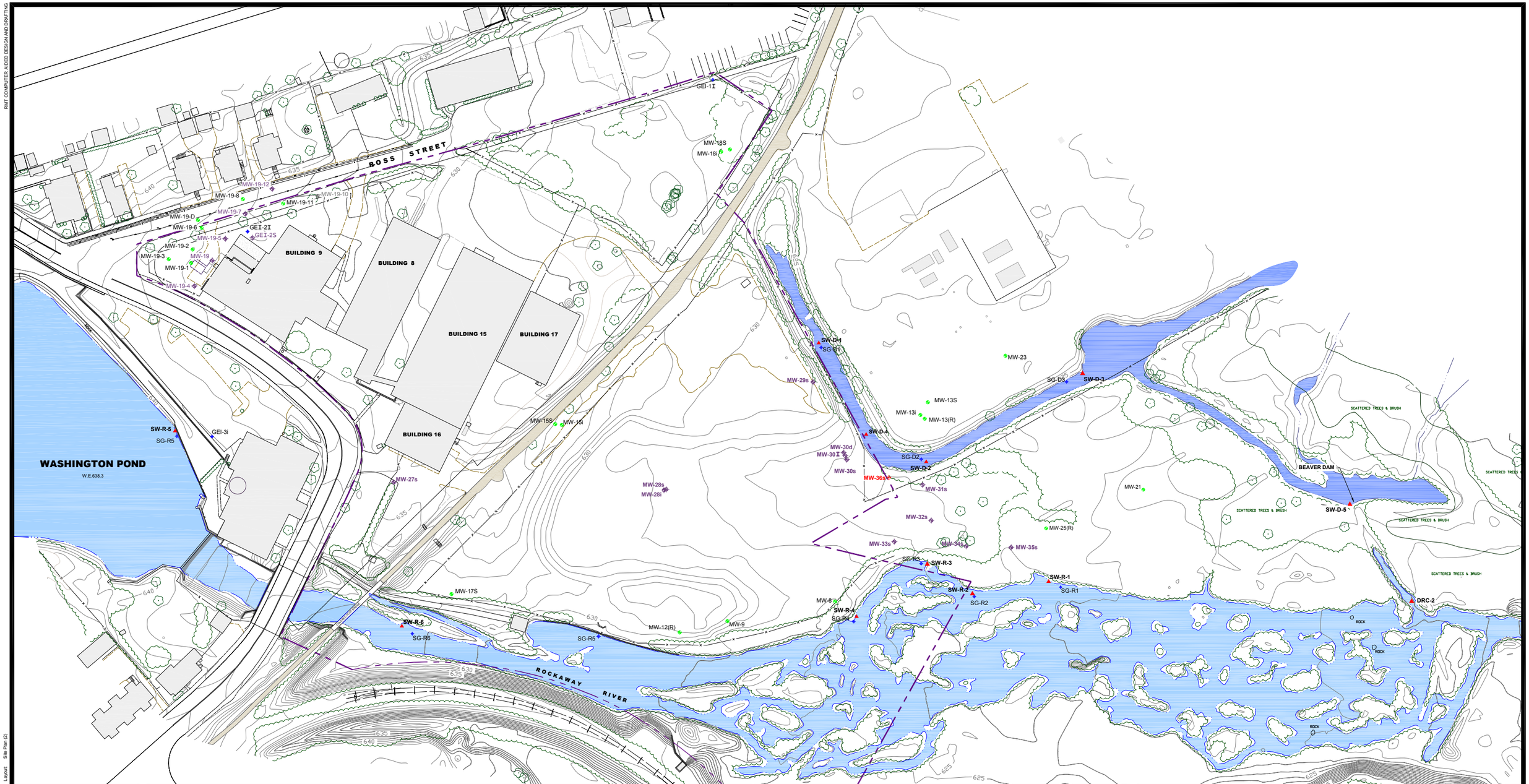
SITE LOCATION MAP

DRAWN BY:	SJL
CHECKED BY:	JEO
APPROVED BY:	JDD, NC
DRAWING SCALE:	SHOWN
PROJECT NUMBER:	J:\06527\35
FILE NUMBER:	6527.35.51.dwg
DATE:	September 2009

FIGURE 1

PLOT DATA:
Drawing Name: J:\06527\35\6527.35.51.dwg
Operator Name: LUCIDO, SAM
Drawing Plot Scale: 0.000500
Dwg Size: 0.10 Mb
Plot Date: September 21, 2009
Plot Time: 12:12 PM
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

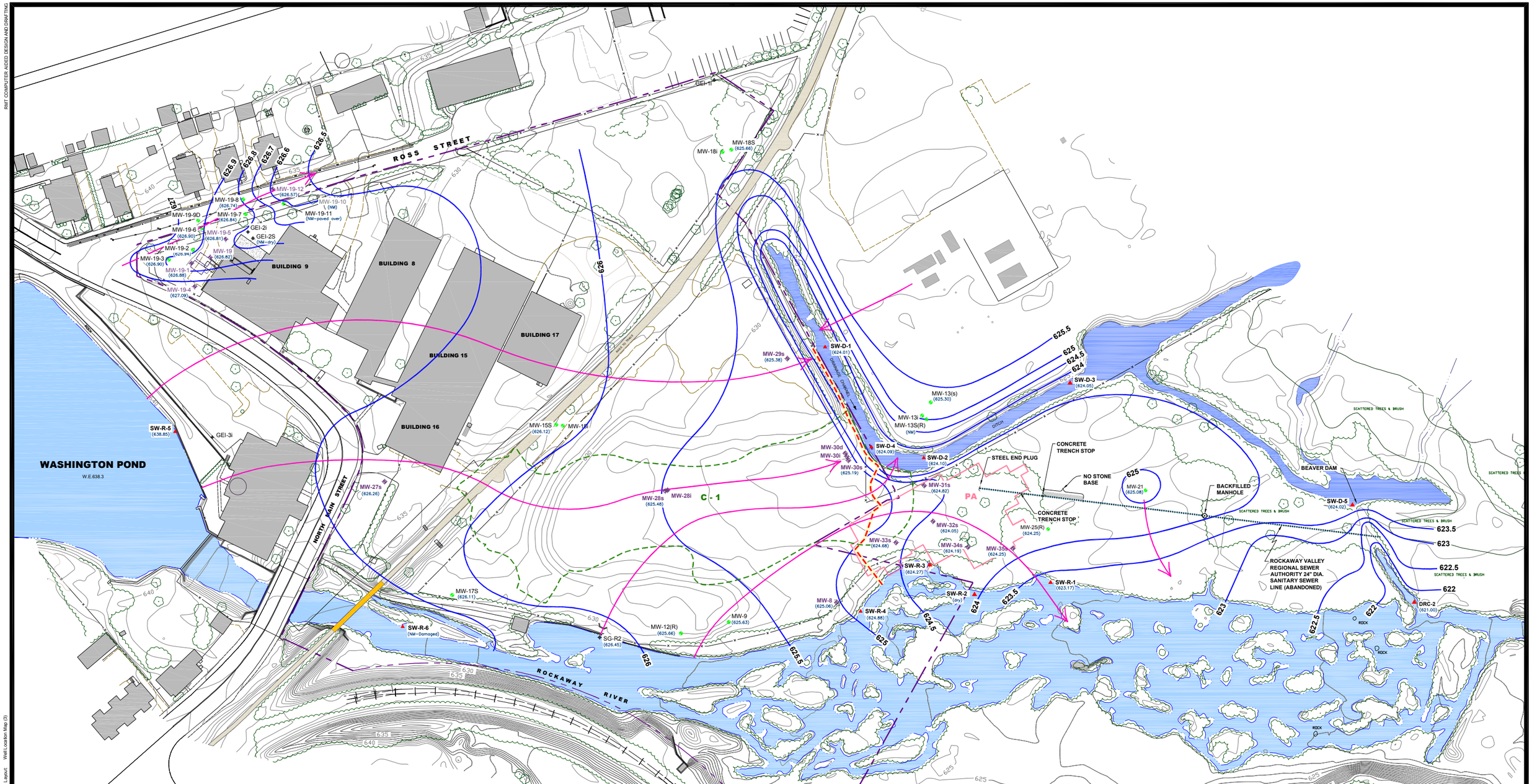
SITE PLAN WITH SAMPLE LOCATIONS
3rd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JEO	SHOWN	FILE NO.	6527.35.52.dwg
APPROVED BY: JDD	DATE PRINTED:	**FIGURE 2**	
DATE: September 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: 12:12 PM
Drawing Name: J:\06527\35\6527.35.52.dwg
Operator Name: LUCIDO, SAM
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.				

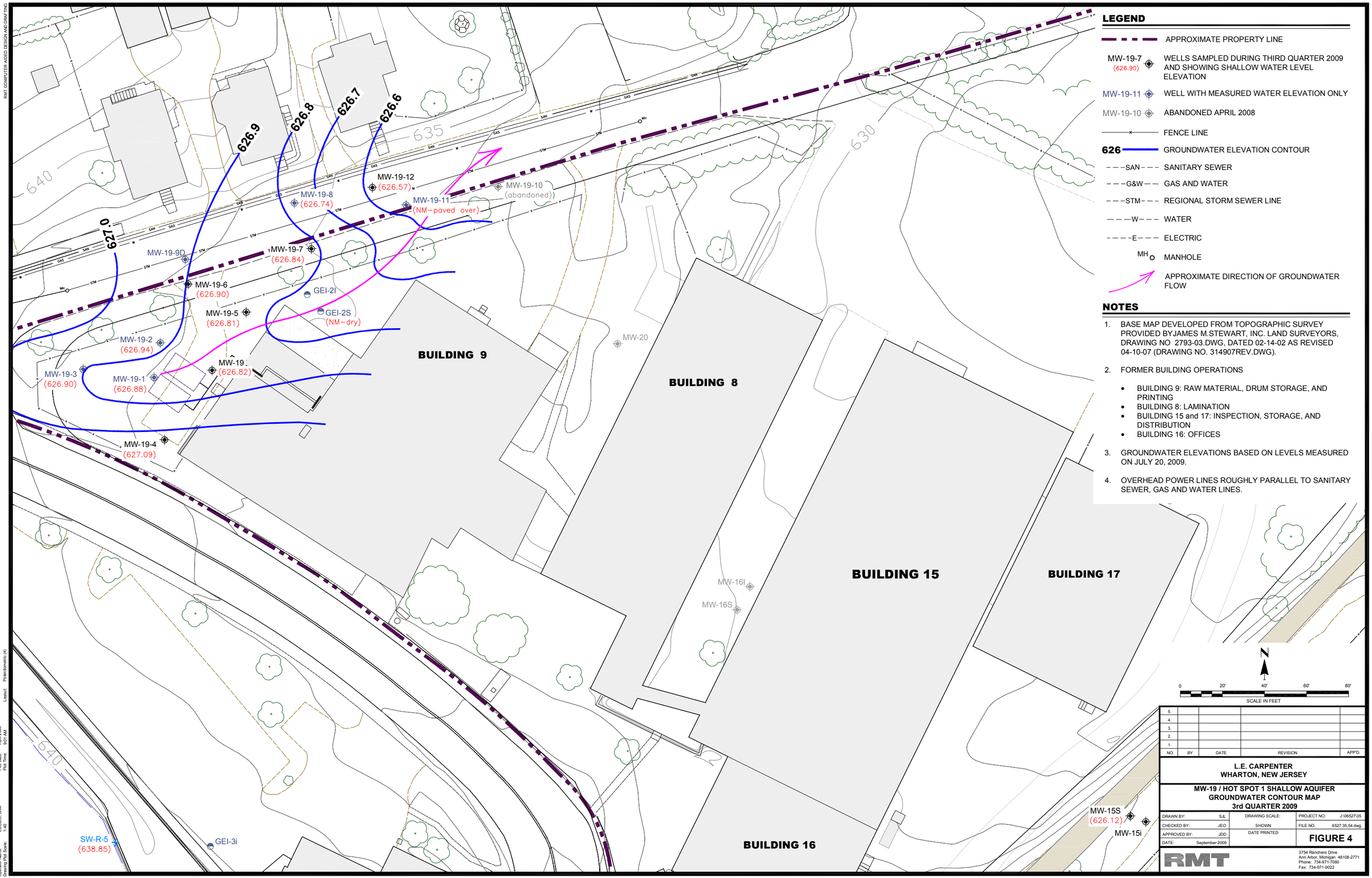
L.E. CARPENTER
WHARTON, NEW JERSEY

SITE-WIDE SHALLOW GROUNDWATER ELEVATION CONTOURS
3rd QUARTER 2009

DRAWN BY:	SJL	DRAWING SCALE:	PROJECT NO. J:\06527\35
CHECKED BY:	JEO	SHOWN	FILE NO. 6527.35.53.dwg
APPROVED BY:	JDD	DATE PRINTED:	**FIGURE 3**
DATE:	September 2009		

RMT
3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-6022

Layout: Well Location Map (3)
Dwg Size: 0.27 Mb
Plot Date: April 2008
Plot Time: 3:41 PM
J:\06527\35\6527.35.53.dwg
LUCIDO, SAM
Drawing Plot Scale: 1:40
Drawing Name:
Operator Name:
Drawing Name:



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 (626.90) — WELLS SAMPLED DURING THIRD 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 JULY 20, 2009.
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.

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

L.E. CARPENTER
WHARTON, NEW JERSEY

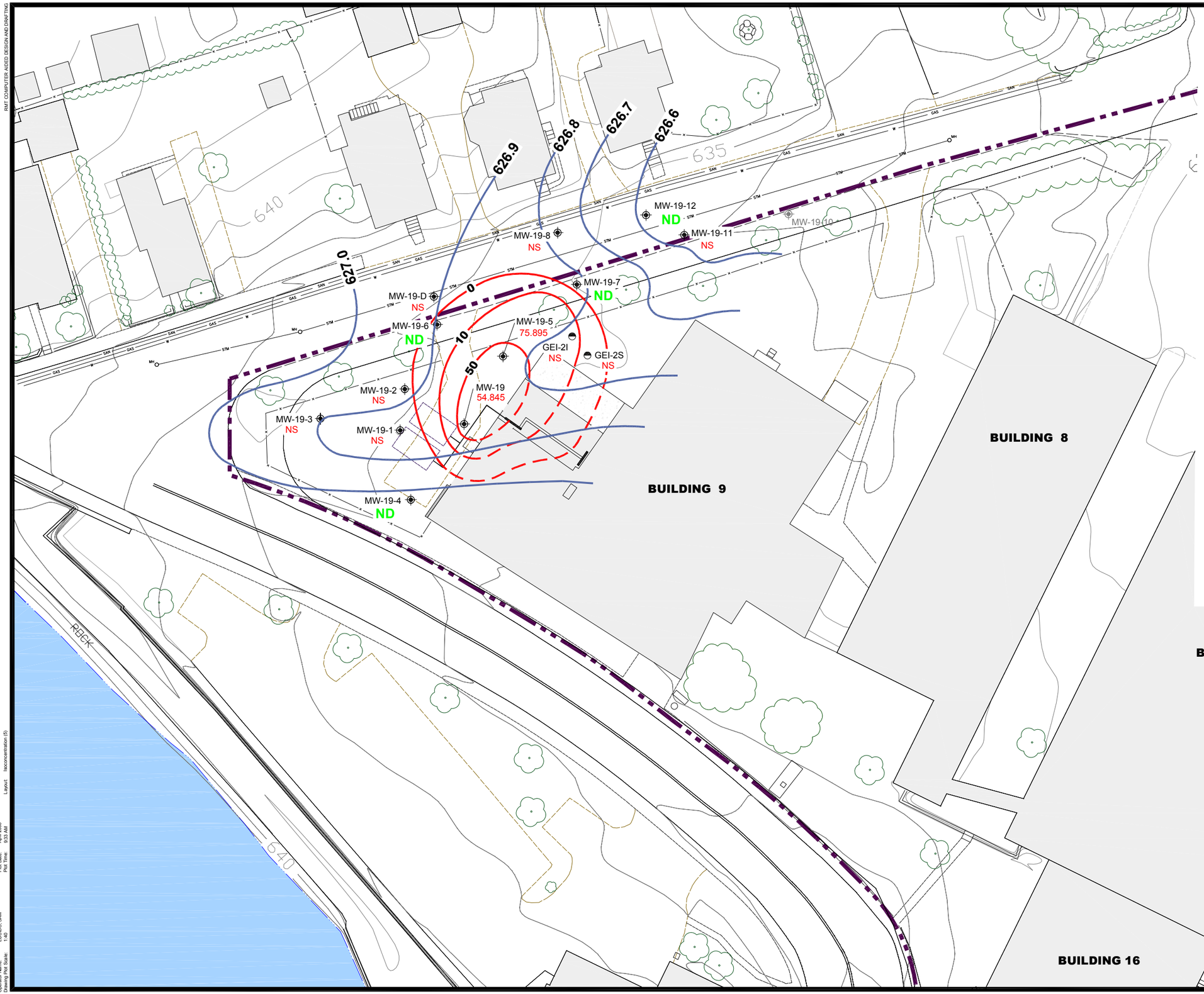
MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP
3rd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE:	PROJECT NO.	J:\06527\35
CHECKED BY: JEO	SHOWN	FILE NO.	6527.35.54.dwg
APPROVED BY: JDD	DATE PRINTED:	**FIGURE 4**	
DATE: September 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\6527.35.54.dwg
Operator Name: LUCIDO, SAM
Drawing Plot Scale: 1:40
Dwg Size: 0.16 Mb
Plot Date: April 2008
Plot Time: 9:01 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 JULY 20, 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
3rd QUARTER 2009

DRAWN BY: SJL	DRAWING SCALE: SHOWN	PROJECT NO. J:\06527\35	
CHECKED BY: JEO		FILE NO. 6527.35.55.dwg	
APPROVED BY: JDD	DATE PRINTED:	**FIGURE 5**	
DATE: September 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\6527.35.55.dwg
Operator Name: LUCIDO, SAM
Drawing Plot Scale: 1:40
Dwg Size: 0.23 Mb
Plot Date: April 2008
Plot Time: 9:53 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:	7/20/2009 TO 7/23/2009
PURPOSE OF FIELDWORK:	3Q09 Sampling Event
WORK PERFORMED BY:	Scot Middlebrook, Scott Pawlukiewicz

Scot Middlebrook 7-27-09
SIGNED DATE

Scott Pawlukiewicz 7.27.09

J Overvoorde 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 7-20-09	TIME ARRIVED: 10:00
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1800

WEATHER

TEMPERATURE: 75 °F WIND: 5-15 MPH VISIBILITY: P Sunny

WORK / SAMPLING PERFORMED

· Site-wide WL's
· Collect surface water samples: DRC-02, SW-D-5, SW-R-1, SW-R-2, SW-R-3, SW-D-4 (Dup-01), SW-R-4, SW-R-6, SW-R-5.

· Purged wetland wells [MW-31s, 32s, 33s, 34s, 35s]

- WL in GEI-2s is dry, no GW sample will be collected.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
No access to Air Products site, Gate locked, ~~on~~ chain no longer through RMT Lock.	Call to J.O. ~~for~~ to notify Air Products.

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
D. Condon	LEC	CHECK-IN
J. Overwoorde	RMT	

S. Pawlukiewicz 7.27.09
SIGNED DATE

J Overwoorde 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 7-21-09	TIME ARRIVED: 700
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1815

WEATHER

TEMPERATURE: 75 °F WIND: 0-5 MPH VISIBILITY: Rain

WORK / SAMPLING PERFORMED

- GW Sampled MW-19-12, MW-29S, MW-19-7 (MS/MSD), MW-30D, MW-19-6, MW-8,
- Purged MW-27S Dry.
- SW Sample: SW-D-3, SW-D-2, SW-D-1

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
J. Armade	RMT	Daily check in.

