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# Remedial Action Progress Report (RAPR) for 3rd Quarter 2007

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

USEPA ID No. NJD002168748

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## Borough of Wharton, Morris County, New Jersey

**USEPA ID No. NJD002168748**

**November 2007**


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# Table of Contents


1. Introduction ..... 1-1

2. MW19/Hot Spot 1 Groundwater Monitoring ..... 2-1
   - 2.1 Implementation of the Revised Monitored Natural Attenuation Protocol ..... 2-1
   - 2.2 Sampling Methodology ..... 2-1
   - 2.3 Groundwater Elevations and Flow Direction ..... 2-2
   - 2.4 Delineation of Groundwater Contamination ..... 2-3
     - 2.4.1 Contaminants of Concern (COC) ..... 2-3
     - 2.4.2 MNA Parameters and Data Analysis ..... 2-4

3. Source Reduction Area Sampling ..... 3-1

4. Surface Water Sampling ..... 4-1
   - 4.1 Eastern Drainage Channel ..... 4-1
   - 4.2 Rockaway River ..... 4-1

5. Additional and Future Project Activities ..... 5-1
   - 5.1 Post Remedial Monitoring Plan [PRMP] Implementation and Reporting ..... 5-1
   - 5.2 Remedial Action Progress Reports [RAPRs] ..... 5-2
   - 5.3 MW19/Hot Spot 1 Soil Gas Investigation and RASR ..... 5-2
   - 5.4 Source Reduction Remedial Project ..... 5-3
   - 5.5 Wetland Monitoring, Invasive Species Control, and Reporting ..... 5-3


## List of Tables


| | |
|---|---|
| Table 1 | Quarterly Groundwater Elevations |
| Table 2 | MW19/Hot Spot 1 Groundwater Monitoring Data |
| Table 3 | MW19/Hot Spot 1 Quarterly Groundwater Monitoring MNA Analytical Data |
| Table 4 | MW19/Hot Spot 1 Quarterly Groundwater Monitoring MNA Field Data |
| Table 5 | Surface Water Monitoring Data |


## List of Figures


| | |
|---|---|
| Figure 1 | Site Location Map |

| | |
|---|---|
| Figure 2 | Site Plan with Well Locations |
| Figure 3 | MW19/Hot Spot 1 Shallow Aquifer Potentiometric Surface Map |
| Figure 4 | MW19/Hot Spot 1 Isoconcentration Map, 3rd Quarter 2007 |
| Figure 5 | Site-Wide Shallow Groundwater Elevation Contours |

## List of Appendices

| | |
|---|---|
| Appendix A | Report Certification |
| Appendix B | BTEX Concentration Trend Charts |
| Appendix C | 3rd Quarter 2007 Monitoring Well Sampling Data |
| Appendix D | 3rd Quarter 2007 Laboratory Analytical Report |
| Appendix E | Project Schedule |

# Section 1
# Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Remedial Action Progress Report (RAPR) for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events and associated progress reports are completed and submitted to New Jersey Department of Environmental Protection (NJDEP) to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the NJDEP. We provide a summary of activities completed during the third quarter of 2007 (3Q07), including but not limited to, (1) the continued quarterly Contaminant of Concern (COC) and Monitored Natural Attenuation (MNA) groundwater monitoring of both the MW19/Hot Spot 1 area and source reduction remedial area, (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.

We have certified this report in accordance with requirements outlined in N.J.A.C 7:26E-1.5 (Appendix A).

RMT conducted the following tasks during the 3Q07:

- Quarterly monitoring of both the MW19/Hot Spot 1 area, the source reduction area, and adjacent surface water bodies (*i.e.*, Rockaway River and drainage ditch) as required under the 1986 ACO, and as proposed in the Post Remedial Monitoring Plan (PRMP) and various regulatory correspondence (Reference Sections 2 and 3, and Figures 3 and 4).

Discussion of these activities is provided in the referenced sections.

# Section 2
# MW19/Hot Spot 1 Groundwater Monitoring

## 2.1 Implementation of the Revised Monitored Natural Attenuation Protocol

In a letter dated January 15, 2004, United States Environmental Protection Agency (USEPA) requested LEC implement the approved May 2001 MNA work plan. Prior to that time, LEC implemented only the low-flow sampling protocols outlined in the MNA work plan. During the second quarter 2004 (2Q04) sampling event, LEC began implementing all aspects of the MNA work plan (*e.g.*, low-flow sampling coupled with full MNA analysis, *etc.*). During the January 6, 2005 source remediation preconstruction meeting, USEPA requested quarterly MNA activities be continued in the MW19/Hot Spot 1 area until the source reduction remedial action was complete and a new site-wide monitoring well network was installed. In a letter dated January 13, 2005, RMT revised the MNA monitoring program due to the modifications made to the LEC site groundwater-monitoring network. A copy of the revised MNA sampling protocol was presented as Appendix D in the first quarter of 2005 (1Q05) monitoring report.

## 2.2 Sampling Methodology

RMT conducted the 3Q07 groundwater monitoring activities September 10 through September 13, 2007. We performed groundwater monitoring 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 MNA work plan. The MNA work plan was approved by NJDEP on January 24, 2002. Locations of the monitoring wells sampled this quarter are shown on Figure 2.

Three sample duplicates, trip blanks, a field (atmosphere) blank, two matrix spike/matrix spike duplicates (MS/MSDs), and three rinsate blanks were collected to satisfy Quality Assurance/Quality Control (QA/QC) requirements outlined in the QAPP. 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 duplicates were collected from surface water location SW-R-5 (duplicate sample No. Dup-01), monitoring well MW-19-4 (duplicate sample No. Dup-02), and MW-30S (duplicate sample No. Dup-03), and were analyzed for BTEX and di(2-ethylhexyl)phthalate (DEHP). Dup-02 and Dup-03 were also analyzed for MNA parameters. Rinsate blank RB-02 and RB-03 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify the decontamination procedures were adequate. A third rinsate blank (RB-01) was collected by circulating distilled water through the clean stainless steel scoop cup that was used to collect the surface water

samples. 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 de-ionized 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 Environmental Science Corp. (ESC), located in Mt. Juliet, Tennessee for BTEX, DEHP, and MNA parameter analysis per the current MNA groundwater monitoring protocol (State of New Jersey Lab Certification No. TN002).

## 2.3 Groundwater Elevations and Flow Direction

RMT measured static groundwater levels within 35 groundwater monitoring wells (Figure 2) on September 10, 2007 as part of the sampling activities. In addition, surface water levels were measured at seven separate locations along the Rockaway River and five 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 are summarized on Table 1 and these data were used to prepare a site-wide contour map (Figure 5). The site-wide groundwater contour map is discussed further in Section 3 of this report.

Figure 3 displays the MW19/Hot Spot 1 Area shallow groundwater elevation contours, and shows the shallow groundwater flow direction 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 regional sewer line that runs down Ross Street has localized influences on the groundwater contours. The Rockaway River eventually captures groundwater from MW-19/Hot Spot 1 Area.

Groundwater elevation data obtained for the MW-19 area wells continues to show that MW-19-12 is directly downgradient from the leading edge of residual groundwater contamination (Figures 3 and 4). The 3Q07 groundwater sample laboratory test results for MW-19-12 show no detectable constituents of concern (COCs). In addition, data show that no COCs are detected at levels greater than the New Jersey Groundwater Quality Standards [NJGWQS] in MW-19-7. These data confirm that the lateral extent of residual groundwater contamination is limited to the LEC site property (see Section 2.4 below and Figure 4).

## 2.4 Delineation of Groundwater Contamination

### 2.4.1 Contaminants of Concern (COC)

Table 2 summarizes concentrations of BTEX and DEHP for all of the MW-19/Hot Spot 1 area MNA groundwater monitoring wells. The lateral distribution of total BTEX concentrations in the MW-19/Hot Spot 1 Area is shown on Figure 4. RMT sampled groundwater from these wells on September 11 – 12, 2007. Corresponding field sampling data and analytical laboratory reports are presented in Appendix C and Appendix D, respectively.

The NJGWQS for DEHP, 3 μg/L, is not exceeded in any of the MW-19 area monitoring wells sampled during the 3Q07 monitoring event. Toluene, ethylbenzene, and total xylenes exceed the NJGWQS of 1000 μg/L, 700 μg/L and 1000 μg/L, respectively, in groundwater collected from MW-19 and MW-19-5.

MW-19 is located close to the former 10,000-gallon underground storage tanks (USTs) (USTs E-3 and E-4) that were likely responsible for the resulting DEHP and BTEX constituents in shallow groundwater. These former USTs are no longer a continuing source for DEHP and BTEX contamination in this area because LEC removed them in 1991 along with some of the nearby impacted soils. In addition, the LEC printing processes and material storage practices that occurred in Building 9 that may have resulted in releases of both DEHP and BTEX were stopped in 1987. However, residual soil contamination between MW-19 and MW-19-5 were reportedly left in place, and water table fluctuations, as well as rainfall infiltration events, are likely responsible for observed variations of the dissolved groundwater contaminants being detected currently (Appendix B). In addition, RMT recently reported new data showing residual sources in vadose soils under Building 9 (see RMT's September 2007 RASR).