S Pawlukiewicz 7.27.09
SIGNED DATE

J Armade 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 7-22-09	TIME ARRIVED: 700
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1815

WEATHER

TEMPERATURE: 70-85°F WIND: 0-10 MPH VISIBILITY: Sunny

WORK / SAMPLING PERFORMED

- Partial sample from MW-27s
- GW sample: MW-25 (R), MW-19-4, ATM-01, MW-19, MW-30i (Dup-02), MW-19-5, MW-30s, MW-28s, MW-28i
- Partial sample from MW-34s

~~SW Sample SW~~

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS

S. Pawlukiewicz 7.27.09
SIGNED DATE

[signature] 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE: 7-23-09	TIME ARRIVED: 700
PROJECT NUMBER: 6527.35	AUTHOR: Scot Middlebrook, Scott Pawlukiewicz	TIME LEFT: 1630

WEATHER

TEMPERATURE: 75 °F WIND: 5-10 MPH VISIBILITY: cloudy

WORK / SAMPLING PERFORMED

- Sample wetland wells: MW-31s, 32c, 33s, 34s, 35s.
- Collect Rinse Blank samples RB-01, RB-02.
- Packed + Shipped equipment.
- ~~Chan~~ Replaced RMT locks on Air Product Property wells MW-13s, 13i with new ones.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME	REPRESENTING	SUBJECT / COMMENTS
D. Conson	LEC	Check out

S. Pawlukiewicz 7.27.09 — SIGNED DATE

D Onemoode 7/29/09 — 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:

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

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

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

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

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

PURGING METHOD

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

SAMPLING METHOD

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

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

TUBING TYPE: DISPOSABLE POLY TUBING

☑ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☑ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

POTABLE WATER SOURCE	DI WATER SOURCE
STORE BOUGHT	STORE BOUGHT

SIGNED	DATE	CHECKED BY	DATE
Scott Middlebrook	7-27-09	[illegible]	7/29/09

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	RMT GR	DATE:	7-20-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8A6018 (EXP. DATE): 02/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 28/1178 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.07 / 7.00	3.92 / 4.00	☐ WITHIN RANGE	1519
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2902470 (EXP. DATE): 02/10 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1409 / 1413	25.32	☐ WITHIN RANGE	1513
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 09C101115 (EXP. DATE): 03/11 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
232.5 / 224.5	30.36	☐ WITHIN RANGE	1515
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
8.29	☐ WITHIN RANGE	1522
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): P893180 (EXP. DATE): 2 5/10 POST-CAL. READING / STANDARD	(LOT #): P891234 (EXP. DATE): 4/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.11 / 0.0	9.87 / 10.00	☐ WITHIN RANGE	1523
/	/	☐ 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

short sampling day

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 7-20-09
SIGNED DATE

[signature] 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL: QED MP20	SAMPLER: SM/SP
PROJECT NO.:	6527.35	SERIAL #: ~~RMT GR~~ LEC UNIT	DATE: 7-21-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8782-10 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 2911178 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.59 / 7.00	4.48 / 4.00	☐ WITHIN RANGE	0930
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2902470 (EXP. DATE): 2/10 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1408 / 1413	22.25	☐ WITHIN RANGE	0933
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 09C10115 (EXP. DATE): 10/15 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
78 / 192	21.22	☑ WITHIN RANGE	0935
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
7.58	☐ WITHIN RANGE	0938
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): — (EXP. DATE): — POST-CAL. READING / STANDARD	(LOT #): — (EXP. DATE): — POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	739 / 800	☐ WITHIN RANGE	0940
/	82 / 100	☐ WITHIN RANGE	0941
/	18 / 20	☐ WITHIN RANGE	0942
/	0 / >0.1	☐ WITHIN RANGE	0942

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

short sampling day

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

S Paulk 7.22.09
SIGNED DATE

dOvermoode 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	YSI 556	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	RMT GR	DATE:	7-21-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8AB018 (EXP. DATE): 02/10 POST-CAL. READING / STANDARD	pH (4) 10 (LOT #): 281178 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
7.02 / 7.00	4.00 / 4.00	☐ WITHIN RANGE	0939
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2902470 (EXP. DATE): 02/10 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1285 / ~~1413~~ 1335	22.12	☐ WITHIN RANGE	0934
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 09C101115 (EXP. DATE): 03/11 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
233.8 / 234.5	22.65	☐ WITHIN RANGE	0937
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
8.52	☐ WITHIN RANGE	0945
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): P887311 (EXP. DATE): 12/09 POST-CAL. READING / STANDARD	(LOT #): P891234 (EXP. DATE): 4/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
1.26 / 1.00	9.65 / 10.0	☐ WITHIN RANGE	0943
/	/	☐ 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

Scott Mehlhelm 7-21-09
SIGNED DATE

Overmyrcle 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL:	650 MPQ	SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	~~RMT GR~~ LBC	DATE:	7-22-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8282-10 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	pH 4 / 10 (LOT #): 2811 78 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
5.60 / 4.00	7.80 / 7.00	☐ WITHIN RANGE	0819
/	SP 5.60 / 4.00	☐ WITHIN RANGE	
5.75 / 4.25	7.75 / 7.55	☐ WITHIN RANGE	1249
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2902470 (EXP. DATE): 2/10 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1370 / 1413	19.33	☐ WITHIN RANGE	0824
1442 / 1413	23.59	☐ WITHIN RANGE	1254
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 09C10115 (EXP. DATE): 03/11 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
218 / 237	19.35	☐ WITHIN RANGE	0826
68 / 231	24.88	☐ WITHIN RANGE	1257
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
7.60	☑ WITHIN RANGE	0828
7.50	☑ WITHIN RANGE	1300
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	(LOT #): (EXP. DATE): POST-CAL. READING / STANDARD	CAL. RANGE	TIME
/	693 / 800	☐ WITHIN RANGE	0814
/	100 / 85	☐ WITHIN RANGE	0815
/	20 / 19	☐ WITHIN RANGE	0816
/	>0.1 / 0	☐ WITHIN RANGE	0816

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: 7-22-09

CHECKED BY: [signature] DATE: 7/29/09

REVISED 03/2008

RMT

WATER QUALITY METER CALIBRATION LOG

PROJECT NAME:	LE Carpenter	MODEL: YSI 556		SAMPLER:	SM/SP
PROJECT NO.:	6527.35	SERIAL #:	RMT GR	DATE:	7-22-09

PH CALIBRATION CHECK

pH 7 (LOT #): 8JB018 (EXP. DATE): 08/10 POST-CAL. READING / STANDARD	pH 4 10 (LOT #): 2811178 (EXP. DATE): 10/10 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
6.98 / 7.00	4.07 / 4.00	☐ WITHIN RANGE	0818
7.01 / 7.00	4.05 / 4.00	☐ WITHIN RANGE	1344
/	/	☐ WITHIN RANGE	
/	/	☐ WITHIN RANGE	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CAL. READING (LOT #): 2902470 (EXP. DATE): 02/10 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
1339 / 1305	21.01	☐ WITHIN RANGE	0813
1618 / 1569	20.73	☐ WITHIN RANGE	1338
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

ORP CALIBRATION CHECK

CAL. READING (LOT #): 09C101115 (EXP. DATE): 02/11 POST-CAL. READING / STANDARD	TEMPERATURE (°CELSIUS)	CAL. RANGE	TIME
226.4 / 234.5	21.14	☐ WITHIN RANGE	0815
216.8 / 234.5	31.26	☐ WITHIN RANGE	1342
/		☐ WITHIN RANGE	
/		☐ WITHIN RANGE	

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	CAL. RANGE	TIME
8.52	☐ WITHIN RANGE	0823
7.89	☐ WITHIN RANGE	1347
	☐ WITHIN RANGE	
	☐ WITHIN RANGE	

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (NTU) (LOT #): P893180 (EXP. DATE): 5/10 POST-CAL. READING / STANDARD	(LOT #): P891234 (EXP. DATE): 4/11 POST-CAL. READING / STANDARD	CAL. RANGE	TIME
0.18 / 0.0	10.58 / 10.0	☐ WITHIN RANGE	0821
0.36 / 0.0	10.48 / 10.0	☐ WITHIN RANGE	1345
/	/	☐ 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

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

Scott Muhlebrier 7-22-09
SIGNED DATE

H Overmarch 7/29/09
CHECKED BY DATE

REVISED 03/2008

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	7-20-09
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	1656		9.08	16.60		
MW-19-1	1653		8.76			
MW-19-2	1651		9.36			
MW-19-3	1650		9.80			
MW-19-4	1646		8.34	16.05		
MW-19-5	1707		8.75	15.59		
MW-19-6	1634		8.92	19.50		
MW-19-7	1624		8.16	20.25		
MW-19-8	1628		8.62			
MW-19-9D	1632		8.66	–		
MW-19-10	NM		NM			
MW-19-11	NM		NM			
MW-19-12	1620		7.89	16.70		
GEI-2I	1703		10.35			
GEI-2S	1700		DRY	9.75	~~9.75~~	
GEI-3I	1722		12.55			
MW-15S	1607		10.05			
MW-15I	1605		10.06			
MW-18S	1600		5.00			
MW-18I	1555		4.60			
MW-17S	1536		8.08			
MW-12R	1525		8.07			
MW-9	1528		3.95			
MW-8	1521		3.13	20.25		

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

Scot Middlebrook 7-27-09
SIGNED DATE

[illegible] 7/29/09
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	7-20-09
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	1726		5.33			
MW-13I	1727		4.45			
MW-13S (R)	NM		NM			
MW-25R	1155		2.37	9.65		
MW-21	1158		3.12			
MW-27S	1610		8.81	13.04		
MW-28S	1343		5.66	17.62		
MW-28I	1340		5.50	22.81		
MW-29S	1347		7.28	14.58		
MW-30S	1517		3.05	12.09		
MW-30I	1515		2.89	18.10 (top of pump)		
MW-30D	1512		2.84	22.28		
MW-31s	1503		5.00			
MW-32s	1500		6.11		6.15	
MW-33s	1457		6.23			
MW-34s	1506		5.74			
MW-35s	1504		4.94		Product on meter but not measurable	

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

Scott Middlebrook 7-27-09
SIGNED DATE

[illegible] 7/29/09
CHECKED DATE

RMT

WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE:	7-20-09
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	1755		1.74	(7-21)		
SW-D-2	1745		1.97	(7-21)		
SW-D-3	1730		1.53	(7-21)		
SW-D-4	1255		6.82			
SW-D-5	1210		2.84			
SW-R-1	1225		2.70			
SW-R-2	1233		(Dry)			
SW-R-3	1245		1.98			
SW-R-4	1310 ~~1755~~		~~0.88~~ 2.69			
SW-R-5	1345		1.81			
SW-R-6	1330		NM			
DRC-2	1205		2.27			
SG-R2	1533		2.96			

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

Scot Middlebrook 7-27-09
SIGNED DATE

[illegible] 7/29/09
CHECKED DATE

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: dD	DATE: 7/29/09

SAMPLE ID: DZC-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:	SAMPLE	TIME: 1205	DATE: 7-20-09
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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: S. Pawlecky	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: dD	DATE: 7/29/09

SAMPLE ID: SW-D-5 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: 1210	DATE: 7-20-09
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

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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: [signature]	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 7-20-09	BY: dD	DATE: 7/29/09

SAMPLE ID: Sw - R-1

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: 1225	DATE: 7-20-09
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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: S Pawlekey	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: DO	DATE: 7/29/09

SAMPLE ID: Sw-R-2

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: 1233	DATE: 7-20-09

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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: S Pawlikiewicz	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: [illegible]	DATE: 7/29/09

SAMPLE ID: SW-R-3 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: 1245	DATE: 7.20.09

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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: [signature]	DATE SIGNED: 7-21-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.20.09	BY: [illegible]	DATE: 7/29/09

SAMPLE ID: SW-D-4

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: 1255	DATE: 7.20.09

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- 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: Courier	DATE SHIPPED: 7-27-09	AIRBILL NUMBER: —
COC NUMBER: 216386	SIGNATURE: [illegible]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.20.09	BY: DO	DATE: 7/29/09

SAMPLE ID: SW-24 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: 1310	DATE: 7.20.09
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: Courier	DATE SHIPPED: 7.21.09	AIRBILL NUMBER: —
COC NUMBER: 216396	SIGNATURE: [signature]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.20.09	BY: dO	DATE: 7/29/09

SAMPLE ID: SW-R-6

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: 1330	DATE: 7.20.09

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: Courier	DATE SHIPPED: 7.24.09	AIRBILL NUMBER: —
COC NUMBER: 716396	SIGNATURE: [signature]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.20.09	BY: DO	DATE: 7/29/09

SAMPLE ID: SW-R-S

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: 1345	DATE: 7.20.09

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: Courier	DATE SHIPPED: 7.21.09	AIRBILL NUMBER:
COC NUMBER: 216396	SIGNATURE: [signature]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.21-09	BY: [illegible]	DATE: 7/29/09

SAMPLE ID: Sw-D-3 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: 1730	DATE: 7.21-09
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: FedEx	DATE SHIPPED: 7.21-09	AIRBILL NUMBER: 8684 1657 3070
COC NUMBER: 216397	SIGNATURE: S Pawlik	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 7.21-09	BY: SD	DATE: 7/29/09

SAMPLE ID: SW-D-2	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: 1745	DATE: 7.21-09
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: FedEx	DATE SHIPPED: 7.21-09	AIRBILL NUMBER: 8654-1657-3270			
COC NUMBER: 216397	SIGNATURE: S Paulding	DATE SIGNED: 7.27-09			

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.21.09	BY: DO	DATE: 7/29/09

SAMPLE ID: 56-D-7

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: 1755	DATE: 7.21.09
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: FedEx	DATE SHIPPED: 7.21.09	AIRBILL NUMBER: 8654-1657-3270
COC NUMBER: 316397	SIGNATURE: S Pawlowski	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: DO	DATE: 7/29/09

SAMPLE ID: MW-335 WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1534	DATE: 7-20-09	SAMPLE	TIME: 0945	DATE: 7-23-09

PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER

DEPTH TO WATER: 6.22 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 4.0 ☒ LITERS ☐ GALLONS

COLOR: clr w/ few floaters ODOR: slight

TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 6.56 SU CONDUCTIVITY: 1226 umhos/cm

ORP: -82.7 mV DO: 0.18 mg/L

TURBIDITY: 16.9 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 17.63 °C OTHER:

COLOR: clr w/orange floatings ODOR: yes

FILTRATE (0.45 um) ☒ YES ☑ NO

FILTRATE COLOR: clr FILTRATE ODOR: yes

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)
1534	400	6.51	1277	-75.2	0.34	9.77	18.29	6.22	INITIAL
1539	↓	6.54	1242	-79.4	0.24	10.27	17.88	8.79	2.0
1544	↓	6.56	1226	-82.7	0.18	16.9	17.63	Dry	4.0
	Pumped dry at 1544								
Ferrous > 20			CO_2 - 150		AIK - 500				

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: 7-23-09	AIRBILL NUMBER: NA
COC NUMBER: 216392	SIGNATURE: Scott Muddle	DATE SIGNED: 7-23-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: [illegible]	DATE: 7/29/09

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: 1557	DATE: 7-20-09	SAMPLE	TIME: 0900	DATE: 7-23-09

PURGE METHOD: ☒ PUMP Peristaltic ☐ BAILER

DEPTH TO WATER: 4.97 T/ PVC

DEPTH TO BOTTOM: NM T/ PVC

WELL VOLUME: NA ☐ LITERS ☐ GALLONS

VOLUME REMOVED: 9.2 ☒ LITERS ☐ GALLONS

COLOR: clr w/ floaters ODOR: yes

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 10.67 SU CONDUCTIVITY: 795 umhos/cm

ORP: -144.1 mV DO: 0.24 mg/L

TURBIDITY: 6.22 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 18.68 °C OTHER:

COLOR: clr ODOR: yes

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: clr FILTRATE ODOR: yes.

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)
1557	400	10.43	946	-120.1	0.94	17.2	20.29	4.97	INITIAL 0
1602	↓	11.03	958	-141.3	0.11	8.48	19.03	6.35	2.0
1607		9.89	740	-135.2	0.13	6.17	19.23	7.12	4.0
1612		9.86	718	-134.1	0.13	6.88	19.02	7.81	6.0
1617		10.34	735	-139.5	0.16	7.26	18.78	8.91	8.0
1620		10.67	795	-144.1	0.24	6.22	18.68	Dry	9.2
			Pumped Dry at 1620						

Ferrous - 0.5 ALK - 170 CO_2 - could not read. Put activator in water and instantly turned pink before using titrate.

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: 7-23-09	AIRBILL NUMBER: NA
COC NUMBER: 216392	SIGNATURE: Scott Middleton	DATE SIGNED: 7-23-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 7-20-09	BY: DO	DATE: 7/29/09

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: 1632	DATE: 7-20-09	SAMPLE	TIME: 0725	DATE: 7-23-09
PURGE METHOD:	☒ PUMP peristaltic ☐ BAILER		PH: 6.51 SU	CONDUCTIVITY: 761 umhos/cm	
			ORP: -89.0 mV	DO: 0.36 mg/L	
DEPTH TO WATER: 5.78 T/ PVC			TURBIDITY: 6.08 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☐ LITERS ☐ GALLONS			TEMPERATURE: 17.40 °C	OTHER:	
VOLUME REMOVED: 4.5 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: no	
COLOR: clr	ODOR: no		FILTRATE (0.45 um) ☒ YES ☑ NO		
TURBIDITY			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)
1632	300	6.51	743	-89.7	0.49	6.76	17.00	5.78	INITIAL
1637	↓	6.46	749	-81.7	0.28	7.29	17.51	7.85	1.5
1642	↓	6.48	794	-87.0	0.32	5.95	17.58	8.86	3.0
1647	↓	6.51	761	-89.0	0.36	6.08	17.40	Dry	4.5
			Pumped dry at 1647						
Sampled 1701 on 7-22-09									
0725 on 7-23-09									
- filled enough bottles for lab to run samples. Poor recovery of water in well. Not enough H_2O for Fe, Alk or CO_2 tests									

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~~ 4	40 mL	VOA	E	☐ Y ☑ N	21	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	~~4 6m~~	~~500mL~~	~~PLASTIC~~	~~A~~	~~☐ Y ☑ N~~
1	40 mL	VOA	C	☐ Y ☑ N	1	500mL	PLASTIC	B	☑ Y ☐ N
~~3~~ 1	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:	7-23-09	AIRBILL NUMBER:	NA
COC NUMBER:	216392	SIGNATURE:	Scott Mulder	DATE SIGNED:	7-23-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: DO	DATE: 7/29/09

SAMPLE ID: MW-35S
WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER
WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ GALVANIZED STEEL ☐ OTHER
SAMPLE TYPE: ☑ GW ☐ WW ☐ SW ☐ DI ☐ LEACHATE ☐ OTHER

PURGING	TIME: 1659	DATE: 7-20-09	SAMPLE	TIME: 745	DATE: 7-23-09
PURGE METHOD:	☒ PUMP Peristaltic ☐ BAILER		PH: 6.65 SU	CONDUCTIVITY: 896 umhos/cm	
			ORP: -108.2 mV	DO: 0.20 mg/L	
DEPTH TO WATER: 4.90 T/ PVC			TURBIDITY: 22.2 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☐ LITERS ☐ GALLONS			TEMPERATURE: 17.49 °C	OTHER:	
VOLUME REMOVED: 6.4 ☒ LITERS ☐ GALLONS			COLOR: clr w/ floaters	ODOR: yes	
COLOR: clr few floaters ODOR: yes			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			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)
1659	400	6.64	860	-99.8	1.51	9.68	17.40	4.90	INITIAL
1704	↓	6.62	853	-104.3	0.21	14.9	17.25	6.82	2.0
1709		6.63	890	-106.3	0.20	20.0	17.41	8.78	4.0
1714 ~~[illegible]~~		6.65	896	-108.2	0.20	22.2	17.49	9.72	6.0
1715		pumped dry						Dry	6.4
	Ferrous > 20		CO_2 - 80		ALK - 275				

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	~~1~~ 2	1 L	AMBER	F	☐ Y ☑ N
1	40 mL	VOA	A	☐ Y ☑ N	~~1~~ 3	~~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	1	500ml	Plst	A	☐ Y ☒ N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 7-23-09	AIRBILL NUMBER: NA
COC NUMBER: 216388	SIGNATURE: Scott Mulell	DATE SIGNED: 7-23-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-20-09	BY: [illegible]	DATE: 7/27/09

SAMPLE ID: MW-32S
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: 1728	DATE: 7-20-09	SAMPLE	TIME: 0835	DATE: 7-23-09
PURGE METHOD:	[X] PUMP peristaltic [ ] BAILER		PH: 6.63 SU	CONDUCTIVITY: 952 umhos/cm	
			ORP: -111.4 mV	DO: 0.19 mg/L	
DEPTH TO WATER: NM T/ PVC			TURBIDITY: NM NTU		
DEPTH TO BOTTOM: NM T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: NA [ ] LITERS [ ] GALLONS			TEMPERATURE: 18.70 °C	OTHER:	
VOLUME REMOVED: 3.6 [X] LITERS [ ] GALLONS			COLOR: Dark floaters	ODOR: yes	
COLOR: clr	ODOR: yes		FILTRATE (0.45 um) [X] YES	[✓] NO	
TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: yes	
[X] NONE [ ] 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)
1728	400	6.61	963	-103.1	3.61	7.63	19.41	NM	INITIAL
1733	↓	6.61	951	-108.3	0.28	5.17	18.95	NM	2.0
1737	↓	6.63	952	-111.4	0.19	NM	18.70	NM	3.6
		Dry at 1737							
Ferrous- >20		CO2 100		AIK-500					
WL not measured due to product in well.									