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 continues to show that MW-19-12 is downgradient of MW-19-7 and no BTEX or DEHP were detected in MW-19-12. As shown on Figure 4, this indicates that existing residual groundwater contamination in the MW-19 area is very limited in extent and poses no risk to residences on the north side of Ross Street.

The trend charts in Appendix B show that downgradient migration is limited to the near vicinity of MW-19-7 because the bulk of past monitoring events show that MW-19-7 is directly downgradient from MW-19-5 (as described above), and the concentrations in

MW-19-7 are shown to rise only slightly following relatively large upward spikes in COC concentration in MW-19-5. Data show that the COC plume exists under equilibrium conditions [as described further below during the discussion of natural attenuation (NA)], although possibly affected by short-lived pulses of higher concentrations following major infiltration and water table fluctuation events. Monitoring well MW-19-12 (Figures 3 and 4) verifies the limited area of dissolved COC contamination, shows that this plume is in equilibrium, and assures that COCs are not migrating across Ross Street.

Figure 4 shows isoconcentration contours for total BTEX levels 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 groundwater flow direction defined by the groundwater elevation contours.

The lack of downward migration of contaminants is evidenced by a lack of detectable constituents in MW-19-D, and further supported/verified by historical groundwater elevation data that continues to show strong upward vertical hydraulic gradients. This upward vertical gradient is consistent with all other former deep/shallow well clusters across the site and is a function of the hydraulic head induced by the Washington Pond Reservoir, and regional discharge to the Rockaway River. 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.

### 2.4.2 MNA Parameters and Data Analysis

Tables 3 and 4 summarize the MNA laboratory analytical and field data, respectively. The current quarterly groundwater-monitoring program, as a result of recent modification to the LEC site groundwater monitoring well network, was revised on January 13, 2005, and put into affect for 1Q05 sampling. The sampling and testing was done in accordance with the revised MNA sampling protocol presented as Appendix D in the 1Q05 monitoring report.

Natural attenuation of petroleum hydrocarbons via biodegradation (also known as intrinsic bioremediation) has been documented to be a universal phenomenon in that it occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be

protective at >80% of those sites (Wiedemeier, 1997). Given the low concentrations exhibited over most of the sampling history for MW-19-7 (relative to MW-19-5), and results of NA parameter testing (described in more detail below), LEC believes that intrinsic bioremediation is active at the site.

The main difference that exists with respect to distribution of contaminants at various sites is related to the distance contaminants migrate before an "equilibrated" zone of degradation occurs. Because the data for MW-19-5 shows increased mass flux of contaminants from vadose to dissolved phase as a function of infiltration and water table fluctuation, and because hydraulic data suggests that MW-19-11 is not directly downgradient from the zone of residual soil contamination, MW-19-12 was installed to assure that the full lateral extent of the plume is known. As shown in the 2Q06 through 3Q07 reports, MW-12 continues to be hydraulically downgradient from the MW-19 Hot Spot residual source area (Figure 3). Consistent with the conclusion that residual soil contamination in the vadose zone is very limited in extent, and that the dissolved-phase groundwater "plume" exists largely under equilibrium conditions, MW-19-12 was again non-detect for BTEX and DEHP in 3Q07.

Note that MW-19-7 did not appear to be directly downgradient during the third quarter of 2004 (3Q04) (August 2004), the 3Q05 (July 2005), the 4Q06 (November 2006), and the 2Q07 events, which are likely the reason that concentrations were non-detect or just slightly elevated above detection for those four events. However, it is also important to note that often when concentrations from the residual source area (currently represented mostly by results from MW-19-5) spike upwards [as in the second quarter of 2002 (2Q02) and 2Q04 events], concentrations also rise but remain relatively low at MW-19-7, which based on the groundwater contours for those events was directly downgradient from MW-19-5. This further supports the idea that the zone of dissolved groundwater contamination that is elevated above NJDEP cleanup criteria is sourced from infiltration through, and fluctuating water tables within, residual soil contamination in the vadose zone.

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 Areas have remained relatively constant. 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.

Numerous researchers have shown that BTEX biodegrades via aerobic respiration, denitrification, manganese reduction, iron (III) reduction, sulfate reduction, and methanogenesis. Therefore, indicator parameters (Tables 3 and 4), such as iron, dissolved oxygen, sulfate, methane, and nitrate, that the micro-organisms need and use to biodegrade petroleum hydrocarbons can be monitored and evaluated between monitoring wells that are upgradient, downgradient, or within the plume area itself. 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 a relatively short distance downgradient from MW-19-7 (between MW-19-7 and MW-19-12).

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, it is apparently significant enough such that remediation via natural attenuation could take many years before achieving industrial cleanup levels. Therefore, LEC is taking steps towards remediating the MW-19 area as outlined in the September RASR (See Section 5 below).

# Section 3
# Source Reduction Area Sampling

This 3Q07 event marks the sixth time that new PRMP wells have been sampled. Installation of the remaining five (5) approved PRMP wells planned for the Wharton Enterprises property wetland area is tentatively being planned to take place in during the week of November 12, 2007 despite the extreme delays in obtaining the NJDEP Land Use Regulation Program (LURP) approval of a GP-14 [317 business days in review] and Stream Encroachment Modification permit [158 business days in review] applications submitted to the LURP on August 15, 2006 and March 26, 2007, respectively (refer to Section 5.1 below).

Site-wide groundwater contours are shown on (Figure 6). 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 5). Further downgradient, site groundwater nearest the river flows generally parallel to the river, and eventually becomes influent to the river just downgradient of the source reduction area (in the Wharton Enterprises wetland area). Also, similar to the pre-source reduction flow, some of the site shallow groundwater becomes influent to the ditch surface water; this flow-path is supported by the occasional low detections of COCs in some of the ditch surface water samples (see Section 4 below).

Note that the groundwater contour map shows the effect of the buried slurry monolith on groundwater flow, and that it is very limited in extent. 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 625-foot groundwater contour roughly mimics the shape of that swale. The presence of the monolith does not change the overall flow directions which as shown on Figure 6 and described above are directed towards the ditch, the wetland area, and the river.

The analytical results from all events are summarized in Tables 2 thru 5. Dissolved groundwater contamination was found in shallow wells MW-28s and MW-30s (Table 2), however, no measurable free product was found in either well. The concentrations of dissolved benzene, ethylbenzene, and xylene are rapidly decreasing over time. In addition, dissolved DEHP is also rapidly decreasing over time, in MW-28s and MW-28i. The trend of DEHP in MW-30s is less clear, but appears to be decreasing overall.

The shallow wells lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the source reduction area, and both have screens that straddle the base of the slurry monolith floor. At both locations, deeper wells (MW-28i and MW-30i) were installed just below the shallow well (screened approximately 5 feet below the bottom of the shallow well screen). Analytical results from MW-28i identified only DEHP and at a concentration slightly above the detection limit, which is a significant drop in concentration (Table 2). In addition, no COCs were detected in MW-30i.

No contamination has ever been detected in the deepest well (MW-30d; Table 2), which demonstrates that the vertical extent of dissolved groundwater contamination is limited to a depth of between 5 to 10 feet below the bottom of the slurry monolith floor at that location.

Based on the groundwater flow map for the whole site (Figure 5), the receptor downgradient from the central portion of the source reduction area represented by results from MW-28 is the ditch. Groundwater from other portions of the source reduction area flows towards the wetland area and the river. Additional monitoring points (as shown on Figure 5) are slated for installation in this area during the week of November 12, 2007 as described above. As reported below, all seven of the river surface water samples were "non-detect" for BTEX. However, four of the seven river surface water samples did have detections of DEHP.

The surface water elevation data for the ditch is consistent with its configuration as a U-shaped "linear" pond formed as a result of a beaver dam (Figure 2). All of the ditch surface water samples were "non-detect" for the COCs, with the exception of DEHP, in 3Q07.

A more detailed analysis of COC concentrations, groundwater flow, hydrogeology, and geology related to the source reduction area will be provided once the proposed wetland wells have been installed and sampled.

# Section 4
# Surface Water Sampling

## 4.1 Eastern Drainage Channel

As part of the 3Q07 event, RMT sampled the eastern drainage channel that separates the adjacent Air Products facility from the LEC site and the adjacent Wharton Enterprises property. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005. During the third quarter sampling event, five 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 facility 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 facility 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, and was collected just above the beaver dam. All surface water sample locations are shown on Figure 2. The laboratory testing results for these samples are summarized on Table 5.

BTEX was not detected in any of the ditch surface water samples. However, all ditch samples had detections of DEHP slightly above the NJSWQS. SW-D-1 (7.3 μg/L), SW-D-2 (3.0 μg/L), and SW-D-5 (3.4 μg/L) were the only surface water samples in the ditch above the NJSWQS for DEHP of 1.76 μg/L.

## 4.2 Rockaway River

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

Sample SW-R-1 was collected near the river edge adjacent to the location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river. As discussed in earlier reports, the sheen was discovered in 2004 as a visible coloration on top of quiescent water pooled within the wetland area. The surface water sample from SW-R-1 was non-detect for BTEX and had a concentration of 1.3 μg/L for DEHP. No product sheen was observed at this location during the 3Q07 event.

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 also did not contain detectible concentrations of BTEX, but had a DEHP detection of 1.7 μg/L.

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. DEHP was detected at a concentration of 3.9 μg/L.

River sample SW-R-4 was collected upstream of SW-R-3 and was non-detect for BTEX; however, DEHP was detected at 19 μg/L which is above the 1.76 μg/L NJSWQS.

Rockaway River surface water samples SW-R-5 and SW-R-6 were non-detect for all COCs.

Another surface water sample was collected in the ditch near its intersection with the Rockaway River (approximately 10 feet upstream in the drainage channel; see Figure 2). Similar to the other river samples collected, the "Ditch-River Confluence" sample DRC-2 was non-detect for BTEX and DEHP. Because the DRC-2 location represents the discharge point from the ditch/beaver pond, this sampling point will continue to be tested as part of future monitoring events.

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 in the previous section of this report [Ref. Sections 1.1.2 and 2.3].

# Section 5
# Additional and Future Project Activities

The following section briefly outlines additional activities completed in 3Q07 and activities anticipated for completion during 4Q07. The 4Q07 monitoring event is tentatively scheduled for the week of December 3, 2007, fourteen days after installation and development of the five remaining wetland PRMP wells. An updated Master Project Schedule is presented as Appendix E.

## 5.1 Post Remedial Monitoring Plan [PRMP] Implementation and Reporting

Discussions were initiated between RMT and both NJDEP and USEPA during the fourth quarter of 2005 (4Q05) regarding the development and installation of the post source reduction site monitoring network in accordance with the submitted PRMP. A formal regulatory review and comment letter regarding the PRMP was received by LEC on February 22, 2006. RMT prepared a response to the February 22, 2006 NJDEP comments in Section 1 of the 1Q06 RAPR dated May 9, 2006. NJDEP approved the 1Q06 RAPR including response to the PRMP comments in their letter dated March 30, 2007.

RMT, on behalf of LEC, began installing the PRMP monitoring well network on June 5, 2006. RMT and LEC submitted the necessary GP-14 permit application to the NJDEP LURP on August 14, 2006 requesting authorization to install the remaining five monitoring wells (*i.e.*, monitoring devices) in the wetland area located east of the site (Wharton Enterprise property). Contrary to our interpretation of the New Jersey wetland regulations, as well as initial phone conversations with the LURP, we were informed that we may have to modify the existing GP-4 permit to authorize the installation of the monitoring wells in the wetland area. RMT argued that the GP-4 permit authorized remediation of a wetland area whereas the GP-14 authorizes installation of "monitoring devices" in a wetland, and as such, the in place GP-14 application should suffice. During further conversations, the LURP verbally agreed that the GP-14 permit application was the appropriate mechanism to authorize the installation of wells in a wetland area, and no modification of the existing GP-4 was required.

In February 2007, we were notified during follow up conversations regarding approval of the GP-14 application that a modification to the existing Stream Encroachment Permit [1439-04-0001.1 FHA040001 SEP] would be required in order to allow the placement of fill material in the 100-year floodplain. This fill material is required because the remaining five monitoring wells must be installed through mounds to facilitate screening the shallow water table with a properly constructed well. Description of the proposed mounded well design was outlined in

the August 2006 GP-14 permit application, yet no SEP modification request was made until February 2007. Though we did not want to submit a second application without knowing the status of the first [GP-14], RMT submitted the requested SEP modification to NJDEP LURP on March 26, 2007 to avoid further delays.

A voice message received from NJDEP LURP on April 25, 2007 suggested that the GP-14 permit application was approved in Oct 2006. However, no formal written approval was received by RMT, and no mention of the approval was made by LURP staff during RMT's numerous phone conversations with LURP in 4Q06 and 1Q07 regarding approval status. During a phone call with the LURP in early 2Q07, the LURP conveyed that they did not anticipate GP-14 permit/SEP modification approval until the end of June 2007 [90 business days following receipt of the SEP permit modification on March 26, 2007]. Follow-up conversations with LURP in 2Q07 required minor modifications to GP-14 Figure 3 be made [*i.e.*, visual depiction of the 50-ft transition zone]. A revised Figure 3 was submitted to LURP on July 25, 2007.

At present, GP-14 permit/SEP modification approvals have not been provided. Based on conversations with LURP regarding the status of both permit applications, and recent conversations with NJDEP, LURP staff review of the permits were completed, and the permits were slated to be issued in October 2007. Regardless of the lack of NJDEP LURP final approval of the GP-14 wetland permit application and stream encroachment permit modification, and because of the extreme delays and efforts in obtaining the permits, LEC has tentatively scheduled the PRMP wetland well installations beginning on November 12, 2007, and completion of the 4Q07 monitoring event beginning the week of December 3, 2007.

## 5.2 Remedial Action Progress Reports [RAPRs]

The 2Q06, 3Q06, 4Q06, 1Q07, and 2Q07 RAPRs were submitted to both NJDEP and USEPA for review on August 24, 2006, November 8, 2006, February 2, 2007, May 5, 2007, and July 30, 2007 respectively. During a January 23, 2007 phone conversation, NJDEP indicated that formal regulatory response following review of these 1986 ACO required deliverables would be forwarded to both LEC and RMT by the end of February 2007. As previously mentioned, NJDEP approved the 1Q06 RAPR including response to the PRMP comments in their letter dated March 30, 2007. However, no response has been received to date for the remaining 3 - 2006 RAPRs and 2 - 2007 RAPRs.

## 5.3 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). 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 Notice of Deficiency (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 Remedial Action Selection Report (RASR) outlined in the NJDEP NOD. NJDEP approved the 45-day extension. Subsequently, LEC submitted the RASR on September 4, 2007. No regulatory comments on the RASR have been received to date.

## 5.4 Source Reduction Remedial Project

As was outlined in the final source reduction progress update dated June 30, 2005, the construction phase of this project is now complete. A Remedial Action Report (RAR) documenting all source reduction activities was provided to both NJDEP and USEPA for review on week of November 14, 2005. LEC received a RAR comment letter from the NJDEP, dated June 14, 2006. RMT, on behalf of PolyOne, prepared a response to the RAR comment letter dated August 25, 2006. During a January 23, 2007 phone conversation, NJDEP indicated that formal regulatory response following review of the August 25, 2006 response to comment letter would be forwarded to both LEC and RMT for review by the end of February 2007. RMT received a response via email, on July 13, 2007, requiring LEC to modify the RAR figures to clarify the area that encompasses the LNAPL smear zone excavation and its relationship to the location of the subsurface slurry monolith. RMT submitted the revised figures on July 25, 2007 and received agency approval of the RAR and associated response to comment documents on September 14, 2007. In addition, USEPA issued an Explanation of Significant Difference (ESD) for areas that were addressed through implementation of the source reduction in a manner differing form those prescribed in the 1994 ROD.

## 5.5 Wetland Monitoring, Invasive Species Control, and Reporting

Spring and fall 2006 wetland monitoring and invasive species control events were conducted by a certified wetland expert [JFNew] in the Wharton Enterprise wetland area and associated transition zones to comply with the NJDEP Land Use Regulation Program (LURP) GP-4 Permit [File No. 1439-04-0001.1 (FWW 040001)]. Results and recommendations generated from the 2006 events were presented in the report entitled *2006 Compensatory Mitigation Monitoring Report* [JFNew, Jan 10, 2007]. LURP Comments regarding this report were received by LEC on February 5, 2007. RMT, on behalf of LEC responded to LURP comments in a letter dated April 9, 2007. The spring 2007 monitoring and invasive species control events were conducted on May 15, 2007 and June 28, 2007 respectively. The fall 2007 events were completed on September 6 and 7, 2007. Wetland restoration activities will be performed during an appropriate time of year following the wetland PRMP well installations.