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	1	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	~~1~~ 3m	~~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: 7-23-09	AIRBILL NUMBER: NA
COC NUMBER: 216392	SIGNATURE: [illegible]	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 7-21-09	BY:	DATE: 7/29/09

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: 1010	DATE: 7-21-09	SAMPLE	TIME: 1035	DATE: 7-21-09
PURGE METHOD:	☑ PUMP Bladder ☐ BAILER		PH: 7.11 SU	CONDUCTIVITY: 464 umhos/cm	
			ORP: 123 mV	DO: 4.98 mg/L	
DEPTH TO WATER: 7.96 T/ PVC			TURBIDITY: 1 NTU		
DEPTH TO BOTTOM: 16.70 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 5.66 ☑ LITERS ☐ GALLONS			TEMPERATURE: 17.22 °C	OTHER: —	
VOLUME REMOVED: 10 ☑ LITERS ☐ GALLONS			COLOR: clr	ODOR: NO	
COLOR: clr	ODOR: No		FILTRATE (0.45 um) ☐ YES ☑ NO		
26 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: Alk: 70 CO2: 13 Ferrous: 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)
1010	400	6.69	441	148	6.47	26	18.37	7.96	INITIAL
1015	↓	7.00	457	124	5.54	3	17.30	7.96	2
1020		7.06	460	123	5.17	2	17.24	7.96	4
1025		7.08	461	123	5.09	2	17.24	7.96	6
1030		7.09	462	123	4.99	1	17.23	7.96	8
1035		7.11	464	123	4.98	1	17.23	7.96	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: Courier	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: —
COC NUMBER: 216395	SIGNATURE: [signature]	DATE SIGNED: 7/27/09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-21-09	BY: LD	DATE: 7/29/09

SAMPLE ID: MW-29S

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1013	DATE: 7-21-09	SAMPLE	TIME: 1038	DATE: 7-21-09
PURGE METHOD:	☒ PUMP QED Port. Bladder ☐ BAILER		PH: 6.47 SU	CONDUCTIVITY: 922 umhos/cm	
			ORP: -115.1 mV	DO: 0.07 mg/L	
DEPTH TO WATER: 7.35 T/ PVC			TURBIDITY: 9.51 NTU		
DEPTH TO BOTTOM: 14.58 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 4.69 ☒ LITERS ☐ GALLONS			TEMPERATURE: 17.91 °C	OTHER:	
VOLUME REMOVED: 10.0 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: no	
COLOR: clr w/dark floaters ODOR: no			FILTRATE (0.45 um) ☒ YES ☐ NO		
31.5 TURBIDITY ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
			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)
1013	400	5.97	915	-14.5	3.35	31.5	18.81	7.35	INITIAL
1018		6.27	930	-102.8	0.17	41.9	18.17	7.40	2.0
1023		6.36	932	-112.3	0.15	29.6	18.05	7.42	4.0
1028		6.40	929	-113.6	0.11	16.7	17.99	7.42	6.0
1033		6.44	925	-114.4	0.09	10.2	17.92	7.42	8.0
1038		6.47	922	-115.1	0.07	9.51	17.91	7.42	10.0
	CO_2 - 80		AIK - 250		Ferrous Fe > 20				

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: 7-21-09	AIRBILL NUMBER: NA
COC NUMBER: 216395	SIGNATURE: Scott Mudell	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-21-09	BY: JD	DATE: 7/29/09

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: 1315	DATE: 7-21-09	SAMPLE	TIME: 1345	DATE: 7-21-09
PURGE METHOD:	☒ PUMP BLADDER ☐ BAILER		PH: 7.26 SU	CONDUCTIVITY: 2310 umhos/cm	
			ORP: 112 mV	DO: 0.38 mg/L	
DEPTH TO WATER: 8.28 T/ PVC			TURBIDITY: 8 NTU		
DEPTH TO BOTTOM: 19.50 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 7.27 ☒ LITERS ☐ GALLONS			TEMPERATURE: 15.04 °C	OTHER:	
VOLUME REMOVED: 12 ☒ LITERS ☐ GALLONS			COLOR: Clr	ODOR: NO	
COLOR: Clr / Blk. Particles ODOR: NO			FILTRATE (0.45 um) ☐ YES ☑ NO		
19 TURBIDITY			FILTRATE COLOR: Clr	FILTRATE ODOR: NO	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☒ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: Alk: 80 CO_2: 21 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)
1315	400	7.41	1650	137	5.41	19	16.97	8.28	INITIAL
1320		7.21	2400	137	1.01	11	15.12	8.34	2
1325		7.26	2340	128	0.62	12	15.06	8.34	4
1330		7.29	2260	124	0.64	9	15.06	8.34	6
1335		7.30	2280	120	0.48	11	15.04	8.34	8
1340		7.28	2300	114	0.39	8	15.07	8.34	10
1345		7.26	2310	112	0.38	8	15.04	8.34	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	40 mL	VOA	E	☐ Y ☑ N	4	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
2	40 mL	VOA	C	☐ Y ☑ N	2	500mL	PLASTIC	B	☑ Y ☐ N
4	1 L	GLASS	C	☐ Y ☑ N	2	1 L	PLASTIC	A	☐ Y ☑ N
2	125 mL	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 7-21-09	AIRBILL NUMBER: 8654-1657-3270
COC NUMBER: 216397	SIGNATURE: [signature]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 7-21-09	BY: [illegible]	DATE: 7/29/09

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: 1327	DATE: 7-21-09	SAMPLE	TIME: 1412	DATE: 7-21-09
PURGE METHOD:	☒ PUMP QED Dedicated ☐ BAILER		PH: 7.19 SU	CONDUCTIVITY: 450 umhos/cm	
			ORP: -110.0 mV	DO: 0.22 mg/L	
DEPTH TO WATER: 2.80 T/ PVC			TURBIDITY: 14.5 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☐ LITERS ☐ GALLONS			TEMPERATURE: 13.79 °C	OTHER:	
VOLUME REMOVED: 18.0 ☒ LITERS ☐ GALLONS			COLOR: Clr few floaters	ODOR: no	
COLOR: orange	ODOR: no		FILTRATE (0.45 um) ☒ YES	☑ NO	
TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: Ferrous-2 CO_2-13 ALK-130		

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)
1327	400	7.35	416	-0.7	4.30	1000+	14.97	2.80	INITIAL
1332		7.23	425	-82.7	0.23	256	14.01	2.81	2.0
1337		7.21	430	-96.4	0.22	115	13.92	2.81	4.0
1342		7.21	432	-100.4	0.22	105	13.88	2.81	6.0
1347		7.20	442	-104.5	0.22	35.9	13.81	2.81	8.0
1352		7.19	446	-106.8	0.21	28.1	13.84	2.81	10.0
1357		7.19	447	-108.5	0.22	19.8	13.82	2.81	12.0
1402		7.18	448	-109.2	0.21	15.7	13.79	2.81	14.0
1407		7.18	449	-109.5	0.22	15.8	13.79	2.81	16.0
1412	↓	7.19	450	-110.0	0.22	14.5	13.79	2.81	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: 7-21-09	AIRBILL NUMBER: 8654 1657 3220
COC NUMBER: 216397	SIGNATURE: Scott Mehlhe	DATE SIGNED: 7-22-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-21-09	BY: do	DATE: 7/29/09

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

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

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

PURGING	TIME: 1445	DATE: 7-21-09	SAMPLE	TIME: 1510	DATE: 7-21-09
PURGE METHOD: [x] PUMP BLADDER [ ] BAILER			PH: 7.12 SU	CONDUCTIVITY: 1730 umhos/cm	
			ORP: 38 mV	DO: 2.10 mg/L	
DEPTH TO WATER: 8.95 T/ PVC			TURBIDITY: 9 NTU		
DEPTH TO BOTTOM: 19.50 T/ PVC			[x] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 10.55 [x] LITERS [ ] GALLONS			TEMPERATURE: 14.02 °C	OTHER:	
VOLUME REMOVED: 10 [x] LITERS [ ] GALLONS			COLOR: clr	ODOR: NO	
COLOR: BROWN / RED FLOATIES ODOR: NO			FILTRATE (0.45 um) [ ] YES [x] NO		
429 TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: NO	
[ ] NONE [ ] SLIGHT [x] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [x] OTHER			COMMENTS: Alk: 60 CO_2: 25 Fe: 1.0		

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)
1445	400	7.48	1590	53	5.31	429	16.14	8.95	INITIAL 0
1450		7.16	1700	49	1.10	60	14.16	9.00	2
1455		7.14	1730	45	1.73	45	14.05	9.00	4
1500		7.13	1740	42	2.00	21	14.02	9.00	6
1505		7.12	1740	40	2.08	12	14.00	9.00	8
1510		7.12	1730	38	2.10	9	14.02	9.00	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 [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 [ ] 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: FedEx	DATE SHIPPED: 7-27-09	AIRBILL NUMBER: 8654.1657.3270
COC NUMBER: 216397	SIGNATURE: [signature]	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 7-21-09	BY: JO	DATE: 7/29/09

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

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

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

PURGING	TIME: 1447	DATE: 7-21-09	SAMPLE	TIME: 1512	DATE: 7-21-09
PURGE METHOD: [X] PUMP QED Port. Bladder [ ] BAILER			PH: 7.14 SU	CONDUCTIVITY: 633 umhos/cm	
			ORP: -165.1 mV	DO: 0.07 mg/L	
DEPTH TO WATER: 3.02 T/ PVC			TURBIDITY: 13.0 NTU		
DEPTH TO BOTTOM: 20.25 T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 26.53 [X] LITERS [ ] GALLONS			TEMPERATURE: 13.34 °C	OTHER:	
VOLUME REMOVED: 10.0 [X] LITERS [ ] GALLONS			COLOR: few floaters	ODOR: no	
COLOR: clr w/ Dark floaters ODOR: no			FILTRATE (0.45 um) [X] YES [ ] NO		
TURBIDITY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER			COMMENTS: Ferrous > 20 Alk-150 CO_2 -30		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1447	400	7.03	600	-94.4	1.55	33.2	14.37	3.02	INITIAL
1452		7.10	632	-151.4	0.19	16.7	13.55	3.32	2.0
1457		7.11	632	-159.6	0.11	13.5	13.28	3.35	4.0
1502		7.13	634	-163.1	0.10	12.3	13.44	3.36	6.0
1507		7.14	633	-164.5	0.08	12.3	13.34	3.36	8.0
1512		7.14	633	-165.1	0.07	13.0	13.34	3.36	10.0

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: 7-21-09	AIRBILL NUMBER: 8654165732 70
COC NUMBER: 816397	SIGNATURE: [signature]	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 7-21-09	BY: [illegible]	DATE: 7/29/07

SAMPLE ID: MW-27S — WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

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

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

PURGING	TIME: 1637	DATE: 7-21-09	SAMPLE	TIME: 0741	DATE: 7-22-09

PURGE METHOD: ☑ PUMP Peristaltic ☐ BAILER

DEPTH TO WATER: 8.89 T/ PVC

DEPTH TO BOTTOM: 13.04 T/ PVC

WELL VOLUME: 2.67 ☒ LITERS ☐ GALLONS

VOLUME REMOVED: 6.4 ☒ LITERS ☐ GALLONS

COLOR: Lt. orange ODOR: no

TURBIDITY: ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.59 SU CONDUCTIVITY: 675 umhos/cm

ORP: 15.0 mV DO: 0.61 mg/L

TURBIDITY: 24.8 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 15.29 °C OTHER:

COLOR: cloudy ODOR: no

FILTRATE (0.45 um) ☒ YES ☑ NO

FILTRATE COLOR: clr FILTRATE ODOR: no

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Ferrous - 1 CO_2 - 20 ALK-250

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)
1637	400	7.69	661	46.8	1.74	27.0	15.44	8.89	INITIAL
1642	↓	7.71	658	33.4	0.97	29.4	15.27	10.41	2.0
1647	↓	7.60	674	24.1	0.95	27.7	15.44	11.51	4.0
1652	↓	7.59	675	15.0	0.61	24.8	15.29	12.30	6.0
1653		pumped dry at 1653							6.4
Sample 0741 7-22-09									
Sample 1100 7-23-09									

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
7-23 5	40 mL	VOA	E	☐ Y ☑ N	7-22 2	1 L	AMBER	F	☐ Y ☑ N
7-23 1	40 mL	VOA	A	☐ Y ☑ N	7-23 1	500mL	PLASTIC	A	☐ Y ☑ N
7-23 1	40 mL	VOA	C	☐ Y ☑ N	7-23 1	500mL	PLASTIC	B	☑ Y ☐ N
7-22 2	1 L	GLASS	C	☐ Y ☑ N	7-22 1	1 L	PLASTIC	A	☐ Y ☑ N
7-23 1	125 mL	PLASTIC	F	☐ Y ☑ N					☐ Y ☐ N

SHIPPING METHOD: ~~FedEx~~ / Lab P/U	DATE SHIPPED: 7-23-09	AIRBILL NUMBER: NA
COC NUMBER: 216393/ 216394	SIGNATURE: Scott Middleton	DATE SIGNED: 7-22-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: dO	DATE: 7/29/09

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

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

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

PURGING	TIME: 0844	DATE: 7-22-09	SAMPLE	TIME: 0944	DATE: 7-22-09
PURGE METHOD: [x] PUMP QED Port. Bladder [ ] BAILER			PH: 6.77 SU	CONDUCTIVITY: 604 umhos/cm	
			ORP: -64.0 mV	DO: 0.15 mg/L	
DEPTH TO WATER: 2.19 T/ PVC			TURBIDITY: 19.3 NTU		
DEPTH TO BOTTOM: 9.65 T/ PVC			[ ] NONE [x] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 4.83 [x] LITERS [ ] GALLONS			TEMPERATURE: 15.93 °C	OTHER: —	
VOLUME REMOVED: 24.0 [x] LITERS [ ] GALLONS			COLOR: Clr w/ Floaters	ODOR: no	
COLOR: Lt Brown	ODOR: no		FILTRATE (0.45 um) [x] YES [ ] NO		
TURBIDITY 125			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)
0844	400	5.91	623	110.9	7.93	125	15.70	2.19	INITIAL
0849		6.68	574	-39.7	0.31	104.5	15.38	2.26	2.0
0854		6.81	580	-76.7	0.30	41.0	15.85	2.32	4.0
0859		6.87	582	-81.3	0.42	19.4	16.03	2.36	6.0
0904		6.89	584	-78.5	0.56	15.6	16.11	2.41	8.0
0909		6.91	586	-76.6	0.61	12.5	16.11	2.50	10.0
0914		6.90	589	-76.2	0.49	45.3	16.08	2.63	12.0
0919		6.88	593	-77.9	0.28	61.6	15.99	2.71	14.0
0924		6.87	596	-79.0	0.20	30.3	15.98	2.79	16.0
0929		6.85	599	-75.9	0.18	26.7	15.95	2.82	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 [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 [ ] 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 P/U	DATE SHIPPED: 7-22-09	AIRBILL NUMBER: NA
COC NUMBER: 216393	SIGNATURE: [signature]	DATE SIGNED: 7-22-09

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: 7-22-09	BY: SD	DATE: 7/29/09

SAMPLE ID: MW-25 (R)

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)
0934	400	6.80	600	-70.1	0.17	18.6	15.93	2.85	20.0
0939	↓	6.78	602	-66.4	0.15	17.8	15.91	2.89	22.0
0944	↓	6.77	604	-64.0	0.15	19.3	15.93	2.92	24.0
Ferrous- 3			CO_2 - 20			ALK - 150			

SIGNATURE: Scott Muddle

DATE SIGNED: 7-22-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: [illegible]	DATE: 7/29/09

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

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

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

PURGING	TIME: 0851	DATE: 7-22-09	SAMPLE	TIME: 0916	DATE: 7-22-09

PURGE METHOD: ☑ PUMP Blower ☐ BAILER

DEPTH TO WATER: 8.41 T/ PVC

DEPTH TO BOTTOM: 16.05 T/ PVC

WELL VOLUME: 18.94 ☑ LITERS ☐ GALLONS

VOLUME REMOVED: 10 ☑ LITERS ☐ GALLONS

COLOR: Cloudy ODOR: NO

131 TURBIDITY

☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER

PH: 7.25 SU CONDUCTIVITY: 1690 umhos/cm

ORP: 111 mV DO: 0.69 mg/L

TURBIDITY: 9 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 14.98 °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: 70 CO_2: 20 Fe: 0.1

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)
0851	400	7.05	1720	133	5.45	131	17.53	8.41	INITIAL
0856		7.14	1760	125	1.63	65	14.93	8.60	2
0901		7.18	1730	117	0.83	40	14.90	8.60	4
0906		7.21	1710	114	0.75	23	14.93	8.60	6
0911		7.22	1700	112	0.70	15	14.97	8.60	8
0916		7.25	1690	111	0.69	9	14.98	8.60	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: Courier	DATE SHIPPED: 7.22.09	AIRBILL NUMBER: —
COC NUMBER: 216393	SIGNATURE: [signature]	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: DD	DATE: 7/29/09

SAMPLE ID: ATM-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: 0950	DATE: 7-22-09

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)
0950		Sample		~					INITIAL

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	DATE SHIPPED: 7-22-09	AIRBILL NUMBER: —
COC NUMBER: 216393	SIGNATURE: [signature]	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 7-22-09	BY: DO	DATE: 7/29/09

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

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

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

PURGING	TIME: 1011	DATE: 7-22-09	SAMPLE	TIME: 1036	DATE: 7-22-09
PURGE METHOD: [X] PUMP Bladder [ ] BAILER			PH: 7.07 SU	CONDUCTIVITY: 640 umhos/cm	
			ORP: -100 mV	DO: 0.14 mg/L	
DEPTH TO WATER: 9.00 T/ PVC			TURBIDITY: 1 NTU		
DEPTH TO BOTTOM: NM T/ PVC			[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: NA [ ] LITERS [ ] GALLONS			TEMPERATURE: 14.06 °C	OTHER:	
VOLUME REMOVED: 10 [X] LITERS [ ] GALLONS			COLOR: clr	ODOR: slight	
COLOR: Clr/Blk. Floaties ODOR: slight			FILTRATE (0.45 um) [ ] YES [✓] NO		
TURBIDITY 9			FILTRATE COLOR: clr	FILTRATE ODOR: no	
[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [ ] DRUM [X] OTHER			COMMENTS: Alk: 70 CO_2: 50 Fe: 10		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1011	400	6.99	680	8	4.64	9	18.17	9.00	INITIAL
1016		7.00	654	-51	0.92	5	14.24	9.15	2
1021		7.04	641	-82	0.54	3	14.18	9.15	4
1026		7.05	637	-91	0.23	3	14.17	9.15	6
1031		7.05	638	-97	0.16	2	14.04	9.15	8
1036		7.07	640	-100	0.14	1	14.06	9.15	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: Courier	DATE SHIPPED: 7.22.09	AIRBILL NUMBER: —
COC NUMBER: 716393	SIGNATURE: S Pawlik	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: dD	DATE: 7/29/09

SAMPLE ID: MW-30i

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

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

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

PURGING	TIME: 1039	DATE: 7-22-09	SAMPLE	TIME: 1134	DATE: 7-22-09
PURGE METHOD: [x] PUMP QED Port. Bladder [ ] BAILER			PH: 7.06 SU	CONDUCTIVITY: 682 umhos/cm	
			ORP: -143.2 mV	DO: 0.05 mg/L	
DEPTH TO WATER: 2.85 T/ PVC			TURBIDITY: 9.62 NTU		
DEPTH TO BOTTOM: 18.10 T/ PVC			[x] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 9.88 [x] LITERS [ ] GALLONS			TEMPERATURE: 15.86 °C	OTHER:	
VOLUME REMOVED: 22.0 [x] LITERS [ ] GALLONS			COLOR: clr	ODOR: no	
COLOR: clr w/ few floaters ODOR: no			FILTRATE (0.45 um) [x] YES [x] NO		
TURBIDITY 75.9 [ ] NONE [x] ~~SLIGHT~~ [x] MODERATE [ ] VERY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
			QC SAMPLE: [ ] MS/MSD [x] DUP- 02		
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)
1039	400	7.00	689	-77.2	5.01	75.9	18.24	2.85	INITIAL
1044	↓	7.00	691	-127.7	1.53	91.4	16.26	2.88	2.0
1049		7.03	688	-135.6	0.91	77.5	16.04	2.88	4.0
1054		7.04	681	-138.4	0.52	57.4	15.66	2.88	6.0
1059		7.03	683	-140.3	0.32	43.0	15.80	2.88	8.0
1104		7.04	684	-141.4	0.21	29.1	15.88	2.88	10.0
1109		7.05	682	-141.9	0.14	22.1	15.82	2.88	12.0
1114		7.06	677	-142.1	0.10	19.5	15.54	2.88	14.0
1119		7.04	679	-142.1	0.08	17.3	15.66	2.88	16.0
1124	↓	7.06	682	-143.0	0.06	13.0	15.80	2.88	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
10	40 mL	VOA	E	[ ] Y [x] N	4	1 L	AMBER	F	[ ] Y [x] N
2	40 mL	VOA	A	[ ] Y [x] N	2	500mL	PLASTIC	A	[ ] Y [x] N
2	40 mL	VOA	C	[ ] Y [x] N	2	500mL	PLASTIC	B	[x] Y [ ] N
4	1 L	GLASS	C	[ ] Y [x] N	2	1 L	PLASTIC	A	[ ] Y [x] N
2	125 mL	PLASTIC	F	[ ] Y [x] N					[ ] Y [ ] N

SHIPPING METHOD: Lab P/U	DATE SHIPPED: 7-22-09	AIRBILL NUMBER: NA
COC NUMBER: 216393	SIGNATURE: Scott Mudell	DATE SIGNED: 7-22-09

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: 7-22-09	BY: DO	DATE: 7/29/09

SAMPLE ID: MW-30i

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)
1129	400	7.05	682	-143.1	0.06	12.8	15.83	2.88	20.0
1134	400	7.06	682	-143.2	0.05	9.62	15.86	2.88	22.0
		CO_2 - 50		Alk - 180		Ferrous - 18			

SIGNATURE: Scott Middle

DATE SIGNED: 7-22-09

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE:	BY: DW	DATE: 7/29/09

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

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

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

PURGING	TIME: 1345	DATE: 7-22-09	SAMPLE	TIME: 1455	DATE: 7-22-09
PURGE METHOD:	☒ PUMP Bladder ☐ BAILER		PH: 6.83 SU	CONDUCTIVITY: 669 umhos/cm	
			ORP: 137 mV	DO: 1.10 mg/L	
DEPTH TO WATER: 8.76 T/ PVC			TURBIDITY: 3 NTU		
DEPTH TO BOTTOM: 15.59 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 4.43 ☒ LITERS ☐ GALLONS			TEMPERATURE: 14.16 °C	OTHER:	
VOLUME REMOVED: 24 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: no	
COLOR: clr	ODOR: no		FILTRATE (0.45 um) ☐ YES ☑ NO		
37 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: 35.0 Fe: 1.0		