# Tables

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

| WELL LOCATION | MONITORING DEVICE TYPE | PROFESSIONAL SURVEY INFORMATION [2] | | | | | QUARTERLY MEASUREMENT INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|
| | | BASELINE LOCATION (FT) NJ State Plane Coordinates | | ELEVATION (FT. MSL) | | | | | |
| | | (Y) North | (X) East | GROUND [6] | OUTER CASING | INNER WELL CASING | MEAS. DATE | WATER DEPTH | WATER ELEVATION |
| GEI-2I | Piezometer | 754573.99 | 470499.76 | 635.32 | 637.75 | 637.60 | 10-Sep-07 | 11.15 | 626.45 |
| GEI-2S | Piezometer | 754566 | 470506.18 | 634.86 | 637.27 | 637.07 | 10-Sep-07 | 11.05 | 626.02 |
| GEI-3I | Piezometer | 754311.79 | 470453.7 | 636.96 | 639.39 | 639.25 | 10-Sep-07 | 13.33 | 625.92 |
| MW-8 | Monitoring Well | 754099.29 | 471251.06 | 627.39 | 629.96 | 628.19 | 10-Sep-07 | 2.95 | 625.24 |
| MW-9 | Monitoring Well | 754075.94 | 471111.03 | 628.61 | 631.09 | 629.58 | 10-Sep-07 | 3.29 | 626.29 |
| MW-12S(R) | Monitoring Well | 754055.97 | 471042.34 | 631.57 | 634.26 | 633.73 | 10-Sep-07 | 8.47 | 625.26 |
| MW-13S | Monitoring Well | 754353.97 | 471370.04 | 627.74 | 630.80 | 630.63 | 10-Sep-07 | 5.39 | 625.24 |
| MW-13S(R) | Monitoring Well | 754333.07 | 471365.71 | 627.66 | 630.36 | 629.99 | 10-Sep-07 | 5.13 | 624.86 |
| MW-13I | Monitoring Well | 754337.8 | 471360.31 | 627.76 | 630.28 | 630.06 | 10-Sep-07 | 5.05 | 625.01 |
| MW-15S | Monitoring Well | 754326.58 | 470891.83 | 634.23 | 636.43 | 636.17 | 10-Sep-07 | 10.78 | 625.39 |
| MW-15I | Monitoring Well | 754325.8 | 470901.47 | 634.14 | 636.28 | 636.06 | 10-Sep-07 | 10.78 | 625.28 |
| MW-17 | Monitoring Well | 754109.68 | 470759.85 | 632.35 | 634.32 | 634.19 | 10-Sep-07 | 8.79 | 625.40 |
| MW-18S | Monitoring Well | 754677.95 | 471117.26 | 627.62 | 630.88 | 630.66 | 10-Sep-07 | 5.39 | 625.27 |
| MW-18I | Monitoring Well | 754675.11 | 471106.07 | 627.75 | 630.59 | 630.44 | 10-Sep-07 | 5.02 | 625.42 |
| MW-19 | Monitoring Well | 754537.15 | 470454.45 | 636.22 | 636.23 | 635.90 | 10-Sep-07 | 9.78 | 626.12 |
| MW-19-1 | Monitoring Well | 754534.52 | 470427.63 | 635.93 | 635.96 | 635.64 | 10-Sep-07 | 9.55 | 626.09 |
| MW-19-2 | Monitoring Well | 754551.81 | 470429.56 | 636.46 | 636.50 | 636.30 | 10-Sep-07 | 10.16 | 626.14 |
| MW-19-3 | Monitoring Well | 754539.4 | 470394.2 | 636.97 | 637.06 | 636.70 | 10-Sep-07 | 10.57 | 626.13 |
| MW-19-4 | Monitoring Well | 754505.39 | 470432.08 | 635.69 | 635.76 | 635.43 | 10-Sep-07 | 9.28 | 626.15 |
| MW-19-5 | Monitoring Well | 754565.53 | 470470.75 | 635.93 | 635.93 | 635.56 | 10-Sep-07 | 9.52 | 626.04 |
| MW-19-6 | Monitoring Well | 754578.87 | 470443.1 | 636.17 | 636.16 | 635.82 | 10-Sep-07 | 9.79 | 626.03 |
| MW-19-7 | Monitoring Well | 754595.66 | 470501.7 | 635.31 | 635.36 | 635.00 | 10-Sep-07 | 9.02 | 625.98 |
| MW-19-8 | Monitoring Well | 754617.42 | 470493.65 | 635.82 | 635.82 | 635.36 | 10-Sep-07 | 9.41 | 625.95 |
| MW-19-9D | Monitoring Well | 754590 | 470442 | 636.39 | 636.41 | 636.10 | 10-Sep-07 | 9.50 | 626.60 |
| MW-19-10 | Monitoring Well | 754625.75 | 470590.81 | 634.72 | 634.81 | 634.43 | 10-Sep-07 | NM- Damaged | NM |
| MW-19-11 | Monitoring Well | 754617.45 | 470546.95 | 634.22 | 634.26 | 633.67 | 10-Sep-07 | 7.76 | 625.91 |
| MW-19-12 | Monitoring Well | 754627.53 | 470529.72 | 634.93 | 634.93 | 634.46 | 10-Sep-07 | 8.66 | 625.80 |
| MW-21 [3] | Monitoring Well | 754240.97 | 471645.78 | 624.57 | 628.49 | 628.20 | 10-Sep-07 | 3.65 | 624.55 |
| MW-25(R) [3] | Monitoring Well | 754201.83 | 471518.21 | 624.65 | 626.77 | 626.62 | 10-Sep-07 | 2.20 | 624.42 |
| MW-27s | Monitoring Well | 754253.78 | 470672.69 | 635.82 | 635.78 | 635.07 | 10-Sep-07 | 9.59 | 625.48 |
| MW-28S | Monitoring Well | 754243.26 | 471034.34 | 628.20 | 631.28 | 631.14 | 10-Sep-07 | 6.27 | 624.87 |
| MW-28I | Monitoring Well | 754242.87 | 471031.19 | 628.25 | 631.20 | 631.04 | 10-Sep-07 | 6.09 | 624.95 |
| MW-29S | Monitoring Well | 754411.14 | 471187.85 | 629.94 | 632.83 | 632.66 | 10-Sep-07 | 7.81 | 624.85 |
| MW-30S | Monitoring Well | 754281.65 | 471265.21 | 625.08 | 628.18 | 627.99 | 10-Sep-07 | 3.50 | 624.49 |
| MW-30I | Monitoring Well | 754286.42 | 471263.15 | 625.14 | 628.15 | 628.00 | 10-Sep-07 | 3.29 | 624.71 |
| MW-30D | Monitoring Well | 754290.05 | 471261.2 | 625.20 | 628.22 | 628.04 | 10-Sep-07 | 3.39 | 624.65 |
| SG-R2 [3] | Rockaway River Monitoring Point | 754056.10 | 470946.46 | 629.41 | - | - | 10-Sep-07 | 3.19 | 626.22 |
| SW-R-1 [4] | Rockaway River Monitoring Point | 754125.56 | 471523.00 | 625.87 | - | - | 10-Sep-07 | 2.90 | 622.97 |
| SW-R-2 [4] | Rockaway River Monitoring Point | 754112.82 | 471426.51 | 626.54 | - | - | 10-Sep-07 | Dry | NA |
| SW-R-3 [4] | Rockaway River Monitoring Point | 754149.30 | 471368.76 | 626.25 | - | - | 10-Sep-07 | 2.22 | 624.03 |
| SW-R-4 [4] | Rockaway River Monitoring Point | 754088.00 | 471279.58 | 627.57 | - | - | 10-Sep-07 | 2.83 | 624.74 |
| SW-R-5 [4] | Rockaway River Monitoring Point | 754314.04 | 470408.85 | 640.66 | - | - | 10-Sep-07 | 2.00 | 638.66 |
| SW-R-6 [4] | Rockaway River Monitoring Point | 754071.52 | 470697.75 | 631.68 | - | - | 10-Sep-07 | Dry | NA |
| SW-D-1 [5] | Drainage Channel Staff Gauge | 754428.36 | 471240.17 | 625.75 | - | - | 10-Sep-07 | 1.82 | 623.93 |
| SW-D-2 [5] | Drainage Channel Staff Gauge | 754285.35 | 471361.22 | 626.07 | - | - | 10-Sep-07 | 2.01 | 624.06 |
| SW-D-3 [5] | Drainage Channel Staff Gauge | 754381.23 | 471548.18 | 625.70 | - | - | 10-Sep-07 | 1.63 | 624.07 |
| SW-D-4 | Drainage Channel Monitoring Point | 754297.19 | 471292.08 | - | 624.93 | - | 10-Sep-07 | 0.91 | 624.02 |

FOOTNOTES

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

| WELL LOCATION | MONITORING DEVICE TYPE | PROFESSIONAL SURVEY INFORMATION (2) | | | | | QUARTERLY MEASUREMENT INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|
| | | BASELINE LOCATION (FT) NJ State Plane Coordinates | | ELEVATION (FT. MSL) | | | | | |
| | | (Y) North | (X) East | GROUND (6) | OUTER CASING | INNER WELL CASING | MEAS. DATE | WATER DEPTH | WATER ELEVATION |

(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)