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)
1345	400	6.71	535	152	2.53	37	15.78	8.76	INITIAL
1350		6.60	531	137	0.97	103	14.75	8.88	2
1405 ~~1355~~		6.72	537	130	0.90	27	15.41	8.88	4
1410 ~~1400~~		6.68	545	133	0.54	19	14.53	8.88	6
1415 ~~1405~~		6.71	561	135	0.60	11	14.54	8.88	8
1420		6.74	580	136	0.67	8	14.40	8.88	10
1425		6.78	599	137	0.57	5	14.42	8.88	12
1430		6.77	617	139	0.68	4	14.44	8.88	14
1435		6.78	630	140	0.92	3	14.34	8.88	16
1440		6.80	645	139	1.10	4	14.26	8.88	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: Courier	DATE SHIPPED: 7-27-09	AIRBILL NUMBER: —
COC NUMBER: 716391	SIGNATURE: [signature]	DATE SIGNED: 7-27-09

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: 7-22-09	BY: LO	DATE: 7/29/09

SAMPLE ID: MW-19-5

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)
1445	400	6.81	659	139	1.32	3	14.33	8.88	20
1450		6.82	662	138	0.90	4	14.27	8.88	22
1455		6.83	664	137	1.10	3	14.16	8.88	24

SIGNATURE: S Pawlitz

DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY SM/SP	DATE: 7-22-09	BY: DO	DATE: 7/29/09

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: 1412	DATE: 7-22-09	SAMPLE	TIME: 1457	DATE: 7-22-09
PURGE METHOD:	☒ PUMP QED Port. Bladder. ☐ BAILER		PH: 6.93 SU	CONDUCTIVITY: 724 umhos/cm	
			ORP: -118.2 mV	DO: 0.06 mg/L	
DEPTH TO WATER: 3.11 T/ PVC			TURBIDITY: 9.50 NTU		
DEPTH TO BOTTOM: 12.09 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 5.82 ☒ LITERS ☐ GALLONS			TEMPERATURE: 18.26 °C	OTHER:	
VOLUME REMOVED: 18.0 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: no	
COLOR: Gray	ODOR: no		FILTRATE (0.45 um) ☒ YES	☑ NO	
TURBIDITY ☐ NONE ☒ ~~SLIGHT~~ mo ☐ MODERATE ☒ VERY			FILTRATE COLOR: clr	FILTRATE ODOR: no	
			QC SAMPLE: ☐ MS/MSD	☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☒ OTHER			COMMENTS: CO_2-50 Alk-225 Ferrous-≥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)
1412	400	6.77	759	-77.5	0.74	116	21.06	3.11	INITIAL
1417	↓	6.87	739	-115.8	0.60	127	19.52	3.15	2.0
1422		6.90	733	-122.1	0.29	112	18.85	3.15	4.0
1427		6.91	731	-122.6	0.17	68.6	18.68	3.15	6.0
1432		6.93	729	-121.8	0.12	47.1	18.52	3.15	8.0
1437		6.94	729	-121.1	0.09	25.3	18.51	3.15	10.0
1442		6.93	725	-120.2	0.08	19.9	18.28	3.15	12.0
1447		6.93	724	-119.3	0.07	13.7	18.23	3.15	14.0
1452		6.92	723	-118.3	0.06	11.1	18.19	3.15	16.0
1457	↓	6.93	724	-118.2	0.06	9.50	18.26	3.15	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: 7-22-09	AIRBILL NUMBER: 8654165732 81
COC NUMBER: 216388	SIGNATURE: Scott Mur	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: 20	DATE: 7/29/09

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

PURGING	TIME: 1535	DATE: 7-22-09	SAMPLE	TIME: 1605	DATE: 7-22-09
PURGE METHOD: ☒ PUMP QED Port. Bladder ☐ BAILER			PH: 6.93 SU	CONDUCTIVITY: 899 umhos/cm	
			ORP: -114.2 mV	DO: 0.06 mg/L	
DEPTH TO WATER: 5.66 T/ PVC			TURBIDITY: 9.66 NTU		
DEPTH TO BOTTOM: 17.63 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 2.76 ~~LITERS~~ ☒ LITERS ☐ GALLONS			TEMPERATURE: 14.81 °C	OTHER:	
VOLUME REMOVED: 12.0 ☒ LITERS ☐ GALLONS			COLOR: clr	ODOR: none	
COLOR: clr w/ dark floaters ODOR: no			FILTRATE (0.45 um) ☒ YES ☐ NO		
37.1 TURBIDITY			FILTRATE COLOR: ~~tan~~ 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)
1535	400	7.23	608	-93.9	0.96	37.1	19.85	5.66	INITIAL
1540		6.98	822	-107.4	0.18	61.2	15.80	5.66	2.0
1545		6.98	888	-111.7	0.08	54.2	15.03	5.66	4.0
1550		6.97	892	-112.8	0.07	34.7	14.80	5.66	6.0
1555		6.95	901	-113.8	0.09	21.8	15.01	5.66	8.0
1600		6.94	900	-114.1	0.07	15.3	14.91	5.66	10.0
1605		6.93	899	-114.2	0.06	9.66	14.81	5.66	12.0
	Ferrous - >20			CO_2 - 40		ALK - 160			

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: 7-22-09	AIRBILL NUMBER: 8654 1657 3281
COC NUMBER: 216 388	SIGNATURE: Scott Mobile	DATE SIGNED: 7-27-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7-22-09	BY: DD	DATE: 7/29/09

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: 1554	DATE: 7-22-09	SAMPLE	TIME: 1639	DATE: 7-22-09
PURGE METHOD:	☑ PUMP QED Bladder ☐ BAILER		PH: 7.88 SU	CONDUCTIVITY: 1007 umhos/cm	
			ORP: -96 mV	DO: 0.52 mg/L	
DEPTH TO WATER: 5.45 T/ PVC			TURBIDITY: 4 NTU		
DEPTH TO BOTTOM: NM T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: NA ☐ LITERS ☐ GALLONS			TEMPERATURE: 13.70 °C	OTHER:	
VOLUME REMOVED: 16 ☒ LITERS ☐ GALLONS			COLOR: Clr	ODOR: NO	
COLOR: Clr	ODOR: NO		FILTRATE (0.45 um) ☐ YES	☑ NO	
13 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: 50 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)
1554	400	7.04	828	73	3.16	13	20.63	5.45	INITIAL
1559		7.52	1085	-45	1.17	131	14.55	5.50	2
~~1604~~		7.55	1072	-65	0.94	87	14.39	5.50	4
1609		7.76	1048	-83	0.83	47	14.14	5.55	6
1614		7.77	1393	-88	0.62	31	13.94	5.55	8
1619		7.85	1022	-93	0.45	21	13.98	5.58	10
1624	—	—	—		—		—	—	—
1629		7.81	1012	-89	0.78	13	13.92	5.58	12
1634		7.85	1005	-93	0.46	5	13.71	5.58	14
1639		7.88	1007	-96	0.52	4	13.70	5.58	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
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: 7-22-09	AIRBILL NUMBER: 8659-1859-3781
COC NUMBER: 216388	SIGNATURE: [signature]	DATE SIGNED: 7-22-09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME:	LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.35	BY: SM/SP	DATE: 7.23.09	BY: DW	DATE: 7/29/09

SAMPLE ID: RB-01 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: 0830	DATE: 7.23.09

PURGE METHOD: ☐ PUMP ☐ BAILER	PH: SU / CONDUCTIVITY: umhos/cm
	ORP: mV / DO: mg/L
DEPTH TO WATER: TA PVC	TURBIDITY: NTU
DEPTH TO BOTTOM: TA 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,		RMT	old	Pump.			

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	DATE SHIPPED: 7.23.09	AIRBILL NUMBER: —
COC NUMBER: 716392	SIGNATURE: S Pawlak	DATE SIGNED: 7.27.09

REVISED 03/2008

RMT WATER SAMPLE LOG

PROJECT NAME: LE Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.35	BY: SM/SP	DATE: 7.23.09	BY: dO	DATE: 7/29/09

SAMPLE ID: RB-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:	SAMPLE	TIME: 0845	DATE: 7.23.09

PURGE METHOD: ☐ PUMP ☐ BAILER NA

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 NA 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, RMT new Pump.								

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	DATE SHIPPED: 7.23.09	AIRBILL NUMBER: ____
COC NUMBER: 216392	SIGNATURE: S Pandeling	DATE SIGNED: 7.27.09

REVISED 03/2008

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216396

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

(1)
Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer Overvoorde P.O.#: [redacted] 6527.35
Samplers: 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 | (4) Matrix: Soil | Water | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: BTEX EPA602 (H) | Base Neutrals (O) | Remarks | (6) Indicate if sensitive samples (non-representative) if requested

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX EPA602 (H)	Base Neutrals (O)	Remarks
Dup-01	7-20-09	—	X			X		5	3	2	
DRC-02	7-20-09	1205	X			X		5	3	2	
SW-D-5	7-20-09	1210	X			X		5	3	2	
SW-R-1	7-20-09	1225	X			X		5	3	2	
SW-R-2	7-20-09	1233	X			X		5	3	2	
SW-R-3	7-20-09	1245	X			X		5	3	2	
SW-D-4	7-20-09	1255	X			X		5	3	2	
SW-R-4	7-20-09	1310	X			X		5	3	2	
SW-R-6	7-20-09	1330	X			X		5	3	2	
SW-R-5	7-20-09	1345	X			X		5	3	2	

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	7/21/09	13:[illegible]	[signature]	7/21/09	1[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216395

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

For Lab Use Only
FSC: _____
SCR#: _____

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

(1) Client: RMT, Inc Acct. #: _____
Project Name/#: LE Carpenter PWSID #: _____
Project Manager: Jennifer 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbons	Total PGS P/NH3	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC	Remarks
									H	O	H	S						
MW-29s	7-21-09	1035	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-12	7-21-09	1035	X			X		15	3	2	2	2	2	1	1	1	1	
TB-01						X		2										

(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 A. Pawlukiewicz	7/21/09	13:30	[signature]	7/21/09	13:30

54 of 58

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216397

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

For Lab Use Only
FSC: _____
SCR#: 28553

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

(1) Client: RMT, Inc Acct. #: _____
Project Name/#: LE Carpenter PWSID #: _____
Project Manager: Jennifer Ovenvoorde 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbon	Total PAS P/NH3	TDS, TSS / Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss Lead	HPC	Remarks
									H	O	H		O					
MW-30d	7-21-09	1412	X			X		15	3	2	2	2	2	1	1	1	1	Diss lead is field
MW-8	7-21-09	1512	X			X		15	3	2	2	2	2	1	1	1	1	filtered
SW-D-3	7-21-09	1730	X			X		5	3	2								
SW-D-2	7-21-09	1745	X			X		5	3	2								
SW-D-1	7-21-09	1755	X			X		5	3	2								
MW-19-7	7-21-09	1345	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-7 MS/MSD	7-21-09	1345	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-6	7-21-09	1510	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-12	7-21-09	1035	X			X		5	3		2							
TB-02	7-19-09	—				X												

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: jennifer.ovenvoorde@rmtinc.com
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
Bottle Storage	7-20-09	700	R. Vinding	7-20-09	700
R. Vinding	7-20-09	1010	Dave Conchon	7-20-09	1010
Scott Middlebrook	7/21/09	1930	FedEx	7/21/09	1930

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

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Acct. # _____ Group# _____ Sample # _____

COC # 216393

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: Jennifer Overwoorde P.O.#: 6527.35
Sampler: S. Middlebrook, S. Paulukiewicz Quote #: _____
Name of state where samples were collected: NJ

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace (Hydrocarbon)	Total Pos P/ NH_3	TDS, TSS, /Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC	Remarks
									H	O	H	S	O	S	O	N	O	
MW-27	7-22-09	741	X			X		5		2		2	1					Diss lead is
MW-25(R)	7-22-09	0944	X			X		10		2		2	2	1	1	1	1	field filtered
MW-30i	7-22-09	1134	X			X		10		2		2	2	1	1	1	1	
MW-19-4	7-22-09	0916	X			X		10		2		2	2	1	1	1	1	
MW-19	7-22-09	1036	X			X		10		2		2	2	1	1	1	1	ATM-01 is total Pb
ATM-01	7-22-09	0950	X			X		10		2		2	2	1	1	1	1	not field filtered
Dup-02	7-22-09	—	X			X		10		2		2	2	1	1	1	1	

Matrix: ☐ Potable ☐ NPDES Check Applicable

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

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]	7-22-09	1255	R. Kinsley	7-22-09	1255

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216388

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Base Neutrals	Total P as P/NH_3	TDS, TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC			Remarks
									O	S	O	S	O	N	O			
MW-34S	7-22-09	1701	X			X		3	1	1					1			Diss lead is field filtered.
MW-30S	7-22-09	1457	X			X		10	2	2	2	1	1	1	1			
MW-28S	7-22-09	1605	X			X		10	2	2	2	1	1	1	1			
MW-28i	7-22-09	1639	X			X		10	2	2	2	1	1	1	1			
MW-19-5	7-22-09	1455	X			X		10	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: jennifer.overwoorde@rmtinc.com
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 Middlebrook	7-22-09	1800	FedEx	7-22-09	1800
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

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 # 216392

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.#: 652735

Sampler: S. Middlebrook / S. Pawlykiewicz 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)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX (EPA 602) H	Base Neutrals O	Volatile Petroleum Hydrocarbon H	Total Phos/NH3 S	TDS/TSS/Sulfate O	Nitrate Nitrogen S	Nitrite Nitrogen O	Diss lead N	HPC O	Remarks
RB-01	7-23-09	0830	X			X		15	3	2	2	2	2	1	1	1	1	Diss lead is field
RB-02	7-23-09	0845	X			X		15	3	2	2	2	2	1	1	1	1	filtered except
MW-28S	7-22-09	1605	X			X		5	3		2							RB-01, 02 (not filtered) are
MW-30S	7-22-09	1457	X			X		5	3		2							total
MW-34S	7-23-09	0725	X			X		8	3		1		1	1	1	1		
MW-35S	7-23-09	0745	X			X		15	3	2	2	2	2	1	1	1	1	
MW-33S	7-23-09	0945	X			X		15	3	2	2	2	2	1	1	1	1	Partial bottle set
MW-32S	7-23-09	0835	X			X		13	3	1	2	2	1	1	1	1	1	for MW-32 and 34 due
MW-31S	7-23-09	0900	X			X		15	3	2	2	2	2	1	1	1	1	to lack of water.

(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
Scott Pawlykiewicz	7/23/09	1335	R. Pawlykiewicz	7-23-09	1335
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

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 216394

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: Jennifer 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbon	Total PAS P/NH3	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved	HPC	Remarks
									H	O	H	S	O	S	O	N	O	
TB-03	7-21-09	—				X		2	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
mw-27	7-23-09	1100	X			X		10	3		2		1	1	1	1	1	
mw-25(R)	7-22-09	0944	X			X		5	3		2							
mw-30i	7-22-09	1134	X			X												
mw-19-4	7-22-09	0916	X			X												
mw-19	7-22-09	1036	X			X												
ATM-01	7-22-09	0950	X			X												
Dup-02	7-22-09	—	X			X		5	3		2							
mw-19-5	7-22-09	1455	X			X		5	3		2							
mw-28i	7-22-09	1639	X			X		5	3		2							

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

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@hotmail.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 A Pawlukiewicz	7/23/09	1335	R. Kindy	7-23-09	1335
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

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

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Appendix B
3rd 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

August 03, 2009

SAMPLE GROUP

The sample group for this submittal is 1154725. Samples arrived at the laboratory on Thursday, July 23, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
TB-03 Water	5731322
MW-27s Grab Water	5731323
MW-25(R) Grab Water	5731324
MW-30i Grab Water	5731325
MW-19-4 Grab Water	5731326
MW-19 Grab Water	5731327
ATM-01 Grab Water	5731328
DUP-02 Grab Water	5731329
MW-19-5 Grab Water	5731330
MW-28i Grab Water	5731331
RB-01 Grab Water	5731332
RB-02 Grab Water	5731333
MW-28s Grab Water	5731334
MW-30s Grab Water	5731335
MW-34s Grab Water	5731336
MW-35s Grab Water	5731337
MW-33s Grab Water	5731338
MW-32s Grab Water	5731339
MW-31s Grab Water	5731340

METHODOLOGY

Lancaster Laboratories

Analysis Report

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The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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,

Chad A. Moline
Group Leader

Analysis Report

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

Lancaster Laboratories Sample No. WW 5731322

Group No. 1154725
NJ

TB-03 Water
216394
L.E. Carpenter, NJ

Collected: 07/21/2009

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

TB003 SDG#: LEC79-01TB

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
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 13:16	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 19:58	Dustin A Underkoffler	1

Analysis Report

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

Lancaster Laboratories Sample No. WW 5731323

Group No. 1154725
NJ

MW-27s Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/23/2009 11:00 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M-27S SDG#: LEC79-02

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
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	43.9	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.38	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	616	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	6.8 J	3.0	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	8	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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731323

Group No. 1154725
NJ

MW-27s Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/23/2009 11:00 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M-27S SDG#: LEC79-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009	13:40	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	20:12	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	20:56	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009	03:58	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102A	07/28/2009	17:39	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101A	07/23/2009	20:50	James S Mathiot	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009	08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009	19:08	Geraldine C Smith	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009	08:23	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5731324

Group No. 1154725
NJ

MW-25(R) Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 09:44 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M-25R SDG#: LEC79-03

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
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	100	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 14:06	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 20:26	Dustin A Underkoffler	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5731325

Group No. 1154725
NJ

MW-30i Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 11:34 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M-30I SDG#: LEC79-04

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
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	660	10	2
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 14:31	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 20:41	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/28/2009 09:49	Dustin A Underkoffler	2

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Analysis Report

Lancaster Laboratories Sample No. WW 5731326

Group No. 1154725
NJ

MW-19-4 Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 09:16 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M19-4 SDG#: LEC79-05

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
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 14:56	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 20:55	Dustin A Underkoffler	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5731327

Group No. 1154725
NJ

MW-19 Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 10:36 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

M19-- SDG#: LEC79-06

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.	45	50
04601	Ethylbenzene	100-41-4	1,100	40	50
04601	Toluene	108-88-3	48,000	400	500
04601	Xylene (total)	1330-20-7	5,700	45	50
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	23	1.0	1
07105	Ethene	74-85-1	2.4 J	1.0	1
07105	Methane	74-82-8	5,300	250	50
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 15:21	Linda C Pape	50
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 15:46	Linda C Pape	500
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 21:09	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/28/2009 10:04	Dustin A Underkoffler	50

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 5731328

Group No. 1154725
NJ

ATM-01 Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 09:50 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

ATM-1 SDG#: LEC79-07AB

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 16:12	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/27/2009 22:50	Glorines Suarez-Rivera	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5731329

Group No. 1154725
NJ

DUP-02 Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

FD002 SDG#: LEC79-08FD

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	730	10	2
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 16:37	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/27/2009 23:50	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 10:20	Glorines Suarez-Rivera	2

Analysis Report

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Lancaster Laboratories Sample No. WW 5731330

Group No. 1154725
NJ

MW-19-5 Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 14:55 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W19-5 SDG#: LEC79-09

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.	45	50
04601	Ethylbenzene	100-41-4	1,200	40	50
04601	Toluene	108-88-3	68,000	400	500
04601	Xylene (total)	1330-20-7	6,600	45	50
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	9.6	1.0	1
07105	Ethene	74-85-1	1.4 J	1.0	1
07105	Methane	74-82-8	3,400	50	10
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 17:02	Linda C Pape	50
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 17:27	Linda C Pape	500
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 00:04	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 10:35	Glorines Suarez-Rivera	10

Analysis Report

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Lancaster Laboratories Sample No. WW 5731331

Group No. 1154725
NJ

MW-28i Grab Water
216394
L.E. Carpenter, NJ

Collected: 07/22/2009 16:39 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W28I- SDG#: LEC79-10

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
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	2,100	50	10
07105	Propane	74-98-6	N.D.	1.0	1

General Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 17:52	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 00:19	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 10:50	Glorines Suarez-Rivera	10

Analysis Report

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Lancaster Laboratories Sample No. WW 5731332

Group No. 1154725
NJ

RB-01 Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:30 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

RB001 SDG#: LEC79-11RB

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	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.	32	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 5731332

Group No. 1154725
NJ

RB-01 Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:30 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

RB001 SDG#: LEC79-11RB

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 18:17	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009 01:13	William T Parker	1
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 00:34	Glorines Suarez-Rivera	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:45	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009 04:45	Ashley M Adams	1
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101B	07/28/2009 17:21	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009 20:51	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009 20:47	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009 15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009 08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009 19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009 18:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009 08:23	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731333

Group No. 1154725
NJ

RB-02 Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

RB002 SDG#: LEC79-12RB

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
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	N.D.	1.5	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.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5731333

Group No. 1154725
NJ

RB-02 Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

RB002 SDG#: LEC79-12RB

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 18:42	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009 01:55	William T Parker	1
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 00:49	Glorines Suarez-Rivera	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 21:00	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009 05:01	Ashley M Adams	1
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102A	07/28/2009 17:40	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009 20:53	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009 20:48	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009 15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009 08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009 19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009 18:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009 08:23	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731334

Group No. 1154725
NJ

MW-28s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/22/2009 16:05 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-28S SDG#: LEC79-13

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	18	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	53	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	5,200	250	50
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 19:08	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 01:04	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 11:06	Glorines Suarez-Rivera	50

Analysis Report

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Lancaster Laboratories Sample No. WW 5731335

Group No. 1154725
NJ

MW-30s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/22/2009 14:57 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-30S SDG#: LEC79-14

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	8	0.8	1
04601	Toluene	108-88-3	N.D.	0.8	1
04601	Xylene (total)	1330-20-7	34	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	4,200	250	50
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 19:33	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 01:19	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 11:21	Glorines Suarez-Rivera	50

Analysis Report

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Lancaster Laboratories Sample No. WW 5731336

Group No. 1154725
NJ

MW-34s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 07:25 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-34S SDG#: LEC79-15

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.	2	2
04601	Ethylbenzene	100-41-4	1,300	16	20
04601	Toluene	108-88-3	5 J	2	2
04601	Xylene (total)	1330-20-7	6,700	18	20
	The initial GC/MS volatile analysis (DF 2) was performed using a previously opened vial with headspace. The only analytes reported from the initial analysis are benzene and toluene.				
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	9,600	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	4.9 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	0.031 J	0.015	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	56.4	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 20:23	Linda C Pape	20
04601	BTEX by 624	EPA 624	1	M092111AA	07/31/2009 00:38	Linda C Pape	2
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 01:34	Glorines Suarez-Rivera	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5731336

Group No. 1154725
NJ

MW-34s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 07:25 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-34S SDG#: LEC79-15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 11:36	Glorines Suarez-Rivera	50
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 21:04	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009 05:17	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102A	07/28/2009 17:44	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009 20:54	James S Mathiot	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009 19:08	Geraldine C Smith	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5731337

Group No. 1154725
NJ

MW-35s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 07:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-35S SDG#: LEC79-16

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	14,000	160	200
04601	Toluene	108-88-3	36 J	16	20
04601	Xylene (total)	1330-20-7	92,000	180	200
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	20,000	480	500
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	17,000	500	100
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	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	0.087	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.25	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	466	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	114	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	1.4	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	50	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5731337

Group No. 1154725
NJ

MW-35s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 07:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-35S SDG#: LEC79-16

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009	20:48	Linda C Pape	20
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009	21:13	Linda C Pape	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009	11:56	William T Parker	500
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009	06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009	01:49	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009	11:51	Glorines Suarez-Rivera	100
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	21:07	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009	05:33	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102A	07/28/2009	17:45	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009	20:55	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009	20:49	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009	15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009	08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009	19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009	18:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009	08:23	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731338

Group No. 1154725
NJ

MW-33s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 09:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-33S SDG#: LEC79-17

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	2 J	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	81,000	2,500	500
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.				
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	5,100	130	25
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	12.9	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	0.13	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.42	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	610	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	181	7.5	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	5.8	0.40	2
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	1,200	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5731338

Group No. 1154725
NJ

MW-33s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 09:45 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-33S SDG#: LEC79-17

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009	21:39	Linda C Pape	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009	12:40	William T Parker	500
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009	06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009	02:18	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009	12:07	Glorines Suarez-Rivera	25
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	21:11	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009	05:49	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102B	07/28/2009	17:47	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009	21:01	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009	20:50	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009	15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009	08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009	19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009	18:00	Luz M Groff	2
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009	08:23	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731339

Group No. 1154725
NJ

MW-32s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:35 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-32S SDG#: LEC79-18

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	7,400	40	50
04601	Toluene	108-88-3	N.D.	40	50
04601	Xylene (total)	1330-20-7	43,000	180	200
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	5,400	200	200
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	12,000	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	2.8 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	0.098	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.	620	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	113	5.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.60	3
	The reporting limit for ammonia nitrogen was increased due to insufficient sample volume.				
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	290	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5731339

Group No. 1154725
NJ

MW-32s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 08:35 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-32S SDG#: LEC79-18

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 22:29	Linda C Pape	50
04601	BTEX by 624	EPA 624	1	M092101AA	07/30/2009 05:27	Kathrine K Muramatsu	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009 13:23	William T Parker	200
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 02:33	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 12:37	Glorines Suarez-Rivera	50
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 21:15	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009 06:05	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102B	07/28/2009 17:50	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009 21:03	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009 20:52	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009 15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009 08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009 19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009 18:00	Luz M Groff	3
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009 08:23	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5731340

Group No. 1154725
NJ

MW-31s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 09:00 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-31S SDG#: LEC79-19*

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	5	J	5	5
04601	Ethylbenzene	100-41-4	4,500		40	50
04601	Toluene	108-88-3	10	J	4	5
04601	Xylene (total)	1330-20-7	22,000		45	50
EPA 625	**GC/MS Semivolatiles**		**ug/l**		**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	23,000		480	500
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.		2.0	1
07105	Methane	74-82-8	12,000		250	50
07105	Propane	74-98-6	N.D.		2.0	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	35.9		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	0.24		0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.12		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	576		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	19.8		0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	6,800		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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5731340

Group No. 1154725
NJ

MW-31s Grab Water
216392
L.E. Carpenter, NJ

Collected: 07/23/2009 09:00 by SM

Account Number: 09322

Submitted: 07/23/2009 16:45
Reported: 08/03/2009 at 14:38
Discard: 09/03/2009

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

W-31S SDG#: LEC79-19*

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 22:54	Linda C Pape	5
04601	BTEX by 624	EPA 624	1	M092101AA	07/29/2009 23:19	Linda C Pape	50
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009 14:05	William T Parker	500
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 02:48	Glorines Suarez-Rivera	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080022A	07/28/2009 12:53	Glorines Suarez-Rivera	50
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 21:19	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09209196601B	07/29/2009 06:53	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106102B	07/28/2009 17:52	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101B	07/23/2009 21:04	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09207109101A	07/29/2009 20:53	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09207109101A	07/26/2009 15:30	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09209021201A	07/28/2009 08:52	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09208020602A	07/27/2009 19:08	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09209022101A	07/28/2009 18:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAHB	07/26/2009 08:23	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154725
Reported: 08/03/09 at 02:38 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: M092101AA	Sample number(s): 5731322-5731340							
Benzene	N.D.	0.9	ug/l	105		80-121		
Ethylbenzene	N.D.	0.8	ug/l	96		83-109		
Toluene	N.D.	0.8	ug/l	94		83-111		
Xylene (total)	N.D.	0.9	ug/l	100		81-115		
Batch number: M092111AA	Sample number(s): 5731336							
Benzene	N.D.	0.9	ug/l	107	106	80-121	1	30
Toluene	N.D.	0.8	ug/l	93	97	83-111	4	30
Batch number: 09208WAH625	Sample number(s): 5731332-5731333,5731337-5731340							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	104		74-118		
Batch number: 092080007A	Sample number(s): 5731322-5731327							
Ethane	N.D.	1.0	ug/l	108		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Methane	N.D.	5.0	ug/l	105		80-120		
Propane	N.D.	1.0	ug/l	108		73-125		
Batch number: 092080022A	Sample number(s): 5731328-5731340							
Ethane	N.D.	1.0	ug/l	102		80-120		
Ethene	N.D.	1.0	ug/l	102		80-120		
Methane	N.D.	5.0	ug/l	102		80-120		
Propane	N.D.	1.0	ug/l	100		73-125		
Batch number: 092051848002	Sample number(s): 5731323,5731332-5731333,5731336-5731340							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09204105101A	Sample number(s): 5731323							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		90-110		
Batch number: 09204105101B	Sample number(s): 5731332-5731333,5731336-5731340							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		90-110		
Batch number: 09207109101A	Sample number(s): 5731332-5731333,5731337-5731340							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	95		90-110		
Batch number: 09209106101B	Sample number(s): 5731332							
Nitrate Nitrogen	N.D.	0.040	mg/l	101		90-110		
Batch number: 09209106102A	Sample number(s): 5731323,5731333,5731336-5731337							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		
Batch number: 09209106102B	Sample number(s): 5731338-5731340							
Nitrate Nitrogen	N.D.	0.040	mg/l	103		90-110		
Batch number: 09209196601B	Sample number(s): 5731323,5731332-5731333,5731336-5731340							

*- 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: 1154725
Reported: 08/03/09 at 02:38 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	N.D.	0.30	mg/l	96		89-110		
Batch number: 09208020602A	Sample number(s): 5731323,5731332-5731333,5731336-5731340							
Total Suspended Solids	N.D.	3.0	mg/l	103	95	74-113	7	28
Batch number: 09209021201A	Sample number(s): 5731323,5731332-5731333,5731337-5731340							
Total Dissolved Solids	N.D.	9.7	mg/l	99		80-120		
Batch number: 09209022101A	Sample number(s): 5731332-5731333,5731337-5731340							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	0	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: M092101AA	Sample number(s): 5731322-5731340 UNSPK: P734209								
Benzene	112	112	83-132	0	30				
Ethylbenzene	104	104	82-124	0	30				
Toluene	102	103	84-123	1	30				
Xylene (total)	108	108	79-130	0	30				
Batch number: M092111AA	Sample number(s): 5731336 UNSPK: P732872								
Benzene	126		83-132						
Toluene	112		84-123						
Batch number: 09208WAH625	Sample number(s): 5731332-5731333,5731337-5731340 UNSPK: P732244								
bis(2-Ethylhexyl)phthalate	113	100	39-165	12	30				
Batch number: 092080007A	Sample number(s): 5731322-5731327 UNSPK: P729165								
Ethane	100	100	68-131	0	20				
Ethene	102	103	46-164	2	20				
Methane	433 (2)	333 (2)	35-157	6	20				
Propane	102	107	36-149	5	20				
Batch number: 092080022A	Sample number(s): 5731328-5731340 UNSPK: 5731328								
Ethane	92	102	68-131	11	20				
Ethene	90	100	46-164	10	20				
Methane	90	98	35-157	9	20				
Propane	92	102	36-149	10	20				
Batch number: 092051848002	Sample number(s): 5731323,5731332-5731333,5731336-5731340 UNSPK: P729165 BKG: P729165								
Lead	95	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09204105101A	Sample number(s): 5731323 UNSPK: P731318 BKG: P731318								
Nitrite Nitrogen	86*		90-110			0.036 J	0.045 J	24* (1)	20
Batch number: 09204105101B	Sample number(s): 5731332-5731333,5731336-5731340 UNSPK: 5731337 BKG: 5731337								
Nitrite Nitrogen	78*		90-110			0.087	0.086	1 (1)	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154725
Reported: 08/03/09 at 02:38 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: 09207109101A	Sample number(s): 5731332-5731333,5731337-5731340 UNSPK: P731222 BKG: P731222								
Total Phosphorus as P (water)	94		90-110			2.0	2.0	2	3
Batch number: 09209106101B	Sample number(s): 5731332 UNSPK: P730471 BKG: P730471								
Nitrate Nitrogen	96		90-110			N.D.	N.D.	0 (1)	2
Batch number: 09209106102A	Sample number(s): 5731323,5731333,5731336-5731337 UNSPK: P731318 BKG: P731318								
Nitrate Nitrogen	99		90-110			0.080 J	0.096 J	18* (1)	2
Batch number: 09209106102B	Sample number(s): 5731338-5731340 UNSPK: 5731338 BKG: 5731338								
Nitrate Nitrogen	89*		90-110			N.D.	N.D.	0 (1)	2
Batch number: 09209196601B	Sample number(s): 5731323,5731332-5731333,5731336-5731340 UNSPK: 5731323 BKG: 5731323								
Sulfate	98		90-110			43.9	43.9	0	20
Batch number: 09208020602A	Sample number(s): 5731323,5731332-5731333,5731336-5731340 BKG: P731999								
Total Suspended Solids						10.8 J	10.0 J	8 (1)	9
Batch number: 09209021201A	Sample number(s): 5731323,5731332-5731333,5731337-5731340 UNSPK: P731658 BKG: P731658								
Total Dissolved Solids	102	95	54-143	3	12	36,000	33,500	7	9
Batch number: 09209022101A	Sample number(s): 5731332-5731333,5731337-5731340 BKG: P731386								
Ammonia Nitrogen						20.6	20.4	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: BTEX by 624
Batch number: M092101AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5731322	100	94	94
5731323	96	90	95
5731324	98	90	94
5731325	94	88	100
5731326	96	92	90
5731327	93	92	97
5731328	96	93	90
5731329	91	93	97
5731330	98	92	94
5731331	94	93	94
5731332	92	92	91
5731333	93	91	88
5731334	94	92	99
5731335	94	90	110

*- 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: 1154725
Reported: 08/03/09 at 02:38 PM

Surrogate Quality Control

5731337	95	90	119*
5731338	97	92	112
5731339	93	92	112
5731340	95	93	126*
Blank	99	91	112
LCS	102	98	101
MS	103	97	101
MSD	105	97	105
Limits:	76-114	80-120	86-115

Analysis Name: BTEX by 624
Batch number: M092111AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5731336	92	93	115
Blank	94	92	86
LCS	103	98	100
LCSD	102	99	97
MS	102	96	102
Limits:	76-114	80-120	86-115

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09208WAH625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5731332	96	98	86
5731333	106	98	89
5731337	66	65	64
5731338	46*	59*	73
5731339	79	86	80
5731340	66	49*	70
Blank	95	97	89
LCS	107	97	91
MS	106	103	92
MSD	96	96	85
Limits:	56-120	62-121	44-134

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 092080007A

	Propene
5731322	94
5731323	76
5731324	89
5731325	79
5731326	80
5731327	90
Blank	105
LCS	106
MS	84
MSD	89
Limits:	42-131

Analysis Name: Volatile Headspace Hydrocarbon

*- 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: 1154725
Reported: 08/03/09 at 02:38 PM

Surrogate Quality Control

Batch number: 092080022A

	Propene
5731328	92
5731329	91
5731330	81
5731331	70
5731332	80
5731333	83
5731334	86
5731335	81
5731336	75
5731337	82
5731338	46
5731339	79
5731340	99
Blank	106
LCS	100
MS	89
MSD	99
Limits:	42-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1154725 Sample # 5731322-40

COC # 216394

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

For Lab Use Only
FSC:
SCR#:

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

(1)
Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbon	Total Pas P/NH3	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Dissolved	HPC	Remarks
									H	O	H	S	O	S	O	N	O	
TB-03	7-21-09	—				X		2	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	temp 2.7-6.3°C
mw-27	7-23-09	1100	X			X		10	3		2		1	1	1	1	1	
mw-25(R)	7-22-09	0944	X			X		5	3		2							
mw-30i	7-22-09	1134	X			X			X		X							per Jennifer O.
mw-19-4	7-22-09	0916	X			X			X		X							[illegible] 7/27/09
mw-19	7-22-09	1036	X			X			X		X							
ATM-01	7-22-09	0950	X			X			X		X							
Dup-02	7-22-09	—	X			X		5	3		2							
mw-19-5	7-22-09	1455	X			X		5	3		2							
mw-28i	7-22-09	1639	X			X		5	3		2							

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5415 Fax #: 616-975-1098
E-mail address: jennifer.overvoorde@hotmail.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]	7/23/09	1335	R. Kindig	7-23-09	1335
R. Kindig	7-23-09	1645			
			[signature]	7/23/09	1645

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1154725 Sample # 5731322-40

COC # 216392

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

For Lab Use Only
FSC:
SCR#:

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

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	BTEX (EPA 602) H	Base Neutrals O	Volatile Headspace Hydrocarbon H	Total Pasp/NH3 S	TDS/TSS/Sulfate O	Nitrate Nitrogen S	Nitrite Nitrogen O	Diss lead N	HPC O	Remarks
RB-01	7-23-09	0830	X			X		15	3	2	2	2	2	1	1	1	1	Diss lead is field
RB-02	7-23-09	0845	X			X		15	3	2	2	2	2	1	1	1	1	filtered except
MW-28S	7-22-09	1605	X			X		5	3		2							RB-01, 02 (not filtered) are
MW-30S	7-22-09	1457	X			X		5	3		2							total
MW-34S	7-23-09	0725	X			X		8	3		1		1	1	1	1		
MW-35S	7-23-09	0745	X			X		15	3	2	2	2	2	1	1	1	1	temp 2.7-6.3°C
MW-33S	7-23-09	0945	X			X		15	3	2	2	2	2	1	1	1	1	Partial bottle set
MW-32S	7-23-09	0835	X			X		13	3	1	2	2	1	1	1	1	1	for MW-32 and 34 due
MW-31S	7-23-09	0900	X			X		15	3	2	2	2	2	1	1	1	1	to lack of water.

(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 Pawlak	7/23/09	1335	R. Kindy	7-23-09	1335
R. Kindy	7-23-09	1645			
			[signature]	7/23/09	1645

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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: 7/23/09

Time of Receipt: 1645

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 03/06	6.3°C	TB ST	WI	Y	B	7.9°C - 13.0°C
2	0429983	2.7°C	TB	WI	Y	B	
3	↓	3.1°C	↓	↓	↓	↓	
4	↓	5.9°C	↓	↓	↓	↓	
5	↓	3.9°C	↓	↓	↓	↓	
6			\				

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

Paperwork Discrepancy/Unpacking Problems:

Samples received high temp collected today
MW-27 = MW-27s, 1 bottle of MW-32s time looks like 836
and 1 bottle of MW-32s time listed as date, 56 Vol for RB-01
time = 845

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	7/23/09	1745	Unpacking to Storage
[illegible]	7/23/09	1831	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log
(continuation page)

Client/Project: RMT
Date of Receipt: 7/23/04
Unpacker Emp. No.: 2308

Additional Paperwork Discrepancy/Unpacking Problems:
Received 5 vials for samples MW-30, 19-4, 19, and ATM-01

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.

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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

August 07, 2009

SAMPLE GROUP

The sample group for this submittal is 1154588. Samples arrived at the laboratory on Thursday, July 23, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-34s Grab Water	5730470
MW-30s Grab Water	5730471
MW-28s Grab Water	5730472
MW-28i Grab Water	5730473
MW-19-5 Grab Water	5730474

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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

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

Respectfully Submitted,

Diane L. Lockard
Group Leader

Analysis Report

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Lancaster Laboratories Sample No. WW 5730470

Group No. 1154588
NJ

MW-34s Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 17:01 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-34S SDG#: LEC78-01

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	9	1	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	N.D.	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	150	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/30/2009 21:36	William T Parker	1
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
00227	Total Phosphorus as P (water)	EPA 365.1	2	09205109101B	08/04/2009 19:10	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101B	07/24/2009 10:40	Nancy J Shoop	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAH	07/26/2009 10:07	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5730471

Group No. 1154588
NJ

MW-30s Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 14:57 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-30S SDG#: LEC78-02

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	550	10	10
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	0.049 J	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.21	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	461	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	38.8	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	1.6	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	720	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009 10:31	William T Parker	10
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009 06:30	Roman Kuropatkin	1
07055	Lead	SW-846 6010B	1	092051848004	07/27/2009 08:27	Joanne M Gates	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5730471

Group No. 1154588
NJ

MW-30s Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 14:57 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-30S SDG#: LEC78-02

Laboratory Sample Analysis Record

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	092051848004	07/26/2009 22:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602A	07/24/2009 23:23	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101B	07/28/2009 17:04	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101A	07/23/2009 20:34	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101B	07/29/2009 20:08	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101B	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09208021201A	07/27/2009 09:27	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601B	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAH	07/26/2009 10:07	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5730472

Group No. 1154588
NJ

MW-28s Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 16:05 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-28S SDG#: LEC78-03

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	180	9	10
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	0.070	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.26	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	679	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	28.8	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.36 J	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	2	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

Lancaster Laboratories Sample No. WW 5730472

Group No. 1154588
NJ

MW-28s Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 16:05 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-28S SDG#: LEC78-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009	11:14	William T Parker	10
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009	06:30	Roman Kuropatkin	1
07055	Lead	SW-846 6010B	1	092051848004	07/27/2009	08:29	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848004	07/26/2009	22:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602A	07/24/2009	23:39	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101B	07/28/2009	17:08	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101A	07/23/2009	20:35	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101B	07/29/2009	20:10	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101B	07/24/2009	10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09208021201A	07/27/2009	09:27	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601B	07/23/2009	18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAH	07/26/2009	10:07	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5730473

Group No. 1154588
NJ

MW-28i Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 16:39 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-28I SDG#: LEC78-04

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	19	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	2.6 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	0.055	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.21	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	542	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	20.0	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
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.