# TABLE 2

THROUGH 3RD QUARTER 2007

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

| MONITORING WELLS | SAMPLE DATE | QUARTER | Benzene | | Ethylbenzene | | Toluene | | Total Xylenes | | bis-2-Ethylhexylphthalate (DEHP) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ANALYTICAL PARAMETERS | | | | | | | | | |
| | | UNITS | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | |
| | | SOLUBILITY LIMIT | 1,700,000 | | 152,000 | | 515,000 | | 175,000 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 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 | | 6.6 |
| Dilution factor for BTEX 500 | 2-Aug-01 | 3 | < | 95 | | 3,000 | | 62,000 | | 17,000 | | 2.9 |
| Dilution factor for BTEX 1000 | 6-Jun-02 | 2 | < | 200 | | 1,000 | | 30,000 | | 6,000 | | 5.6 |
| Dilution factor for BTEX 100, Toluene 200 | 20-Nov-03 | 4 | < | 20 | | 1,500 | | 40,000 | | 7,400 | J | 6.0 |
| | 15-Jun-04 | 2 | < | 100 | | 1,400 | | 46,000 | | 6,600 | J | 4.0 |
| Dilution factor for BTEX 100, Toluene 500 | 10-Aug-04 | 3 | < | 20 | | 2,100 | | 56,000 | | 11,000 | J | 2.0 |
| Dilution factor for BTEX 50 | 13-Jan-05 | 1 | < | 10 | | 750 | | 18,000 | | 3,600 | < | 1.0 |
| Lower Grab Water Sample; Dilution factor for BTEX 5 | 8-Apr-05 | 2 | < | 1 | | 97 | | 1,300 | | 530 | J | 3.0 |
| Upper Grab Water Sample; Dilution factor for Toluene 5 | 8-Apr-05 | 2 | < | 0.2 | | 86 | | 410 | | 430 | J | 3.0 |
| Dilution factor for BTEX 200 | 27-Jul-05 | 3 | < | 40 | | 1,100 | | 44,000 | | 6,000 | J | 2.0 |
| Dilution factor for BTEX 100 | 27-Oct-05 | 4 | < | 20 | | 200 | | 10,000 | | 1,200 | J | 5.0 |
| Dilution factor for BTEX 250 | 28-Feb-06 | 1 | < | 50 | | 880 | | 28,000 | | 4,900 | J | 3.0 |
| Dilution factor for BTEX 200 | 20-Jun-06 | 2 | < | 40 | | 1,600 | | 53,000 | | 8,700 | J | 3.0 |
| Dilution factor for BTEX 200 | 13-Sep-06 | 3 | < | 40 | | 2,100 | | 51,000 | | 11,000 | J | 3.0 |
| Dilution factor for BTEX 200 | 8-Nov-06 | 4 | < | 40 | | 2,200 | | 59,000 | | 11,000 | J | 2.0 |
| Dilution factor for BTEX 500 | 8-Feb-07 | 1 | < | 500 | | 1,900 | | 93,000 | | 9,800 | < | 1.0 |
| Dilution factor for BTEX 50, Toluene 200 | 27-Jun-07 | 2 | < | 50 | | 680 | | 32,000 | | 3,000 | < | 1.0 |
| Dilution factor for BTEX 100, Toluene 500 | 12-Sep-07 | 3 | < | 100 | | 1,500 | | 76,000 | | 7,300 | | 2.6 |
| | | | | | | | | | | | | |
| **MW19-1** | | | | | | | | | | | | |
| Dilution factor for BTEX 200 | 12-Mar-98 | 1 | < | 40 | | 219 | | 4,270 | | 1,160 | | 190 |
| | 2-Aug-01 | 3 | < | 0.2 | | 1.2 | < | 0.2 | < | 0.2 | | 85 |
| | 5-Jun-02 | 2 | < | 0.22 | < | 0.18 | < | 0.24 | < | 0.2 | | 0.6 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 15-Jun-04 | 2 | < | 0.2 | < | 0.2 | | 1.7 | < | 0.6 | | 11 |
| | 10-Aug-04 | 3 | < | 0.2 | < | 0.2 | J | 0.6 | < | 0.6 | < | 1 |
| | 13-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 4 |
| Lower Grab Water Sample | 8-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Upper Grab Water Sample | 8-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 26-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 2 |
| | | | | | | | | | | | | |
| **MW19-2** | | | | | | | | | | | | |
| Dilution factor for BTEX 250 | 12-Mar-98 | 1 | < | 50.0 | | 1,130 | | 9,830 | | 6,010 | | 8.8 |
| Dilution factor for BTEX 2 | 1-Aug-01 | 3 | < | 0.4 | | 21 | | 160 | | 82 | | 16 |
| | 5-Jun-02 | 2 | < | 0.22 | | 19 | | 36 | | 39 | < | 0.4 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 15-Jun-04 | 2 | < | 0.2 | | 1.2 | | 29 | | 4.8 | < | 1 |
| | 10-Aug-04 | 3 | < | 0.2 | | 28 | | 150 | | 100 | J | 1 |
| | 12-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 3 |
| Lower Grab Water Sample | 8-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Upper Grab Water Sample | 8-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Jul-05 | 3 | < | 0.2 | | 6.2 | | 40 | | 20 | < | 1 |
| | 26-Oct-05 | 4 | < | 0.2 | J | 1 | | 2.7 | | 3.3 | < | 1 |
| | 26-Oct-05 | 4 duplicate | < | 0.2 | J | 0.8 | | 2.5 | | 3 | < | 1 |
| | | | | | | | | | | | | |
| **MW19-3** | | | | | | | | | | | | |
| | 12-Mar-98 | 1 | < | 0.2 | < | 0.14 | < | 0.14 | < | 0.5 | < | 1.2 |
| | 2-Aug-01 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.5 |
| | 5-Jun-02 | 2 | < | 0.22 | < | 0.18 | < | 0.24 | < | 0.2 | < | 0.5 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |

# 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 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 1 | | 700 | | 1,000 | | 1,000 | | 3 | |
| **MW19-4** | | | | | | | | | | | | |
| | 12-Mar-98 | 1 | < | 0.2 | < | 0.14 | < | 0.14 | < | 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 | < | 0.2 | < | 0.5 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 28-Feb-06 | 1 | < | 0.2 | < | 0.2 | | 2.2 | < | 0.6 | < | 1 |
| | 21-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 12-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 12-Sep-06 | 3 duplicate | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 7-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 7-Feb-07 | 1 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| 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 |
| | 11-Sep-07 | 3 duplicate | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| **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** | | **3.2** |
| Dilution factor for BTEX 500 | 7-Mar-02 | 1 | < | **140** | | 300 | | **10,000** | | **1,700** | | 1.3 |
| Dilution factor for BTEX 5000, for DEHP 20 | 5-Jun-02 | 2 | < | **1,100** | | **1,100** | | **92,000** | | **6,300** | < | **9.8** |
| Dilution factor for BTEX 5000, for DEHP 20 | 5-Jun-02 | 2 duplicate | < | **1,100** | | **1,300** | | **92,000** | | **6,900** | < | **9.4** |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | | 4.3 | J | 0.9 | < | 0.9 |
| | 18-Dec-03 | 4 resample | < | 0.2 | | 3.7 | | 240 | | 24 | < | 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 |
| Dilution factor for BTEX 500 | 26-Jul-05 | 3 | < | **100** | | **2,600** | | **100,000** | | **13,000** | < | 0.9 |
| | 27-Oct-05 | 4 | < | 0.2 | | 6.8 | | 140 | | 37 | < | 1 |
| Dilution factor for BTEX 100 | 28-Feb-06 | 1 | < | **20** | | 290 | | **19,000** | | **1,500** | < | 1 |
| Dilution factor for BTEX 20 | 20-Jun-06 | 2 | < | **4** | | 130 | | **4,000** | | 730 | < | 1 |
| Dilution factor for BTEX 100 | 13-Sep-06 | 3 | < | **20** | | 550 | | **25,000** | | **2,800** | < | 1.0 |
| Dilution factor for BTEX 100 | 8-Nov-06 | 4 | < | **20** | | 410 | | **22,000** | | **2,000** | | **9.0** |
| Dilution factor for BTEX 500 | 8-Feb-07 | 1 | < | **500** | | **2,100** | | **98,000** | | **10,000** | < | 1.0 |
| Dilution factor for BTEX 100, Toluene 1000 | 27-Jun-07 | 2 | < | **100** | | **1,700** | | **98,000** | | **8,200** | < | 1.0 |
| Dilution factor for BTEX 100, Toluene 500 | 12-Sep-07 | 3 | < | **100** | | **1,100** | | **67,000** | | **5,200** | | 1.4 |
| **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 | | 390 | | 47 | | **28** |
| | 5-Jun-02 | 2 | < | 0.22 | | 1.7 | | 13 | | 4.1 | | 2.3 |
| | 18-Nov-03 | 4 | < | 0.2 | < | 0.2 | J | 0.3 | < | 0.6 | J | **6** |
| | 17-Jun-04 | 2 | < | 0.2 | J | 0.4 | | 1.1 | | 1.2 | J | 3 |
| | 10-Aug-04 | 3 | < | 0.2 | | 4.6 | | 38 | | 18 | J | **4** |
| | 13-Jan-05 | 1 | < | 0.2 | | 4 | | 36 | | 14 | J | 1 |
| Lower Grab Water Sample | 9-Apr-05 | 2 | < | 0.2 | | 16 | | 160 | | 64 | < | 1 |
| Upper Grab Water Sample | 9-Apr-05 | 2 | < | 0.2 | | 11 | | 74 | | 37 | < | 1 |
| | 26-Jul-05 | 3 | < | 0.2 | | 3.6 | | 27 | | 14 | J | 2 |
| | 27-Oct-05 | 4 | < | 0.2 | | 5.4 | | 110 | | 25 | < | 0.9 |
| | 28-Feb-06 | 1 | < | 0.2 | | 5.8 | | 65 | | 23 | < | 1 |
| | 20-Jun-06 | 2 | < | 0.2 | | 1.7 | | 3.2 | | 5.0 | < | 1 |
| | 20-Jun-06 | 2 duplicate | < | 0.2 | | 1.7 | | 3.2 | | 4.9 | < | 1 |
| | 12-Sep-06 | 3 | < | 0.2 | J | 0.3 | | 1.0 | J | 0.9 | < | 1 |
| | 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 |