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5730473

Group No. 1154588
NJ

MW-28i Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 16:39 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M-28I SDG#: LEC78-04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/30/2009	23:48	William T Parker	1
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009	06:30	Roman Kuropatkin	1
07055	Lead	SW-846 6010B	1	092051848004	07/27/2009	08:32	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848004	07/26/2009	22:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602A	07/24/2009	23:55	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101B	07/28/2009	17:09	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101A	07/23/2009	20:36	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101B	07/29/2009	20:11	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101B	07/24/2009	10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09208021201A	07/27/2009	09:27	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601B	07/23/2009	18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAH	07/26/2009	10:07	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5730474

Group No. 1154588
NJ

MW-19-5 Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 14:55 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M19-5 SDG#: LEC78-05*

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	N.D.	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	6.7	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	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.	399	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	3.2 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.	25	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5730474

Group No. 1154588
NJ

MW-19-5 Grab Water
L.E. Carpenter, NJ

Collected: 07/22/2009 14:55 by SM

Account Number: 09322

Submitted: 07/23/2009 08:45
Reported: 08/07/2009 at 09:50
Discard: 09/07/2009

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

M19-5 SDG#: LEC78-05*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09208WAH625	07/31/2009	00:30	William T Parker	1
08108	625 Water Extraction	EPA 625	1	09208WAH625	07/28/2009	06:30	Roman Kuropatkin	1
07055	Lead	SW-846 6010B	1	092051848004	07/27/2009	08:34	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848004	07/26/2009	22:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602A	07/25/2009	00:42	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101B	07/28/2009	17:11	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09204105101A	07/23/2009	20:38	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101B	07/29/2009	20:12	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101B	07/24/2009	10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09208021201A	07/27/2009	09:27	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601B	07/23/2009	18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072309KAH	07/26/2009	10:07	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154588
Reported: 08/07/09 at 09:50 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: 09208WAH625	Sample number(s): 5730470-5730474							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	104		74-118		
Batch number: 092051848004	Sample number(s): 5730471-5730474							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09204105101A	Sample number(s): 5730471-5730474							
Nitrite Nitrogen	N.D.	0.015	mg/l	102		90-110		
Batch number: 09205109101B	Sample number(s): 5730470-5730474							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	94		90-110		
Batch number: 09205196602A	Sample number(s): 5730471-5730474							
Sulfate	N.D.	0.30	mg/l	96		89-110		
Batch number: 09209106101B	Sample number(s): 5730471-5730474							
Nitrate Nitrogen	N.D.	0.040	mg/l	101		90-110		
Batch number: 09204020601B	Sample number(s): 5730471-5730474							
Total Suspended Solids	N.D.	3.0	mg/l	96		74-113		
Batch number: 09205022101A	Sample number(s): 5730470-5730474							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1
Batch number: 09208021201A	Sample number(s): 5730471-5730474							
Total Dissolved Solids	N.D.	9.7	mg/l	101		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09208WAH625	Sample number(s): 5730470-5730474 UNSPK: P732244								
bis(2-Ethylhexyl)phthalate	113	100	39-165	12	30				
Batch number: 092051848004	Sample number(s): 5730471-5730474 UNSPK: P729156 BKG: P729156								
Lead	98	98	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: 09204105101A	Sample number(s): 5730471-5730474 UNSPK: P731318 BKG: P731318								
Nitrite Nitrogen	86*		90-110			0.036 J	0.045 J	24* (1)	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154588
Reported: 08/07/09 at 09:50 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: 09205109101B	Sample number(s): 5730470-5730474 UNSPK: P730958 BKG: P730958								
Total Phosphorus as P (water)	102		90-110			0.93	0.93	0	3
Batch number: 09205196602A	Sample number(s): 5730471-5730474 UNSPK: P729072 BKG: P729072								
Sulfate	107	107	90-110	0	20	114	116	1 (1)	20
Batch number: 09209106101B	Sample number(s): 5730471-5730474 UNSPK: 5730471 BKG: 5730471								
Nitrate Nitrogen	96		90-110			N.D.	N.D.	0 (1)	2
Batch number: 09204020601B	Sample number(s): 5730471-5730474 BKG: P730962								
Total Suspended Solids						2,820	2,680	5	9
Batch number: 09205022101A	Sample number(s): 5730470-5730474 BKG: P730403								
Ammonia Nitrogen						35.6	34.7	2	2
Batch number: 09208021201A	Sample number(s): 5730471-5730474 UNSPK: P732244 BKG: P732244								
Total Dissolved Solids	94	100	54-143	3	12	1,180	1,210	2 (1)	9

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: 09208WAH625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5730470	94	98	81
5730471	99	85	79
5730472	89	94	82
5730473	102	95	90
5730474	95	96	91
Blank	95	97	89
LCS	107	97	91
MS	106	103	92
MSD	96	96	85
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# 1154588 Sample # 5730470-74

COC # 216388

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: Jennifer 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	Other	Total # of Containers	Base Neutrals (O)	Total Pas P/NH3 (S)	TDS, TSS/Sulfate (O)	Nitrate Nitrogen (S)	Nitrite Nitrogen (O)	Diss lead (N)	HPC (O)			Remarks
MW-34S	7-22-09	1701	X			X		3	1	1*					1			Diss lead is field
MW-30S	7-22-09	1457	X			X		10	2	2	2	1	1	1	1			filtered.
MW-28S	7-22-09	1605	X			X		10	2	2	2	1	1	1	1			*didn't receive a
MW-28i	7-22-09	1639	X			X		10	2	2	2	1	1	1	1			NH3 bottle MA 1886 7/24/09
MW-19-5	7-22-09	1455	X			X		10	2	2	2	1	1	1	1			*can share phos. bottle MA 1886 7/24/09

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: jennifer.overvoorde@rmtinc.com
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
Scot Middlebrook	6-22-09	1800	Fed Ex	7-22-09	1800
			[signature]	7/23/09	845

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: 7/23/09

Time of Receipt: 845

Source Code: 501

Unpacker Emp. No.: 2316

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	0429883	1.3°C	TB	WI	Y	B	
2	↓	3.3°C	↓	↓	↓	↓	
3	↓	2.9°C	↓	↓	↓	↓	
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	7/23/09	945	Unpacking
Annelie H. Owen	7/23/09	1015	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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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

August 04, 2009

SAMPLE GROUP

The sample group for this submittal is 1154544. Samples arrived at the laboratory on Wednesday, July 22, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-27s Grab Water	5730184
MW-25(R) Grab Water	5730185
MW-30i Grab Water	5730186
MW-19-4 Grab Water	5730187
MW-19 Grab Water	5730188
ATM-01 Grab Water	5730189
DUP-02 Grab Water	5730190

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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

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

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

Respectfully Submitted,

Diane L. Lockard
Group Leader

Analysis Report

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Lancaster Laboratories Sample No. WW 5730184

Group No. 1154544
NJ

MW-27s Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 07:41 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW27S SDG#: LEC77-01

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	N.D.	1	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	53.4	1.5	5
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.	482	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	684	15.0	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.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 17:40	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009 12:08	Ashley M Adams	5
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009 19:54	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009 10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009 18:30	Luz M Groff	1

Lancaster Laboratories
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Analysis Report

Lancaster Laboratories Sample No. WW 5730185

Group No. 1154544
NJ

MW-25(R) Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:44 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW25R SDG#: LEC77-02

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	N.D.	0.9	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	8.5	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.	412	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	32.4	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.	2,100	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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 5730185

Group No. 1154544
NJ

MW-25(R) Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:44 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW25R SDG#: LEC77-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 18:25	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:23	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009 12:24	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 16:54	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:49	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009 19:56	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009 10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009 11:00	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5730186

Group No. 1154544
NJ

MW-30i Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 11:34 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW30I SDG#: LEC77-03

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	2	J	0.9	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	4.3	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	0.26		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	431		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	1.3		0.40	2
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	5		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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

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Lancaster Laboratories Sample No. WW 5730186

Group No. 1154544
NJ

MW-30i Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 11:34 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW30I SDG#: LEC77-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 19:09	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:27	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009 12:40	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 16:56	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:50	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009 19:57	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009 10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	3	09212022101A	07/31/2009 19:30	Luz M Groff	2
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009 11:00	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5730187

Group No. 1154544
NJ

MW-19-4 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:16 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW194 SDG#: LEC77-04

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	N.D.	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	38.2	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.6	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.	880	38.8	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.	160	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 19:53	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5730187

Group No. 1154544
NJ

MW-19-4 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:16 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW194 SDG#: LEC77-04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	20:30	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009	12:56	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009	16:59	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009	22:54	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009	19:58	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009	10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009	10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009	18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009	11:00	Keith A Hoover	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5730188

Group No. 1154544
NJ

MW-19 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 10:36 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW19- SDG#: LEC77-05

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	1 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	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	0.020 J	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.	353	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	11.2 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.	25	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

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Lancaster Laboratories Sample No. WW 5730188

Group No. 1154544
NJ

MW-19 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 10:36 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

MW19- SDG#: LEC77-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 20:37	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:34	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009 13:44	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 17:01	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:55	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009 19:59	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009 10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009 18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009 11:00	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5730189

Group No. 1154544
NJ

ATM-01 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:50 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

ATM01 SDG#: LEC77-06AB

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	N.D.	0.9	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.

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 21:22	Brian K Graham	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5730189

Group No. 1154544
NJ

ATM-01 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 09:50 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

ATM01 SDG#: LEC77-06AB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009	14:45	Timothy J Attenberger	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	20:38	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009	14:00	Ashley M Adams	1
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009	17:02	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009	22:56	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009	20:03	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009	10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009	10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009	18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09205022101A	07/24/2009	18:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009	11:00	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5730190

Group No. 1154544
NJ

DUP-02 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

DUP02 SDG#: LEC77-07FD*

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	0.9	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	4.2	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	0.036	J	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.25		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	444		9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**		**mg/l**	
00206	Total Suspended Solids	n.a.	24.8		3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**		**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	0.72		0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	6		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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5730190

Group No. 1154544
NJ

DUP-02 Grab Water
216393
L.E. Carpenter, NJ

Collected: 07/22/2009 by SM

Account Number: 09322

Submitted: 07/22/2009 15:50
Reported: 08/04/2009 at 15:12
Discard: 09/04/2009

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

DUP02 SDG#: LEC77-07FD*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 22:06	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:42	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196603B	07/25/2009 14:15	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 17:03	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:57	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09205109101A	07/29/2009 20:04	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09205109101A	07/24/2009 10:40	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09205021201A	07/24/2009 10:11	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09204020601A	07/23/2009 18:40	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	3	09212022101A	07/31/2009 19:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209KAH	07/25/2009 11:00	Keith A Hoover	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154544
Reported: 08/04/09 at 03:12 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: 09204WAD625	Sample number(s): 5730184-5730190							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	99	100	74-118	2	30
Batch number: 092051848002	Sample number(s): 5730185-5730190							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09203105101A	Sample number(s): 5730185-5730190							
Nitrite Nitrogen	N.D.	0.015	mg/l	94		90-110		
Batch number: 09205109101A	Sample number(s): 5730184-5730190							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	94		90-110		
Batch number: 09205196603B	Sample number(s): 5730184-5730190							
Sulfate	N.D.	0.30	mg/l	99		89-110		
Batch number: 09209106101A	Sample number(s): 5730185-5730190							
Nitrate Nitrogen	N.D.	0.040	mg/l	101		90-110		
Batch number: 09204020601A	Sample number(s): 5730184-5730190							
Total Suspended Solids	N.D.	3.0	mg/l	96		74-113		
Batch number: 09205021201A	Sample number(s): 5730184-5730190							
Total Dissolved Solids	N.D.	9.7	mg/l	96		80-120		
Batch number: 09205022101A	Sample number(s): 5730184-5730185,5730187-5730189							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1
Batch number: 09212022101A	Sample number(s): 5730186,5730190							
Ammonia Nitrogen	N.D.	0.20	mg/l	95	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: 092051848002	Sample number(s): 5730185-5730190 UNSPK: P729165 BKG: P729165								
Lead	95	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09203105101A	Sample number(s): 5730185-5730190 UNSPK: P729165 BKG: P729165								
Nitrite Nitrogen	101		90-110			N.D.	N.D.	0 (1)	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154544
Reported: 08/04/09 at 03:12 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: 09205109101A	Sample number(s): 5730184-5730190 UNSPK: P730091 BKG: P730091								
Total Phosphorus as P (water)	107		90-110			0.19	0.24	23* (1)	3
Batch number: 09205196603B	Sample number(s): 5730184-5730190 UNSPK: P730231 BKG: P730231								
Sulfate	89*		90-110			2,780	2,730	2	20
Batch number: 09209106101A	Sample number(s): 5730185-5730190 UNSPK: P729165 BKG: P729165								
Nitrate Nitrogen	97		90-110			0.33	0.34	3* (1)	2
Batch number: 09204020601A	Sample number(s): 5730184-5730190 BKG: P730096								
Total Suspended Solids						270	280	4 (1)	9
Batch number: 09205021201A	Sample number(s): 5730184-5730190 UNSPK: 5730187 BKG: 5730187								
Total Dissolved Solids	98	99	54-143	1	12	880	860	2	9
Batch number: 09205022101A	Sample number(s): 5730184-5730185,5730187-5730189 BKG: P730403								
Ammonia Nitrogen						35.6	34.7	2	2
Batch number: 09212022101A	Sample number(s): 5730186,5730190 BKG: P736850								
Ammonia Nitrogen						7.2	7.1	2	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: 09204WAD625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5730184	107	102	76
5730185	106	109	74
5730186	102	108	75
5730187	101	101	73
5730188	96	97	73
5730189	99	96	79
5730190	105	102	81
Blank	109	106	84
LCS	112	104	78
LCSD	114	107	83
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# 1154544 Sample # 5730184-90

COC # 216393

temp 5.1-6.7°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: Jennifer Overwoorde 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	Composite	Soil	Water	Other	Total # of Containers	BTEX (EPA 602) H	Base Neutrals O	Volatile Headspace (Hydrocarbon) H	Total Pos P/NH3 S	TDS, TSS, Sulfate O	Nitrate Nitrogen S	Nitrite Nitrogen O	Diss lead N	HPC O	Remarks
MW-27s	7-22-09	741	X			X		5		2		2	1					Diss lead is
MW-25(R)	7-22-09	0944	X			X		10		2		2	2	1	1	1	1	field filtered
MW-30i	7-22-09	1134	X			X		10		2		2	2	1	1	1	1	
MW-19-4	7-22-09	0916	X			X		10		2		2	2	1	1	1	1	
MW-19	7-22-09	1036	X			X		10		2		2	2	1	1	1	1	ATM-01 is total Pb
ATM-01	7-22-09	0950	X			X		10		2		2	2	1	1	1	1	not field filtered
Dup-02	7-22-09	—	X			X		10		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 #: 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]	7-22-09	1255	R. Kindig	7-22-09	1255
R. Kindig	7-22-09	1550			
			[signature]	7/22/09	1550

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: 7/22/09

Time of Receipt: 1550

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 03/06	6.7°C	TB ST	WI	Y	B	11.0°C - 11.8°C
2	0429983	5.9°C	TB	WI	Y	B	
3	↓	5.3°C	↓	↓	↓	↓	
4	↓	5.1°C	↓	↓	↓	↓	
5			\				
6			\				

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

Paperwork Discrepancy/Unpacking Problems:

MW-27 = MW-27S

80 vial for MW-25(R) = MW-25

collected same day

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	7/22/09	1722	Unpacking to storage
[illegible]	7/22/09	1751	Place in Storage or (Entry)
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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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

July 30, 2009

SAMPLE GROUP

The sample group for this submittal is 1154376. Samples arrived at the laboratory on Tuesday, July 21, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
DUP-01 Grab Water	5728896
DRC-02 Grab Water	5728897
SW-D-5 Grab Water	5728898
SW-R-1 Grab Water	5728899
SW-R-2 Grab Water	5728900
SW-R-3 Grab Water	5728901
SW-D-4 Grab Water	5728902
SW-R-4 Grab Water	5728903
SW-R-6 Grab Water	5728904
SW-R-5 Grab Water	5728905
MW-29s Grab Water	5728906
MW-19-12 Grab Water	5728907
TB-01 Water	5728908

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

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COPY TO
1 COPY TO Data Package Group

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

Respectfully Submitted,

Diane L. Lockard
Group Leader

Analysis Report

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

Lancaster Laboratories Sample No. WW 5728896

Group No. 1154376
NJ

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

Collected: 07/20/2009 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

DUP01 SDG#: LEC75-01FD

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

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 17:45	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 14:58	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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

Lancaster Laboratories Sample No. WW 5728897

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:05 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

DRC02 SDG#: LEC75-02

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	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 18:35	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 15:42	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728898

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:10 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWD-5 SDG#: LEC75-03

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 19:00	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 16:27	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5728899

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:25 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-1 SDG#: LEC75-04

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.	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 19:25	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 17:11	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728900

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:33 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-2 SDG#: LEC75-05

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.	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 19:50	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 17:55	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728901

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:45 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-3 SDG#: LEC75-06

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 20:15	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/25/2009 18:40	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728902

Group No. 1154376
NJ

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

Collected: 07/20/2009 12:55 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWD-4 SDG#: LEC75-07

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	2	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 20:40	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009 11:48	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728903

Group No. 1154376
NJ

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

Collected: 07/20/2009 13:10 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-4 SDG#: LEC75-08

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 21:05	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009 12:32	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728904

Group No. 1154376
NJ

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

Collected: 07/20/2009 13:30 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-6 SDG#: LEC75-09

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	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 21:29	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009 13:16	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5728905

Group No. 1154376
NJ

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

Collected: 07/20/2009 13:45 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

SWR-5 SDG#: LEC75-10

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.	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 21:54	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009 14:01	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5728906

Group No. 1154376
NJ

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

Collected: 07/21/2009 10:38 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

MW29S SDG#: LEC75-11

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.	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	4,800	500	100
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	3.3 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	0.019 J	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.	542	19.4	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	47.2	3.0	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	7.5	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	21	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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5728906

Group No. 1154376
NJ

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

Collected: 07/21/2009 10:38 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

MW29S SDG#: LEC75-11

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 22:19	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009 14:45	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009 02:30	Tracy L Schickel	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 16:05	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 21:23	Dustin A Underkoffler	100
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 19:57	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602B	07/25/2009 01:46	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09208106101B	07/27/2009 19:42	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09202105101B	07/21/2009 22:29	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101A	07/24/2009 13:14	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101A	07/23/2009 17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009 09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009 18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009 18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072109KAH	07/24/2009 14:28	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5728907

Group No. 1154376
NJ

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

Collected: 07/21/2009 10:35 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

M1912 SDG#: LEC75-12

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	N.D.	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	13.3	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.90	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.	261	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	6.2	0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**	**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	18	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5728907

Group No. 1154376
NJ

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

Collected: 07/21/2009 10:35 by SM

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

M1912 SDG#: LEC75-12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAF625	07/28/2009	15:29	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAF625	07/23/2009	02:30	Tracy L Schickel	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	20:01	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196602B	07/25/2009	02:02	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09208106101B	07/27/2009	19:45	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09202105101B	07/21/2009	22:30	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101A	07/24/2009	13:15	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101A	07/23/2009	17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009	09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009	18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009	18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072109KAH	07/24/2009	14:28	Keith A Hoover	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5728908

Group No. 1154376
NJ

TB-01 Water
L.E. Carpenter, NJ

Collected: 07/20/2009

Account Number: 09322

Submitted: 07/21/2009 18:15
Reported: 07/30/2009 at 11:37
Discard: 08/30/2009

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

TB01- SDG#: LEC75-13TB*

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092082AA	07/27/2009 22:44	Sara E Wolf	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 16:19	Dustin A Underkoffler	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154376
Reported: 07/30/09 at 11:37 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: M092082AA	Sample number(s): 5728896-5728906,5728908							
Benzene	N.D.	0.9	ug/l	102	101	80-121	1	30
Ethylbenzene	N.D.	0.8	ug/l	105	105	83-109	1	30
Toluene	N.D.	0.8	ug/l	105	108	83-111	2	30
Xylene (total)	N.D.	0.9	ug/l	110	110	81-115	0	30
Batch number: 09203WAF625	Sample number(s): 5728896-5728907							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	112	109	74-118	3	30
Batch number: 092080007A	Sample number(s): 5728906,5728908							
Ethane	N.D.	1.0	ug/l	108		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Methane	N.D.	5.0	ug/l	105		80-120		
Propane	N.D.	1.0	ug/l	108		73-125		
Batch number: 092051848002	Sample number(s): 5728906-5728907							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09202105101B	Sample number(s): 5728906-5728907							
Nitrite Nitrogen	N.D.	0.015	mg/l	96		90-110		
Batch number: 09204109101A	Sample number(s): 5728906-5728907							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	102		90-110		
Batch number: 09205196602B	Sample number(s): 5728906-5728907							
Sulfate	N.D.	0.30	mg/l	96		89-110		
Batch number: 09208106101B	Sample number(s): 5728906-5728907							
Nitrate Nitrogen	N.D.	0.040	mg/l	97		90-110		
Batch number: 09203020601B	Sample number(s): 5728906-5728907							
Total Suspended Solids	N.D.	3.0	mg/l	95		74-113		
Batch number: 09203022101A	Sample number(s): 5728906-5728907							
Ammonia Nitrogen	N.D.	0.20	mg/l	96		91-100		
Batch number: 09204021201A	Sample number(s): 5728906-5728907							
Total Dissolved Solids	N.D.	9.7	mg/l	98		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

*- 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: 1154376
Reported: 07/30/09 at 11:37 AM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: M092082AA	Sample number(s): 5728896-5728906,5728908 UNSPK: 5728896								
Benzene	113		83-132						
Ethylbenzene	111		82-124						
Toluene	113		84-123						
Xylene (total)	116		79-130						
Batch number: 092080007A	Sample number(s): 5728906,5728908 UNSPK: P729165								
Ethane	100	100	68-131	0	20				
Ethene	102	103	46-164	2	20				
Methane	433 (2)	333 (2)	35-157	6	20				
Propane	102	107	36-149	5	20				
Batch number: 092051848002	Sample number(s): 5728906-5728907 UNSPK: P729165 BKG: P729165								
Lead	95	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09202105101B	Sample number(s): 5728906-5728907 UNSPK: P728792 BKG: P728792								
Nitrite Nitrogen	52*		90-110			0.11	0.12	6 (1)	20
Batch number: 09204109101A	Sample number(s): 5728906-5728907 UNSPK: P728458 BKG: P728458								
Total Phosphorus as P (water)	98		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09205196602B	Sample number(s): 5728906-5728907 UNSPK: P728792 BKG: P728792								
Sulfate	92	94	90-110	2	20	328	333	1 (1)	20
Batch number: 09208106101B	Sample number(s): 5728906-5728907 UNSPK: 5728906 BKG: 5728906								
Nitrate Nitrogen	91		90-110			N.D.	N.D.	0 (1)	2
Batch number: 09203020601B	Sample number(s): 5728906-5728907 BKG: P729165								
Total Suspended Solids						5.2 J	6.4 J	21* (1)	9
Batch number: 09203022101A	Sample number(s): 5728906-5728907 UNSPK: P729165 BKG: P729165								
Ammonia Nitrogen	94	95	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 09204021201A	Sample number(s): 5728906-5728907 UNSPK: P729165 BKG: P729165								
Total Dissolved Solids	100	95	54-143	2	12	1,250	1,220	3	9

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: BTEX by 624
Batch number: M092082AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5728896	95	93	98
5728897	92	92	95
5728898	96	88	98
5728899	91	94	96
5728900	93	91	96
5728901	91	89	92
5728902	92	91	93
5728903	94	90	92
5728904	92	93	98

*- 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: 1154376
Reported: 07/30/09 at 11:37 AM

Surrogate Quality Control

5728905	93	91	93
5728906	91	92	95
5728908	94	90	93
Blank	96	94	103
LCS	95	96	102
LCSD	101	96	104
MS	96	99	104
Limits:	76-114	80-120	86-115

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09203WAF625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5728896	105	104	92
5728897	104	100	86
5728898	107	102	89
5728899	114	105	94
5728900	114	104	93
5728901	115	105	89
5728902	104	108	94
5728903	104	108	96
5728904	103	102	92
5728905	103	101	92
5728906	107	108	101
5728907	106	106	99
Blank	103	99	96
LCS	112	103	97
LCSD	107	97	95
Limits:	56-120	62-121	44-134

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 092080007A

	Propene
5728906	85
5728908	100
Blank	105
LCS	106
MS	84
MSD	89
Limits:	42-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1154376 Sample # 5728896-908

COC # 216395

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: Jennifer 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbons	Total PGS P/NH3	TDS/TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC	Remarks
									H	O	H	S						
MW-29s	7-21-09	1035	X			X		15	3	2	2	2	2	1	1	1	1	temp 1.7-4.8°C
MW-19-12	7-21-09	1035	X			X		15	3	2	2	2	2	1	1	1	1	
TB-01						X		2										

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 A. Pawlukiewicz	7/21/09	13:30	[signature]	7/21/09	13:30
[signature]	7/21/09	18:15			
			[signature]	7/21/09	1815

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: 7/21/09

Time of Receipt: 1815

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	04209983	1.7°C	TB	WI	Y	B	
2	↓	4.8°C	↓	↓	↓	↓	
3	↓	3.2°C	↓	↓	↓	↓	
4	↓	3.3°C	↓				
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:
Did not receive 5 vials for MW-19-12 (only received nitrate, nitrite vials) - coming thurs.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[illegible]	7/21/09	1850	Unpacking to Storage
Craig Bedard	7/21/09	1918	Place in Storage or Entry
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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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

August 05, 2009

SAMPLE GROUP

The sample group for this submittal is 1154414. Samples arrived at the laboratory on Wednesday, July 22, 2009. The PO# for this group is 6527.35.

Client Description	Lancaster Labs Number
MW-30d Grab Water	5729160
MW-8 Grab Water	5729161
SW-D-3 Grab Water	5729162
SW-D-2 Grab Water	5729163
SW-D-1 Grab Water	5729164
MW-19-7 Unspiked Grab Water	5729165
MW-19-7 Matrix Spike Grab Water	5729166
MW-19-7 Matrix Spike Duplicate Grab Water	5729167
MW-19-7 Duplicate Grab Water	5729168
MW-19-6 Grab Water	5729169
MW-19-12 Grab Water	5729170
TB02 Water	5729171

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO RMT, Inc. Attn: Jen Overvoorde

Lancaster Laboratories

Analysis Report

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REVISED

1 COPY TO Data Package Group

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

Respectfully Submitted,

Adrienne Kuhl

Adrienne Kuhl
Specialist Group Leader

Lancaster Laboratories
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Analysis Report

Lancaster Laboratories Sample No. WW 5729160

Group No. 1154414
NJ

MW-30d Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 14:12 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

MW30D SDG#: LEC76-01

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	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	60	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	14.8	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	N.D.	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	321	9.7	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	6.4 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.	9	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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729160

Group No. 1154414
NJ

MW-30d Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 14:12 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

MW30D SDG#: LEC76-01

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 17:08	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009 07:21	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009 04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 16:33	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:12	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009 13:55	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 16:47	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:41	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101A	07/24/2009 13:16	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101A	07/23/2009 17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009 09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009 18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009 18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209MGH	07/24/2009 15:03	Martha G Helwig	n.a.

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 5729161

Group No. 1154414
NJ

MW-8 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 15:12 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

MW-08 SDG#: LEC76-02

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
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		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	2.5	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	0.028	J	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**		**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	0.13		0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**		**mg/l**	
00212	Total Dissolved Solids	n.a.	407		9.7	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	N.D.		0.20	1
SM20 9215 B	**Microbiology**		**cfu/ml**		**cfu/ml**	
00307	Heterotrophic Plate Count	n.a.	75		1	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5729161

Group No. 1154414
NJ

MW-8 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 15:12 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

MW-08 SDG#: LEC76-02

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009	17:33	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009	08:05	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009	04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	16:48	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	21:37	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	20:16	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009	14:11	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009	16:48	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009	22:42	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101B	07/24/2009	13:19	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101B	07/23/2009	17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009	09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009	18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009	18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209MGH	07/24/2009	15:03	Martha G Helwig	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729162

Group No. 1154414
NJ

SW-D-3 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 17:30 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

SW-D3 SDG#: LEC76-03

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	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 17:58	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009 08:49	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009 04:00	Sherry L Morrow	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5729163

Group No. 1154414
NJ

SW-D-2 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 17:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

SW-D2 SDG#: LEC76-04

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	4	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 18:23	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09204WAD625	07/24/2009 11:02	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09204WAD625	07/23/2009 14:45	Timothy J Attenberger	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5729164

Group No. 1154414
NJ

SW-D-1 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 17:55 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

SW-D1 SDG#: LEC76-05

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	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 19:37	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009 09:33	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009 04:00	Sherry L Morrow	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5729165

Group No. 1154414
NJ

MW-19-7 Unspiked Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06BKG

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	740	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	29.0	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.33	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.	1,250	38.8	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.	250	1	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5729165

Group No. 1154414
NJ

MW-19-7 Unspiked Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06BKG

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009	20:03	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009	05:08	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009	04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	17:16	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	21:51	Dustin A Underkoffler	5
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	19:34	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009	13:06	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009	16:49	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009	22:44	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101B	07/24/2009	13:21	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101B	07/23/2009	17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009	09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009	18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009	18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209MGH	07/24/2009	15:03	Martha G Helwig	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729166

Group No. 1154414
NJ

MW-19-7 Matrix Spike Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06MS

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	23	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	68	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	52	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	59	1.0	1
07105	Ethene	74-85-1	62	1.0	1
07105	Methane	74-82-8	1,000	5.0	1
07105	Propane	74-98-6	62	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	0.142	0.0069	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	83.8	3.0	10
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	0.20	0.015	1
EPA 365.1	**Wet Chemistry**		**mg/l**	**mg/l**	
00227	Total Phosphorus as P (water)	7723-14-0	1.9	0.080	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	2,050	38.8	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	13.1	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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729166

Group No. 1154414
NJ

MW-19-7 Matrix Spike Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06MS

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009	20:28	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009	05:52	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009	04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009	17:30	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009	19:46	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009	15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009	13:39	Ashley M Adams	10
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009	16:51	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009	22:45	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101B	07/24/2009	13:22	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101B	07/23/2009	17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009	09:03	Yolunder Y Bunch	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009	18:20	Luz M Groff	1

Analysis Report

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

Lancaster Laboratories Sample No. WW 5729167

Group No. 1154414
NJ

MW-19-7 Matrix Spike Duplicate Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06MSD

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	23	0.9	1
04601	Ethylbenzene	100-41-4	23	0.8	1
04601	Toluene	108-88-3	23	0.8	1
04601	Xylene (total)	1330-20-7	70	0.9	1
EPA 625	**GC/MS Semivolatiles**		**ug/l**	**ug/l**	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	50	1	1
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	59	1.0	1
07105	Ethene	74-85-1	63	1.0	1
07105	Methane	74-82-8	940	5.0	1
07105	Propane	74-98-6	65	1.0	1
SW-846 6010B	**Metals Dissolved**		**mg/l**	**mg/l**	
07055	Lead	7439-92-1	0.144	0.0069	1
SM20 2540 C	**Wet Chemistry**		**mg/l**	**mg/l**	
00212	Total Dissolved Solids	n.a.	2,010	38.8	1
SM20 4500NH3 B/C modified	**Wet Chemistry**		**mg/l**	**mg/l**	
00221	Ammonia Nitrogen	7664-41-7	13.3	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 20:53	Sara E Wolf	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009 06:36	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009 04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 17:45	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 19:50	John P Hook	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5729167

Group No. 1154414
NJ

MW-19-7 Matrix Spike Duplicate Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06MSD

Laboratory Sample Analysis Record

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	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009 09:03	Yolunder Y Bunch	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009 18:20	Luz M Groff	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5729168

Group No. 1154414
NJ

MW-19-7 Duplicate Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06DUP

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	28.5	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.34	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.	1,220	38.8	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	6.4 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.	290	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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 19:42	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009 13:22	Ashley M Adams	5

Analysis Report

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Lancaster Laboratories Sample No. WW 5729168

Group No. 1154414
NJ

MW-19-7 Duplicate Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 13:45 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-7 SDG#: LEC76-06DUP

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 16:52	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:46	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101B	07/24/2009 13:23	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101B	07/23/2009 17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009 09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009 18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009 18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209MGH	07/24/2009 15:03	Martha G Helwig	n.a.

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Analysis Report

Lancaster Laboratories Sample No. WW 5729169

Group No. 1154414
NJ

MW-19-6 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 15:10 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-6 SDG#: LEC76-07

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
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	230	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	36.1	1.5	5
EPA 353.2	**Wet Chemistry**		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.5	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.	938	38.8	1
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	
00206	Total Suspended Solids	n.a.	4.0 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.	6	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.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729169

Group No. 1154414
NJ

MW-19-6 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 15:10 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

M19-6 SDG#: LEC76-07

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092102AA	07/30/2009 05:02	Kathrine K Muramatsu	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09203WAH625	07/24/2009 10:17	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09203WAH625	07/23/2009 04:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 17:59	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	092051848002	07/24/2009 20:19	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092051848002	07/24/2009 15:15	Mirit S Shenouda	1
00228	Sulfate	EPA 300.0	1	09205196101A	07/24/2009 14:28	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09209106101A	07/28/2009 16:53	Venia B McFadden	1
00219	Nitrite Nitrogen	EPA 353.2	1	09203105101A	07/22/2009 22:47	James S Mathiot	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09204109101B	07/24/2009 13:24	William L Hamaker Jr	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09204109101B	07/23/2009 17:15	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09204021201A	07/23/2009 09:03	Yolunder Y Bunch	1
00206	Total Suspended Solids	SM20 2540 D	1	09203020601B	07/22/2009 18:17	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09203022101A	07/22/2009 18:20	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	072209MGH	07/24/2009 15:03	Martha G Helwig	n.a.

Analysis Report

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Lancaster Laboratories Sample No. WW 5729170

Group No. 1154414
NJ

MW-19-12 Grab Water
216397
L.E. Carpenter, NJ

Collected: 07/21/2009 10:35 by SM

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

19-12 SDG#: LEC76-08

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
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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 18:47	Sara E Wolf	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 18:13	Dustin A Underkoffler	1

Analysis Report

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Lancaster Laboratories Sample No. WW 5729171

Group No. 1154414
NJ

TB02 Water
216397
L.E. Carpenter, NJ

Collected: 07/19/2009

Account Number: 09322

Submitted: 07/22/2009 10:06
Reported: 08/05/2009 at 11:24
Discard: 09/05/2009

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

TB02- SDG#: LEC76-09TB*

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 Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04601	BTEX by 624	EPA 624	1	M092092AA	07/28/2009 19:12	Sara E Wolf	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	092080007A	07/27/2009 18:27	Dustin A Underkoffler	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154414
Reported: 08/05/09 at 11:24 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: M092092AA	Sample number(s): 5729160-5729167,5729170-5729171							
Benzene	N.D.	0.9	ug/l	105		80-121		
Ethylbenzene	N.D.	0.8	ug/l	100		83-109		
Toluene	N.D.	0.8	ug/l	103		83-111		
Xylene (total)	N.D.	0.9	ug/l	105		81-115		
Batch number: M092102AA	Sample number(s): 5729169							
Benzene	N.D.	0.9	ug/l	101		80-121		
Ethylbenzene	N.D.	0.8	ug/l	97		83-109		
Toluene	N.D.	0.8	ug/l	93		83-111		
Xylene (total)	N.D.	0.9	ug/l	104		81-115		
Batch number: 09203WAH625	Sample number(s): 5729160-5729162,5729164-5729167,5729169							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	95		74-118		
Batch number: 09204WAD625	Sample number(s): 5729163							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	99	100	74-118	2	30
Batch number: 092080007A	Sample number(s): 5729160-5729161,5729165-5729167,5729169-5729171							
Ethane	N.D.	1.0	ug/l	108		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Methane	N.D.	5.0	ug/l	105		80-120		
Propane	N.D.	1.0	ug/l	108		73-125		
Batch number: 092051848002	Sample number(s): 5729160-5729161,5729165-5729169							
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09203105101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169							
Nitrite Nitrogen	N.D.	0.015	mg/l	94		90-110		
Batch number: 09204109101A	Sample number(s): 5729160							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	102		90-110		
Batch number: 09204109101B	Sample number(s): 5729161,5729165-5729166,5729168-5729169							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	102		90-110		
Batch number: 09205196101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169							
Sulfate	N.D.	0.30	mg/l	107		89-110		
Batch number: 09209106101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169							
Nitrate Nitrogen	N.D.	0.040	mg/l	101		90-110		
Batch number: 09203020601B	Sample number(s): 5729160-5729161,5729165,5729168-5729169							
Total Suspended Solids	N.D.	3.0	mg/l	95		74-113		
Batch number: 09203022101A	Sample number(s): 5729160-5729161,5729165-5729169							
Ammonia Nitrogen	N.D.	0.20	mg/l	96		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.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154414
Reported: 08/05/09 at 11:24 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 09204021201A	Sample number(s): 5729160-5729161,5729165-5729169							
Total Dissolved Solids	N.D.	9.7	mg/l	98		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: M092092AA	Sample number(s): 5729160-5729167,5729170-5729171 UNSPK: 5729165								
Benzene	117	113	83-132	3	30				
Ethylbenzene	111	115	82-124	3	30				
Toluene	107	113	84-123	6	30				
Xylene (total)	114	117	79-130	2	30				
Batch number: M092102AA	Sample number(s): 5729169 UNSPK: P732244								
Benzene	110	108	83-132	2	30				
Ethylbenzene	104	102	82-124	2	30				
Toluene	106	107	84-123	1	30				
Xylene (total)	109	108	79-130	1	30				
Batch number: 09203WAH625	Sample number(s): 5729160-5729162,5729164-5729167,5729169 UNSPK: 5729165								
bis(2-Ethylhexyl)phthalate	105	99	39-165	5	30				
Batch number: 092080007A	Sample number(s): 5729160-5729161,5729165-5729167,5729169-5729171 UNSPK: 5729165								
Ethane	100	100	68-131	0	20				
Ethene	102	103	46-164	2	20				
Methane	433 (2)	333 (2)	35-157	6	20				
Propane	102	107	36-149	5	20				
Batch number: 092051848002	Sample number(s): 5729160-5729161,5729165-5729169 UNSPK: 5729165 BKG: 5729165								
Lead	95	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 09203105101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169 UNSPK: 5729165 BKG: 5729165								
Nitrite Nitrogen	101		90-110			N.D.	N.D.	0 (1)	20
Batch number: 09204109101A	Sample number(s): 5729160 UNSPK: P728458 BKG: P728458								
Total Phosphorus as P (water)	98		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09204109101B	Sample number(s): 5729161,5729165-5729166,5729168-5729169 UNSPK: 5729165 BKG: 5729165								
Total Phosphorus as P (water)	96		90-110			N.D.	N.D.	0 (1)	3
Batch number: 09205196101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169 UNSPK: 5729165 BKG: 5729165								
Sulfate	110		90-110			29.0	28.5	2	20
Batch number: 09209106101A	Sample number(s): 5729160-5729161,5729165-5729166,5729168-5729169 UNSPK: 5729165 BKG: 5729165								

*- 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: 1154414
Reported: 08/05/09 at 11:24 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
Nitrate Nitrogen	97		90-110			0.33	0.34	3* (1)	2
Batch number: 09203020601B	Sample number(s): 5729160-5729161,5729165,5729168-5729169 BKG: 5729165								
Total Suspended Solids						5.2 J	6.4 J	21* (1)	9
Batch number: 09203022101A	Sample number(s): 5729160-5729161,5729165-5729169 UNSPK: 5729165 BKG: 5729165								
Ammonia Nitrogen	94	95	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 09204021201A	Sample number(s): 5729160-5729161,5729165-5729169 UNSPK: 5729165 BKG: 5729165								
Total Dissolved Solids	100	95	54-143	2	12	1,250	1,220	3	9

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: BTEX by 624
Batch number: M092092AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5729160	96	94	95
5729161	94	93	99
5729162	94	91	95
5729163	96	93	93
5729164	95	90	90
5729165	92	93	95
5729166	91	99	99
5729167	95	94	101
5729170	96	93	91
5729171	94	93	94
Blank	95	95	99
LCS	95	97	102
MS	91	99	99
MSD	95	94	101
Limits:	76-114	80-120	86-115

Analysis Name: BTEX by 624
Batch number: M092102AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5729169	95	89	87
Blank	101	92	100
LCS	98	99	101
MS	94	101	102
MSD	94	97	104
Limits:	76-114	80-120	86-115

Analysis Name: bis-(2-ethylhexyl)phthalate

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1154414
Reported: 08/05/09 at 11:24 AM

Surrogate Quality Control

Batch number: 09203WAH625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5729160	103	98	80
5729161	111	103	79
5729162	108	102	83
5729164	107	97	78
5729165	101	100	92
5729166	104	99	84
5729167	110	108	74
5729169	108	98	80
Blank	101	101	84
LCS	115	108	79
MS	104	99	84
MSD	110	108	74
Limits:	56-120	62-121	44-134

Analysis Name: bis-(2-ethylhexyl)phthalate
Batch number: 09204WAD625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
5729163	104	101	81
Blank	109	106	84
LCS	112	104	78
LCSD	114	107	83
Limits:	56-120	62-121	44-134

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 092080007A

	Propene
5729160	97
5729161	94
5729165	86
5729166	84
5729167	89
5729169	88
5729170	75
5729171	98
Blank	105
LCS	106
MS	84
MSD	89
Limits:	42-131

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1154414 Sample # 5729160-71 **COC #** 216397

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

For Lab Use Only
FSC:
SCR#: 78553

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

(1)
Client: RMT, Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: Jennifer 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	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Volatile Headspace Hydrocarbon	Total Pas P/NH3	TDS, TSS/Sulfate	Nitrate Nitrogen	Nitrite Nitrogen	Diss lead	HPC	Remarks
									H	O	H		O					
MW-30d	7-21-09	1412	X			X		15	3	2	2	2	2	1	1	1	1	Diss lead is field
MW-8	7-21-09	1512	X			X		15	3	2	2	2	2	1	1	1	1	filtered
SW-D-3	7-21-09	1730	X			X		5	3	2								
SW-D-2	7-21-09	1745	X			X		5	3	2								
SW-D-1	7-21-09	1755	X			X		5	3	2								
MW-19-7	7-21-09	1345	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-7 MS/MSD	7-21-09	1345	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-6	7-21-09	1510	X			X		15	3	2	2	2	2	1	1	1	1	
MW-19-12	7-21-09	1035	X			X		5	3		2							
TB-02	7-19-09	—				X												

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: jennifer.overvoorde@rmtinc.com
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
Bottle Storage	7-20-09	700	R. Kindig	7-20-09	700
R. Kindig	7-20-09	1010	Dave Conchon	7-20-09	1010
Scott Middlebrook	7/21/09	1830	FedEx	7/21/09	1830
			Jessica Agosto.	7-22-09	0920

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: 7-22-09.

Time of Receipt: 0920.