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

| MONITORING WELLS | SAMPLE DATE | QUARTER | Benzene | | Ethylbenzene | | Toluene | | Total Xylenes | | bis-2-Ethylhexylphthalate (DEHP) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ANALYTICAL PARAMETERS | | | | | | | | | |
| | | UNITS | ug/l | | ug/l | | ug/l | | ug/l | | ug/l | |
| | | SOLUBILITY LIMIT | 1,700,000 | | 152,000 | | 515,000 | | 175,000 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 1 | | 700 | | 1,000 | | 1,000 | | 3 | |
| **MW19-7** | | | | | | | | | | | | |
| Dilution factor for BTEX 50 | 15-Nov-99 | 4 | < | **16** | | 100 | | 51 | | **1,400** | < | **4.1** |
| Dilution factor for BTEX 2 | 1-Aug-01 | 3 | | **6.7** | | 6.6 | | 13 | | 680 | < | 0.4 |
| Dilution factor for BTEX 5 | 7-Mar-02 | 1 | | **3** | < | 1.3 | < | 1.3 | | 250 | | 1.6 |
| | 5-Jun-02 | 2 | | 0.48 | | 1.6 | | 27 | | 27 | < | 0.4 |
| | 19-Nov-03 | 4 | | **4.7** | J | 0.4 | J | 0.3 | | 460 | J | 1 |
| | 16-Jun-04 | 2 | J | **2.8** | | 130 | | **2,100** | | 630 | < | 1 |
| | 16-Jun-04 | 2 duplicate | J | **4** | | 130 | | **2,100** | | 610 | < | 1 |
| | 10-Aug-04 | 3 | | **2** | | 1.6 | | 1.3 | | 20 | < | 1 |
| Dilution factor for BTEX 2 | 12-Jan-05 | 1 | | **6.1** | | 90 | | 240 | | 760 | < | 1 |
| | 12-Jan-05 | 1 duplicate | | **2.9** | | 45 | | 120 | | 380 | < | 1 |
| Lower Grab Water Sample; Dilution factor for BTEX 25 | 7-Apr-05 | 2 | J | **9.5** | | 210 | | **2,700** | | **1,400** | < | 1 |
| 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 |
| 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 |
| Dilution factor for Total Xylenes 5 | 28-Feb-06 | 1 duplicate | | **7.5** | | 5.0 | J | 0.3 | | 840 | < | 0.9 |
| | 20-Jun-06 | 2 | | **6.5** | | 19.0 | J | 0.6 | | 550 | < | 1.0 |
| Dilution factor for Total Xylenes 5 | 12-Sep-06 | 3 | | **4.9** | | 33.0 | J | 0.3 | | 440 | < | 1.0 |
| | 8-Nov-06 | 4 | | **2.6** | < | 0.2 | < | 0.2 | | 26 | < | 0.9 |
| | 7-Feb-07 | 1 | | **2.6** | < | 1.0 | < | 5.0 | < | 3.0 | < | 1.0 |
| | 7-Feb-07 | 1 duplicate | | **2.6** | < | 1.0 | < | 5.0 | < | 3.0 | < | 1.0 |
| | 27-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | | 23.0 | < | 1.0 |
| | 11-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1.0 |
| **MW19-8** | | | | | | | | | | | | |
| Dilution factor for BTEX 50 | 15-Nov-99 | 4 | < | 0.31 | < | 0.38 | < | 0.34 | < | 0.4 | < | **4.1** |
| Dilution factor for BTEX 2 | 1-Aug-01 | 3 | | 0.5 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.4 |
| | 5-Jun-02 | 2 | < | 0.22 | < | 0.18 | < | 0.24 | < | 0.2 | < | 0.4 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 17-Jun-04 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 11-Aug-04 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 12-Jan-05 | 1 | < | 0.2 | J | 0.3 | < | 0.2 | < | 0.6 | < | 1 |
| | 11-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| **MW19-9D** | | | | | | | | | | | | |
| Dilution factor for BTEX 2 | 1-Aug-01 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.2 | | 0.5 |
| | 5-Jun-02 | 2 | < | 0.22 | < | 0.18 | < | 0.24 | < | 0.2 | | 1.9 |
| | 19-Nov-03 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 16-Jun-04 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 2 |
| | 10-Aug-04 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 13-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 11-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| **MW19-10** | | | | | | | | | | | | |
| | 17-Jun-04 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 11-Aug-04 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 11-Aug-04 | 3 duplicate | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 12-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Lower Grab Water Sample | 9-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Upper Grab Water Sample | 9-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |

# 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 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 1 | | 700 | | 1,000 | | 1,000 | | 3 | |
| **MW19-11** | | | | | | | | | | | | |
| | 13-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Lower Grab Water Sample | 7-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| Upper Grab Water Sample | 7-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| **MW19-12** | 21-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 12-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 7-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 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 |
| **GEI-2I** | | | | | | | | | | | | |
| | 24-Feb-95 | 1 | < | 0.3 | < | 0.3 | | 0.4 | < | 0.1 | | **27** |
| | 6-Jun-02 | 2 | < | 0.22 | < | 0.18 | < | 0.24 | < | 0.2 | | 1.4 |
| **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 |
| | 11-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1.0 |
| **MW-25R** | | | | | | | | | | | | |
| | 21-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 21-Jun-06 | 2 duplicate | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 13-Sep-06 | 3 | < | 0.2 | < | 0.2 | J | 0.5 | < | 0.6 | J | 1 |
| | 7-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 8-Feb-07 | 1 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 26-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 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 |
| **MW-27s** | | | | | | | | | | | | |
| | 22-Jun-06 | 2 | J | 0.6 | | 3.7 | | 3.9 | | 14.0 | J | 3 |
| | 11-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 2 |
| | 7-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 7-Feb-07 | 1 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 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 |
| **MW-28s** | | | | | | | | | | | | |
| Dilution factor for BTEX 5 | 21-Jun-06 | 2 | J | **1.6** | | 560 | < | 1.0 | | **1,400** | | **100** |
| Dilution factor for Xylene is 5, DEHP is 10 | 13-Sep-06 | 3 | J | 0.2 | | 210 | < | 0.2 | | 450 | | **570** |
| Dilution factor for Xylene is 5, DEHP is 10 | 13-Sep-06 | 3 duplicate | J | 0.3 | | 220 | < | 0.2 | | 470 | | **550** |
| Dilution factor for DEHP 10 | 7-Nov-06 | 4 | < | 0.2 | | 92 | < | 0.2 | | 180 | | **250** |
| Dilution factor for DEHP is 20 | 7-Feb-07 | 1 | < | 1.0 | | 70 | < | 5.0 | | 150 | | **260** |
| Dilution factor for DEHP is 20 | 7-Feb-07 | 1 duplicate | < | 1.0 | | 58 | < | 5.0 | | 130 | | **250** |
| | 27-Jun-07 | 2 | < | 1.0 | | 30 | < | 5.0 | | 56 | | **28** |
| Dilution factor for DEHP is 5 | 12-Sep-07 | 3 | < | 1.0 | | 17 | < | 5.0 | | 42 | | **49** |

# TABLE 2

THROUGH 3RD QUARTER 2007

## 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 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 1 | | 700 | | 1,000 | | 1,000 | | 3 | |
| **MW-28i** | | | | | | | | | | | | |
| Dilution factor for BTEX 5 | 22-Jun-06 | 2 | < | 1.0 | | 480 | < | 1.0 | | **1,300** | | **270** |
| Dilution factor for Xylene and DEHP is 5 | 13-Sep-06 | 3 | < | 0.2 | | 72 | J | 0.6 | | 520 | | **180** |
| | 7-Nov-06 | 4 | < | 0.2 | | 10 | < | 0.2 | | 14 | | **90** |
| Dilution 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** |
| **MW-29s** | | | | | | | | | | | | |
| | 22-Jun-06 | 2 | < | 0.2 | J | 0.2 | < | 0.2 | J | 0.6 | J | 1 |
| | 14-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1 |
| | 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 |
| | 27-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 11-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| **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 | | **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** |
| **MW-30i** | | | | | | | | | | | | |
| | 21-Jun-06 | 2 | J | 0.3 | | 38.0 | | 1.4 | | 170.0 | J | 2 |
| | 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 |
| | 8-Nov-06 | 4 duplicate | < | 0.2 | J | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 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 |
| **MW-30d** | | | | | | | | | | | | |
| | 21-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 3 |
| | 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 |
| **Atmospheric Blank** | 13-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 8-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 26-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 28-Feb-06 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 20-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 12-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 7-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 8-Feb-07 | 1 | < | 1.0 | < | 1.0 | J | 1.9 | < | 3.0 | < | 1 |
| | 27-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 11-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |

# 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 | | | |
| NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) | | | 1 | | 700 | | 1,000 | | 1,000 | | 3 | |
| | | | | | | | | | | | | |
| **Rinsate Blank** | 14-Jan-05 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 9-Apr-05 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Jul-05 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 27-Oct-05 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 28-Feb-06 | 1 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 21-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 22-Jun-06 | 2 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 13-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 14-Sep-06 | 3 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 9-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 9-Nov-06 | 4 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1 |
| | 8-Feb-07 | 1 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 8-Feb-07 | 1 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 27-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 27-Jun-07 | 2 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 10-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 12-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | 1 |
| | 12-Sep-07 | 3 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | | 1.1 |
| | | | | | | | | | | | | |
| **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 |
| | | | | | | | | | | | | |