Source Code: 50-1

Unpacker Emp. No.: 767

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	0429865	8.0	TB.	WI	Y	B.	ST Range. 8.4 - 10.7
2	↓	3.8	↓	↓	↓	↓	
3	↓	3.7	↓	↓	↓	↓	
4	↓	4.5	↓	↓	↓	↓	
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
Jessica Agosto	7-22-09.	1045	Unpacking
Annalisa H. Owen	7/22/09	1110	Place in Storage or (Entry)
			Entry
			Entry

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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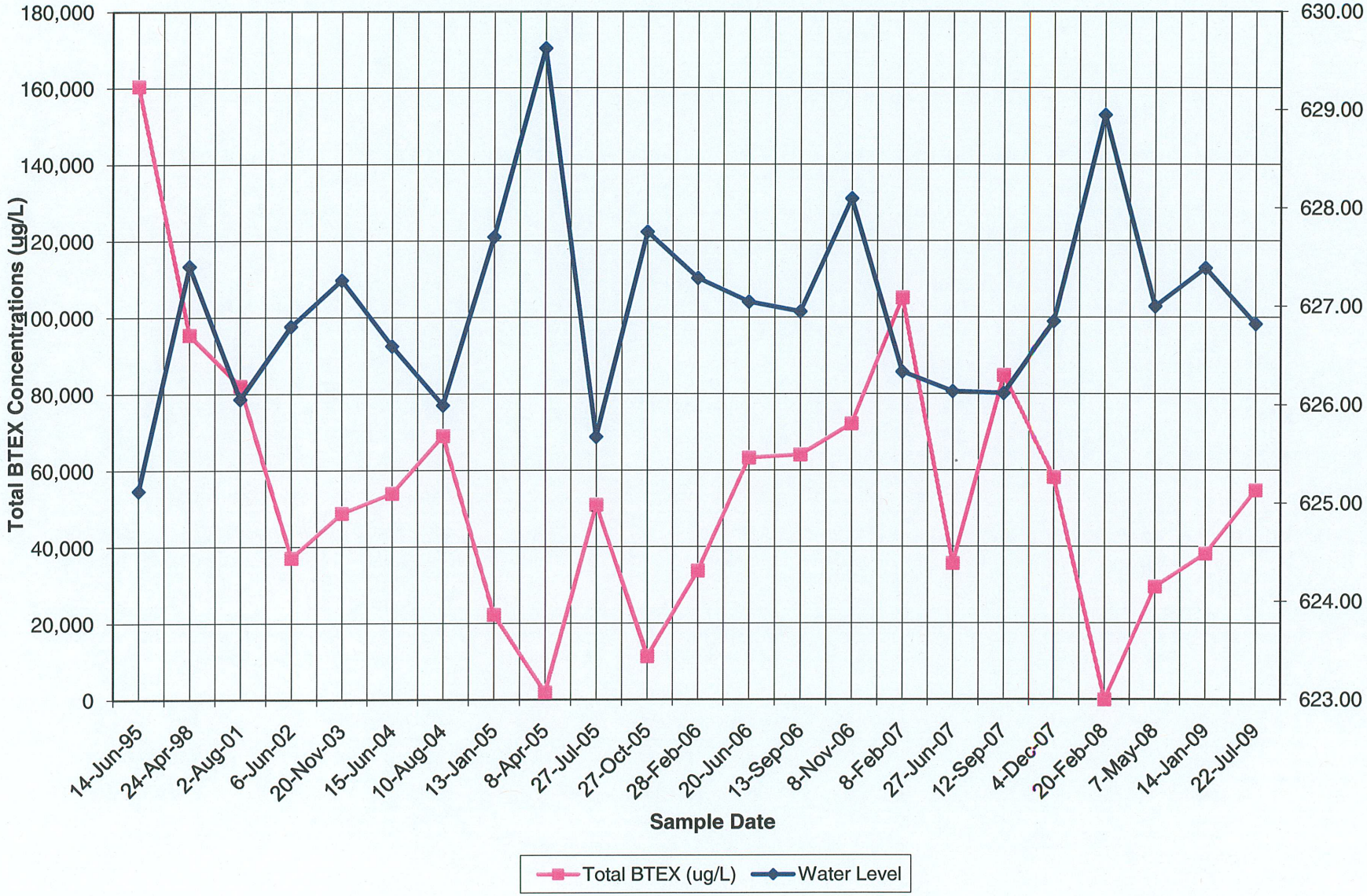
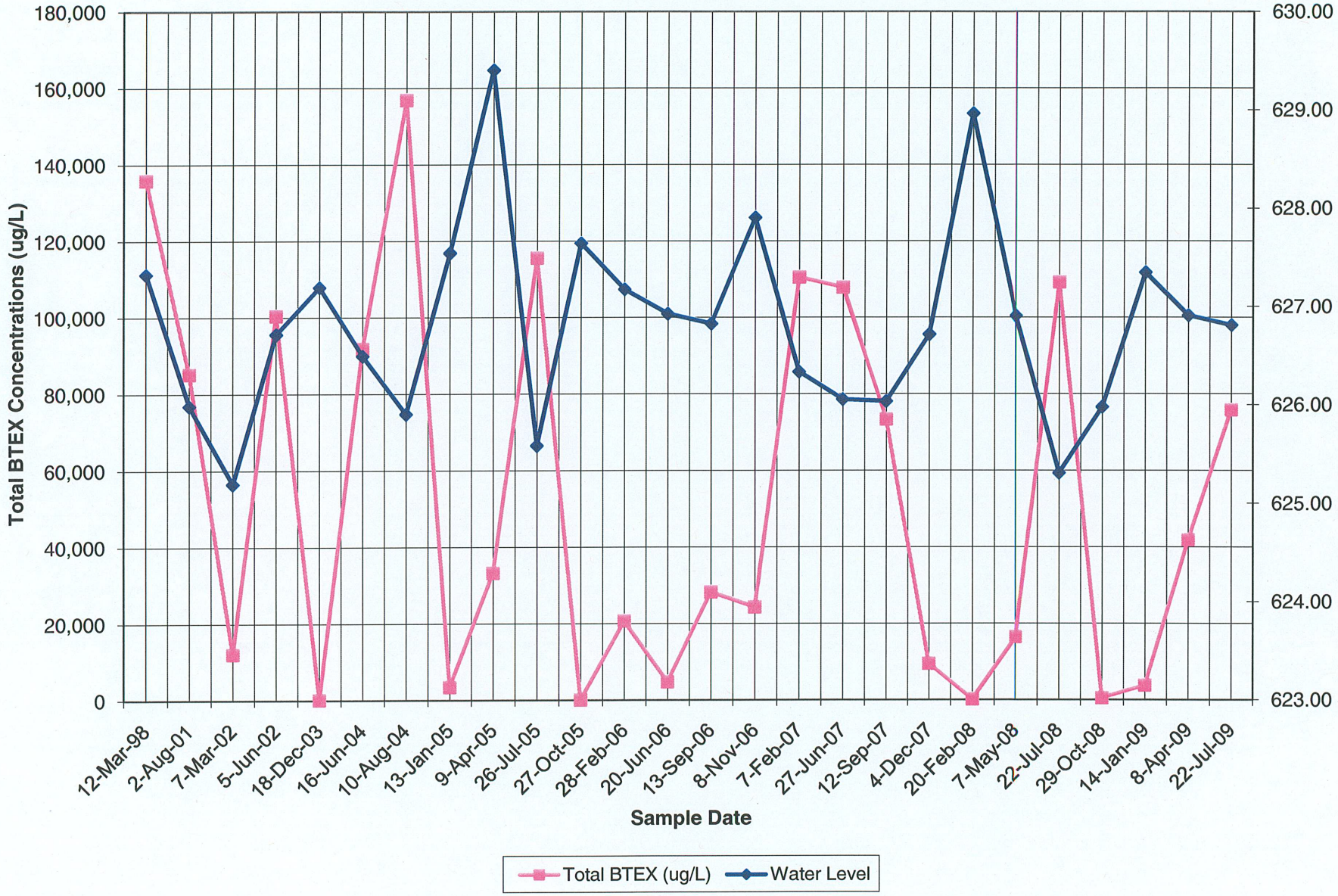
Appendix C
BTEX Concentration Trend Charts

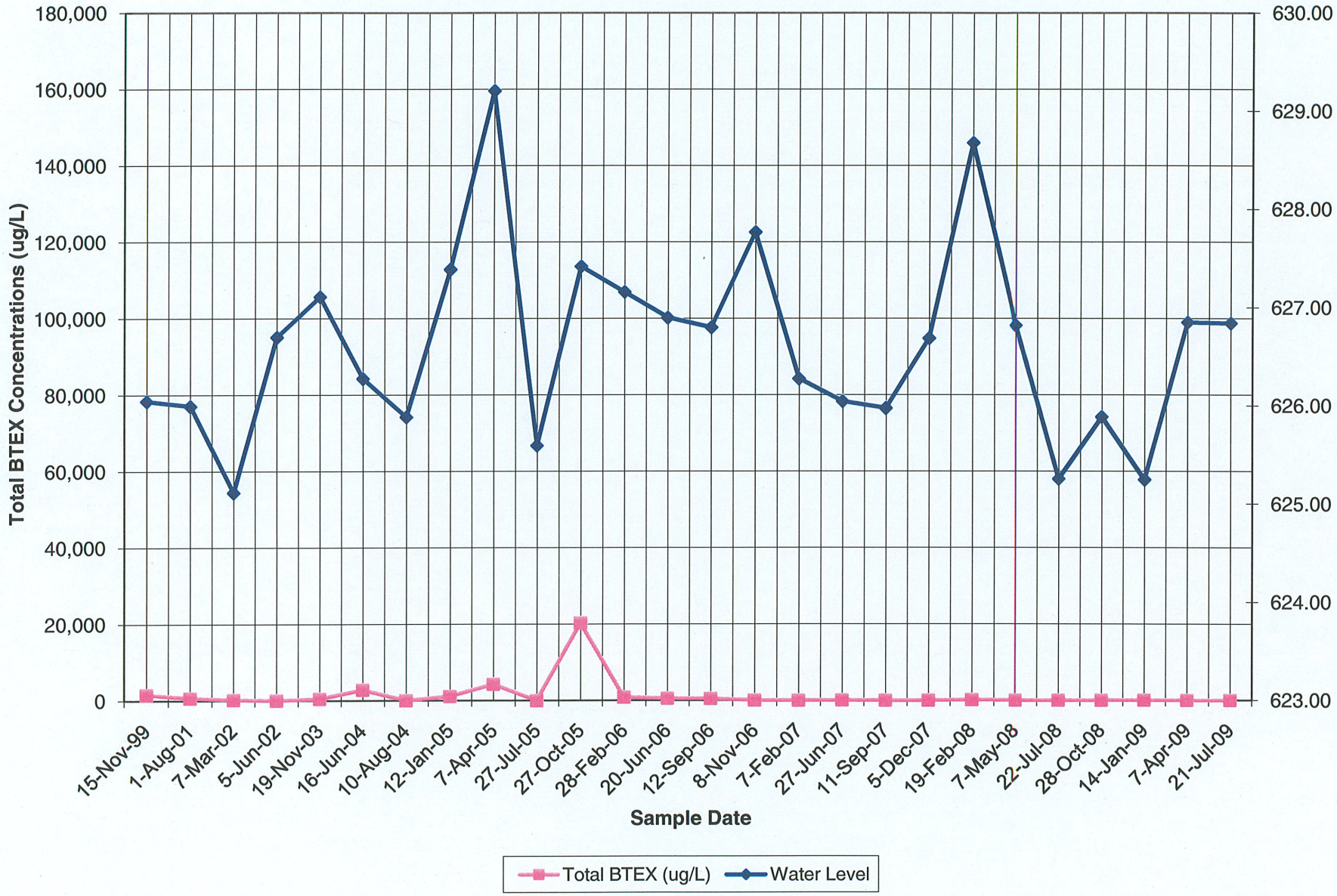
Total BTEX Concentrations vs. Water Levels for MW-19



Total BTEX Concentrations vs. Water Levels for MW-19-5



Total BTEX Concentrations vs. Water Levels 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	7/23/09

Description
Standing near the equipment shed looking west across site.

Photo No.	Date
2	7/23/09

Description
Standing near MW-29s (shown in foreground) looking southeast toward MW-30d, MW-30i, MW-30s.

RMT

Photographic Log

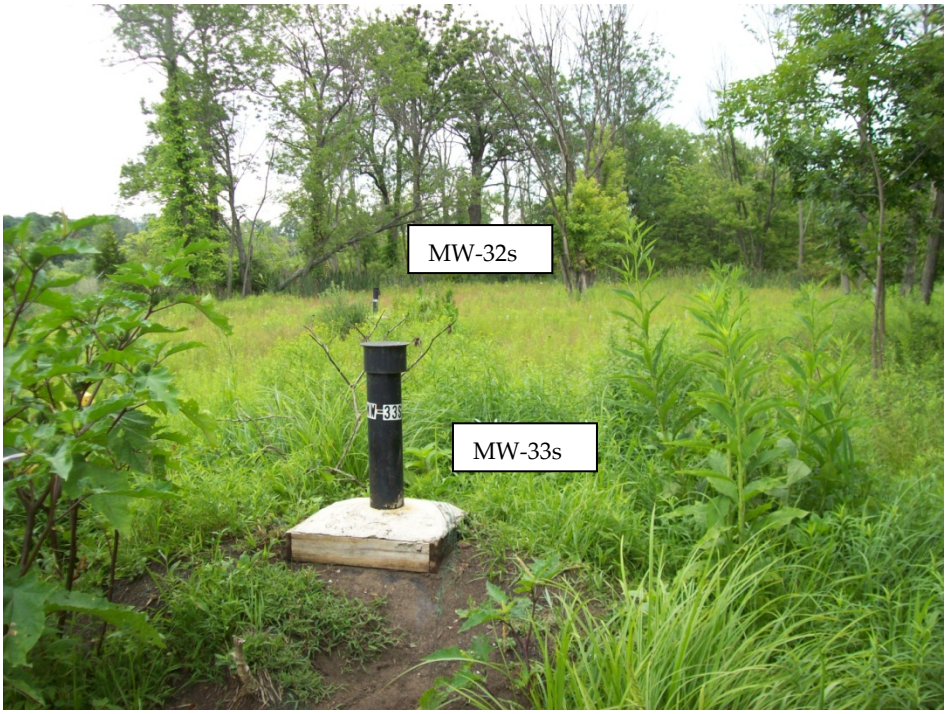
Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, New Jersey	6527.35

Photo No.	Date
3	7/23/09

Description
Standing near MW-33s looking west across site towards Monitoring wells MW-28s & i. Monitoring wells cannot be seen in photograph due to high vegetation.

Photo No.	Date
4	7/23/09

Description
Standing just inside of wetland area looking east into wetland area. Monitoring wells MW-33s and MW-32s 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	7/23/09

Description
Standing just outside of wetland area looking NE into wetland area. Monitoring wells MW-31s is shown in the picture.

Photo No.	Date
6	7/23/09

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	7/23/09

Description
Standing near SW-D-5 (beaver dam) looking North toward the beaver dam and sampling location.

Photo No.	Date
8	7/23/09

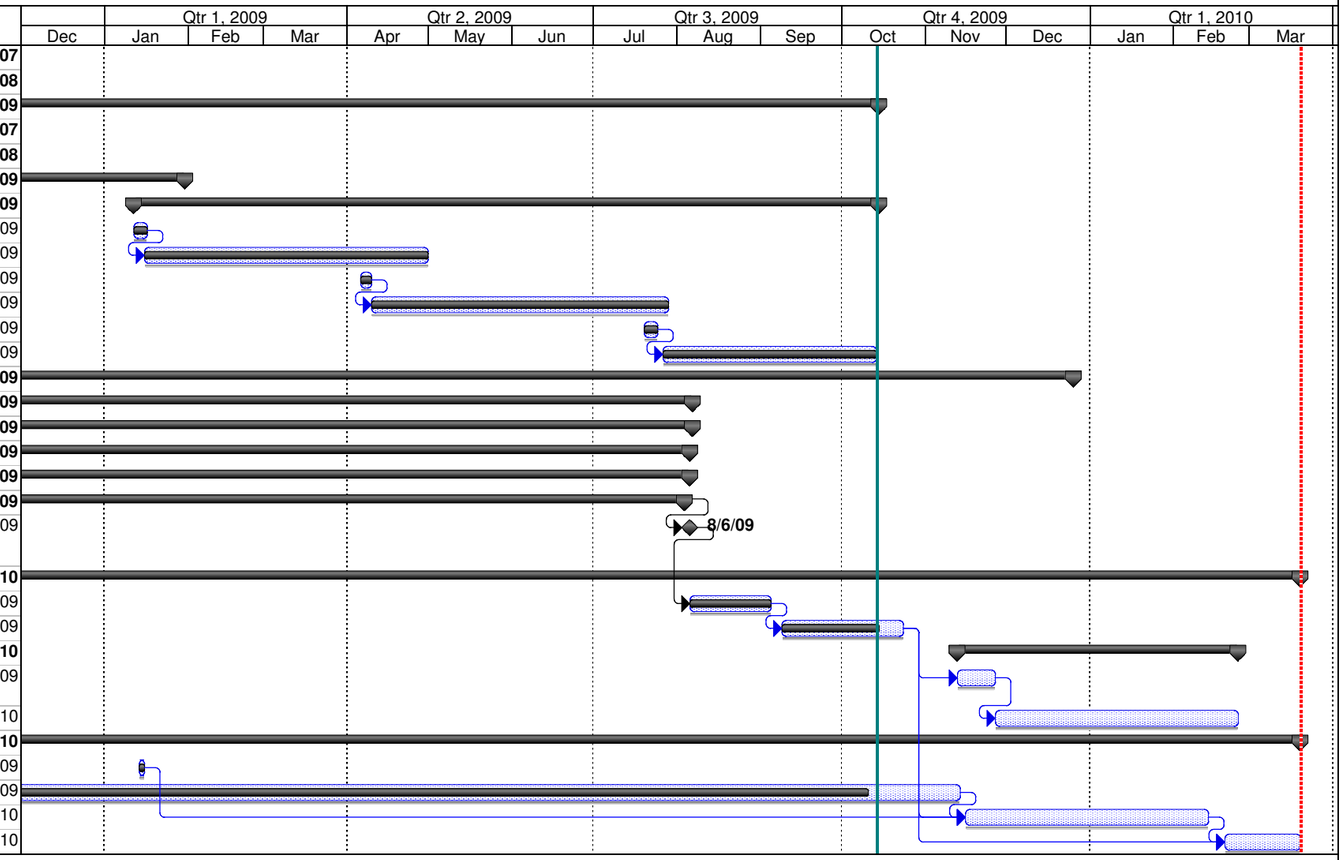
Description
Ditch River Confluence (DRC-2). Looking south (downstream) in the ditch toward the Rockaway River.

Appendix E
Project Schedule

Dayco Corporation/L. E. Carpenter & Company ~ Wharton NJ
Master Project Schedule

USEPA ID No. NJD002168748
Oct. 14, 2009

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**	**949 days**	**Mon 2/27/06**	**Wed 10/14/09**
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**	**199 days**	**Mon 1/12/09**	**Wed 10/14/09**
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	58 days	Mon 7/27/09	Wed 10/14/09
151		**WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING**	**935 days**	**Tue 5/30/06**	**Fri 12/25/09**
171		**NJDEP LEAD REMEDIAL INVESTIGATIONS (RI)**	**899 days**	**Mon 2/27/06**	**Thu 8/6/09**
172	✓	**MW19/HOT SPOT 1 AREA**	**899 days**	**Mon 2/27/06**	**Thu 8/6/09**
182		**MW-30 SOURCE AREA**	**328 days**	**Fri 5/2/08**	**Thu 8/6/09**
187		**LEAD AGENCY CHANGE, UAO & SOW**	**339 days**	**Fri 4/18/08**	**Thu 8/6/09**
188		**Active Discussion and Negotiation**	**337 days**	**Fri 4/18/08**	**Mon 8/3/09**
197	✓	**USEPA ASSUMES LEAD AGENCY ROLE [UAO/SOW EFFECTIVE DATE]**	0 days	Thu 8/6/09	Thu 8/6/09
198		**RA WORK PLAN ADDENDUM**	**351 days**	**Mon 11/17/08**	**Fri 3/19/10**
199	✓	RA Work Plan Addendum Preparation	30 edays	Thu 8/6/09	Sat 9/5/09
200		USEPA & NJDEP Review and Approval of RA Work Plan Addendum	45 edays	Tue 9/8/09	Fri 10/23/09
201		**MW-30 AOC**	**74 days**	**Thu 11/12/09**	**Wed 2/24/10**
202		RA Work Plan for MW-30 AOC Implementation (Soil, Groundwater & Sediment Investigation)	14 edays	Thu 11/12/09	Thu 11/26/09
203		Bioremediation Pilot Study	90 edays	Thu 11/26/09	Wed 2/24/10
204		**MW19HS1 AOC**	**351 days**	**Mon 11/17/08**	**Fri 3/19/10**
205	✓	Pre-Demolition Surveying	2 days	Wed 1/14/09	Thu 1/15/09
206		Bldg 9 Demolition Assessment, Abatement & Permitting	260 days	Mon 11/17/08	Fri 11/13/09
207		Bldg 9 Demolition	90 edays	Mon 11/16/09	Sun 2/14/10
208		MW19HS1 Soil Remedy Implementation	28 edays	Fri 2/19/10	Fri 3/19/10



Wed 10/14/09

Task		Milestone		Rolled Up Split		External Tasks		Deadline	
Split		Summary		Rolled Up Milestone		Project Summary			
Progress		Rolled Up Task		Rolled Up Progress		External Milestone			

edays: elapsed days or calendar days