**LEGEND**

ug/L = micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision

NA = Not Applicable

NS = Not Sampled

ND: No Detection

duplicate = Duplicate sample

Concentration exceeds NJGWQS: 1.2

B: Analyte also detected in blank

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

**NOTES**

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

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

# TABLE 3
## 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 | | 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 | 14.8 | 455 | 3.2 | ND | ND | 30.4 | 2.0 J | NS |
| | 3Q05 | 3 | 67.2 | 1070 | 0.04 | 1.3 | ND | 6 | 33 | NS |
| | 4Q05 | 120 | 23.2 | 620 | 0.56 | 0.88 | ND | 37.4 | 19 | NS |
| | 1Q06 | 25 | 35.6 | 559 | ND | ND | ND | 3.3 J | 140 | NS |
| | 2Q06 | 56 | 44.4 | 460 | ND | 0.43 J | ND | 3.2 J | 95 | ND |
| Dilution factor for Methane 5 | 3Q06 | 60 | 12.8 | 435 | ND | 0.43 J | ND | 5.3 | 310 | ND |
| Dilution factor for Methane 100 | 4Q06 | 20 | 16 | 411 | ND | ND | 0.11 | 2.9 J | 1700 | 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 | 0.11 | ND | 300 | ND |
| | | | | | | | | | | |
| MW-19-1 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 100 | ND | 725 | 1.4 | ND | ND | 32.4 | ND | NS |
| | 3Q04 | 49 | 3.2 J | 928 | 3.9 | ND | ND | 35.3 | ND | NS |
| | 1Q05 | 43 | ND | 404 | 2.1 | ND | ND | 27.9 | ND | NS |
| | 2Q05[L] | 410 | 16.4 | 1440 | 2.9 | ND | ND | 34.1 | ND | NS |
| | 2Q05[U] | 350 | 3.2 J | 1430 | 2.8 | ND | ND | 32.9 | ND | NS |
| | 3Q05 | 53 | 9.2 J | 1140 | 4.1 | ND | ND | 39 | ND | NS |
| Dilution factor for Nitrate 2 | 4Q05 | 240 | 12.4 | 659 | 4.6 | ND | ND | 44.2 | ND | NS |
| | | | | | | | | | | |
| MW-19-2 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 10 | 6.0 J | 704 | ND | ND | ND | 33.6 | 1600 | NS |
| | 3Q04 | 87 | 6.0 J | 916 | 0.87 | ND | ND | 23.9 | 280 | NS |
| | 1Q05 | 110 | 5.2 J | 568 | 0.093 J | 0.13 J | ND | 69.4 | 26 | NS |
| | 2Q05[L] | 160 | 11.6 J | 780 | 0.62 | 0.17 J | ND | 29.6 | ND | NS |
| | 2Q05[U] | 150 | ND | 750 | 0.64 | ND | ND | 29.3 | ND | NS |
| | 3Q05 | 8 | 3.2 J | 976 | 1 | 0.12 J | ND | 27.2 | 120 | NS |
| | 4Q05 | 220 | ND | 864 | 0.78 | ND | ND | 60.3 | 35 | NS |
| | 4Q05D | 92 | ND | 908 | 0.6 | ND | ND | 62.1 | 49 | NS |
| | | | | | | | | | | |
| 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 | 1,100 | 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 |
| | | | | | | | | | | |
| 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 | 0.10 | 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 |
| | | | | | | | | | | |
| 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 | 1,900 | 2.9 | ND | ND | 48 | 230 | ND |
| | 3Q07 | 100 | 2.6 | 820 | 2 | ND | ND | 40 | 68 | 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 | | NCS | NCS | 500 | NCS | NCS | NCS | 250 | NCS | .005[2] |
| | | | | | | | | | | |
| 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 | 10,000 | NS |
| Dilution factor for Methane 250 | 1Q05D | 77 | 7.2 J | **754** | 3.2 | ND | ND | 30.5 | 11,000 | NS |
| | 2Q05[L] | 32 | 54 | 472 | ND | 0.50 J | 0.45 | ND | 13,000 | NS |
| | 2Q05[U] | 41 | 48 | 481 | ND | 0.35 J | 0.32 | ND | 10,000 | NS |
| | 3Q05[L] | 17 | 45.6 | **1450** | ND | ND | 0.3 | 19.2 | 2,900 | NS |
| | 3Q05[U] | 17 | 31.6 | **1280** | 0.22 | 0.29 J | 0.1 | 25.7 | 1,600 | NS |
| Dilution factor for Methane 250 | 4Q05 | 16 | 32 | **926** | 0.16 | 0.5 | 0.23 | 8.9 | 7,700 | NS |
| | 1Q06 | 14 | 33.2 | **621** | ND | ND | 0.3 | 2.2 J | 10,000 | NS |
| | 1Q06D | 10 | 36.8 | **628** | ND | ND | 0.3 | 1.6 J | 10,000 | NS |
| Dilution factor for Methane 200 | 2Q06 | 68 | 16.8 | **655** | 0.87 | ND | 0.16 | 12.9 | 11,000 | ND |
| Dilution factor for Methane 100 | 3Q06 | 79 | 9.2 J | **799** | 2.1 | ND | 0.15 | 15.1 | 8,600 | ND |
| Dilution factor for Methane 100 | 4Q06 | 600 | 4.4 J | **568** | 3.4 | ND | ND | 31.3 | 5,600 | ND |
| Dilution factor for Methane 4 | 1Q07 | 38 | 18 | 420 | 0.59 | ND | 0.31 | 11 | 1,200 | ND |
| Dilution factor for Methane 5 | 1Q07D | 40 | 19 | 440 | 0.69 | ND | 0.31 | 12 | 1,300 | 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 |
| | | | | | | | | | | |
| MW-19-8 | 2Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 45 | 14.4 | **1120** | ND | ND | 0.15 | 22.8 | 79 | NS |
| | 3Q04 | 15 | 7.2 J | **573** | ND | 0.24 J | 0.12 | 11.5 | 790 | NS |
| Dilution factor for Methane 5 | 1Q05 | 91 | 25.2 | **1150** | ND | ND | 0.18 | 16.3 | 510 | NS |
| | 2Q05 | 270 | 20 | **796** | ND | ND | ND | 23.7 | 5.3 | NS |
| | 3Q05 | ND | 8.8 J | **876** | 0.33 | 0.26 J | ND | 20.3 | 74 | NS |
| | 4Q05 | 210 | 4.4 J | **926** | 0.88 | ND | ND | 24.6 | 24 | NS |
| | | | | | | | | | | |
| MW-19-9D | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 210 | 6.0 J | **621** | 0.14 | 0.33 J | ND | 18.2 | 1300 | NS |
| | 3Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 1Q05 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q05 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 3Q05 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 4Q05 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | | | | | | | |
| MW-19-10 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 34 | 6.8 J | **563** | ND | ND | ND | 18 | 2.6 J | NS |
| | 3Q04 | 18 | 10.4 J | **908** | ND | ND | ND | 19.2 | 3.3 J | NS |
| | 3Q04D | 22 | 10.8 J | **890** | ND | 0.24 J | ND | 17.9 | 2.9 J | NS |
| | 1Q05 | 29 | 5.2 J | **625** | ND | ND | ND | 16.9 | 74 | NS |
| | 2Q05[L] | 170 | 32.4 | **653** | ND | ND | ND | 18.1 | 48 | NS |
| | 2Q05[U] | 93 | 32 | **691** | ND | 0.12 J | ND | 18.3 | 48 | NS |
| | 3Q05 | 26 | 10.4 J | **560** | ND | ND | ND | 16 | ND | NS |
| | 4Q05 | 56 | 17.2 | **654** | ND | ND | ND | 15.3 | 3.2 J | NS |
| | | | | | | | | | | |
| MW-19-11 | 1Q05 | 940 | 4.8 J | **4750** | 2.2 | ND | ND | 65.6 | 9.9 | NS |
| | 2Q05[L] | NS | 64 | **731** | ND | 0.42 J | ND | 18 | 930 | NS |
| | 2Q05[U] | 14 | 27.2 | **740** | ND | ND | ND | 17.2 | 1,200 | NS |
| | 3Q05 | 63 | 106 | **555** | ND | ND | 0.11 | 21.5 | 26 | NS |
| Dilution factor for Methane 10 | 4Q05 | 80 | 15.2 | **854** | ND | 0.32 J | ND | 25.5 | 440 | NS |
| | | | | | | | | | | |
| 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 |

# 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 | | NCS | NCS | 500 | NCS | NCS | NCS | 250 | NCS | .005[2] |
| | | | | | | | | | | |
| **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 |
| | | | | | | | | | | |
| **MW-27s** | 2Q06 | NR | 5,180 | **630** | ND | 0.26 J | 4.8 | 43.3 | 20 | ND |
| | 3Q06 | >5700 | 3,850 | **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 |
| | | | | | | | | | | |
| **MW-28s** | 2Q06 | 6 | 35.2 | 350 | ND | 0.35 J | 0.25 | 2.6 J | 3,100 | ND |
| Dilution factor for Methane 200 | 3Q06 | 1,300 | 22.4 | 460 | ND | 0.26 J | 0.37 | ND | 3,200 | ND |
| Dilution factor for Methane 200 | 3Q06D | 1,500 | 21.6 | 468 | ND | ND | 0.37 | 1.7J | 3,100 | ND |
| Dilution factor for Methane 100 | 4Q06 | 1 | 24.8 | 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 |
| | | | | | | | | | | |
| **MW-28I** | | | | | | | | | | |
| Dilution factor for Methane 10 | 2Q06 | 290 | 28 | 367 | 0.047 J | ND | 0.22 | 2.2 J | 1,900 | ND |
| Dilution factor for Methane 100 | 3Q06 | >5,700 | 42.8 | 338 | ND | ND | 0.19 | 3.5 J | 1,500 | ND |
| Dilution factor for Methane 100 | 4Q06 | 440 | 15.6 | 335 | ND | ND | 0.22 | 3.0 J | 1,500 | 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 |
| | | | | | | | | | | |
| **MW-29s** | 2Q06 | 250 | 58.8 | **504** | ND | 11.9 | 0.45 | 4.0 J | 1,200 | ND |
| Dilution factor for Methane 250 | 3Q06 | >5700 | 54 | **546** | ND | 9.9 | 0.32 | 1.9 J | 5,000 | ND |
| Dilution factor for Methane 100 | 4Q06 | 190 | 35.6 | **509** | ND | 8.3 | 0.29 | 3.9 J | 5,200 | 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 | 1,000 | ND |
| Dilution factor for Methane 10 | 3Q07 | 1900 | 54 | **520** | ND | 8.1 | 0.4 | ND | 2,500 | ND |
| | | | | | | | | | | |
| **MW-30s** | 2Q06 | 2200 | 75.6 | 348 | ND | 0.86 | 0.17 | 5.2 | 3,800 | ND |
| Dilution factor for Methane 200 | 3Q06 | >5700 | 132 | 457 | ND | 0.89 | 0.32 | ND | 2,500 | ND |
| Dilution factor for Methane 100 | 4Q06 | >5700 | 147 | 448 | ND | 1.1 | 0.24 | 5.5 | 6,500 | ND |
| Dilution factor for Methane 10 | 2Q07 | >5700 | 650 | 350 | ND | 0.94 | 1.6 | ND | 1,800 | ND |
| Dilution factor for Methane 4 | 3Q07 | >5700 | 220 | 440 | ND | 1 | 0.34 | ND | 1,700 | ND |
| Dilution factor for Methane 4 | 3Q07D | >5700 | 180 | 400 | ND | 1.1 | 0.33 | ND | 1,500 | ND |
| | | | | | | | | | | |
| **MW-30I** | 2Q06 | >5700 | 18.8 | 369 | ND | 1.8 | 0.15 | 8.2 | 1,100 | ND |
| Dilution factor for Methane 100 | 3Q06 | 290 | 41.6 | 414 | ND | 0.83 | 0.23 | 3.2 J | 1,200 | 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 |
| | | | | | | | | | | |
| **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 |
| | | | | | | | | | | |
| **GEI-2S** | 3Q07 | 66 | 8 | 460 | 2.20 | ND | ND | 25 | 490 | ND |
| | | | | | | | | | | |
| **Atmospheric Blank** | 1Q05 | > 5700 | ND | ND | ND | ND | ND | ND | ND | NS |
| | 4Q05 | 5 | ND | 10.0 J | ND | ND | ND | 0.30 J | ND | NS |
| | 1Q06 | 2 | ND | ND | ND | ND | ND | ND | ND | NS |
| | 2Q06 | 38 | ND | ND | ND | ND | ND | 1.5 J | ND | ND* |
| | 3Q06 | ND | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 4Q06 | ND | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 1Q07 | 1 | ND | ND | ND | ND | ND | ND | 22 | ND |
| | 2Q07 | ND | ND | 19 | ND | ND | ND | ND | ND | ND |
| | 3Q07 | ND | ND | ND | ND | ND | ND | ND | ND | ND |

# 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 | | NCS | NCS | 500 | NCS | NCS | NCS | 250 | NCS | .005[2] |
| | | | | | | | | | | |
| Rinsate Blank | 1Q05 | 36 | ND | ND | ND | ND | ND | ND | ND | NS |
| | 3Q05 | ND | ND | ND | ND | ND | ND | ND | ND | NS |
| | 4Q05 | ND | ND | ND | ND | ND | ND | ND | ND | NS |
| | 1Q06 | ND | ND | ND | ND | ND | ND | ND | ND | NS |
| | 2Q06 | 120 | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 2Q06 | 250 | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 3Q06 | 45 | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 3Q06 | 84 | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 4Q06 | 56 | ND | ND | ND | ND | ND | ND | ND | ND* |
| | 1Q07 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1Q07 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2Q07 | 1 | ND | 2.5 | ND | ND | ND | ND | ND | ND |
| | 2Q07 | 2 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3Q07 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3Q07 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | | |

**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 have a dilution factor of 5, except for blank samples or unless otherwise noted. Starting 1Q07, there is 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

ND = Not Detected

L Lower Grab Sample

U Upper Grab Sample

* Total Lead

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

| Well ID | Event | DO (mg/L) | pH | ORP (mV) | Conductivity (uS/cm) | Turbidity (NTU) | Temperature (°C) | Ferrous Iron (ppm) | Alkalinity (ppm) | CO2 (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-19 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 10.97 | 7.23 | 24 | 890 | 2 | 13.94 | NM | 160 | 70 |
| | 3Q04 | 0.1 | 7.62 | -10 | 1179 | 2 | 16.18 | <10 | 200 | 95 |
| | 1Q05 | 0.2 | 7.67 | 100 | 590 | 5 | 11.82 | 9 | 241(1) | 121 |
| | 2Q05L | 1 | 7.84 | NM | 734 | 10 | 8.6 | 0.3 | 30 | <10 |
| | 2Q05U | 1 | 7.69 | NM | 760 | 10 | 8.46 | 0.4 | 29 | <10 |
| | 3Q05 | 1 | 7.03 | 185 | 1920 | 9 | 15.86 | >10 | 110 | 60 |
| | 4Q05 | 5.34 | 6.47 | 87 | 1005 | 4 | 15.01 | >10 | 110 | 18 |
| | 1Q06 | 3.53 | 6.59 | -50 | 978 | 13 | 8.72 | >10 | 11 | >100 |
| | 2Q06 | 4.92 | 7.66 | -43 | 905 | 9 | 13.98 | >10 | 225 | 60 |
| | 3Q06 | 0.34 | 7.08 | -24 | 761 | 5 | 16.2 | 18 | 100 | 90 |
| | 4Q06 | 0.08 | 6.53 | -76.7 | 579 | 7 | 15.36 | >10 | 275 | 70 |
| | 1Q07 | 0.15 | 6.59 | -90.3 | 444 | 5 | 10.38 | 20 | 250 | 35 |
| | 2Q07 | 0.05 | 6.69 | -56 | 1640 | 2.5 | 13.7 | >20 | 100 | 120 |
| | 3Q07 | 0.1 | 6.59 | -94 | 1201 | 2 | 17.05 | >20 | 200 | 80 |
| | | | | | | | | | | |
| MW-19-1 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 13.9 | 7.22 | 180 | 1373 | 10 | 13.9 | NM | 125 | 17 |
| | 3Q04 | 1 | 7.50 | 80 | 1910 | 10 | 18.49 | 0.2 | 90 | 28 |
| | 1Q05 | 1 | 7.80 | 213 | 676 | 10 | 11.49 | 0 | 152(1) | 30 |
| | 2Q05L | 0.8 | 7.60 | NM | 2540 | 22 | 9.15 | 0.2 | 75 | <10 |
| | 2Q05U | 1 | 7.67 | NM | 2540 | 10 | 8.5 | 0.1 | 90 | <10 |
| | 3Q05 | 1 | 7.22 | 208 | 2260 | 20 | 15.23 | 0.1 | 100 | 10 |
| | 4Q05 | 6.54 | 7.06 | 291 | 1149 | 36 | 16.70 | 0.1 | 45 | <10 |
| | | | | | | | | | | |
| MW-19-2 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 4.45 | 7.30 | 83 | 1199 | 6 | 13.97 | NM | 210 | 60 |
| | 3Q04 | 5 | 7.45 | 59 | 1830 | 9 | 16.97 | 2 | 130 | 15.5 |
| | 1Q05 | 1 | 7.30 | 249 | 825 | 10 | 11.02 | 0 | 395(1) | 63 |
| | 2Q05L | 0.8 | 7.80 | NM | 1312 | 29 | 7.76 | 0.1 | 100 | <10 |
| | 2Q05U | 0.8 | 7.76 | NM | 1316 | 10 | 8.00 | 0.1 | 100 | 10 |
| | 3Q05 | 1 | 7.59 | 204 | 1980 | 3 | 14.87 | 1 | 100 | 10 |
| | 4Q05 | 4.75 | 6.79 | 290 | 1442 | 1 | 16.50 | 0.2 | 105 | 15.5 |
| | | | | | | | | | | |
| 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 |
| | | | | | | | | | | |
| 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 |
| | | | | | | | | | | |
| MW-19-6 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 5.48 | 6.86 | 56 | 2640 | 10 | 15.24 | NM | 80 | 33 |
| | 3Q04 | 1 | 7.43 | 83 | 2490 | 4 | 16.61 | 0.4 | 125 | 20 |
| | 1Q05 | 1 | 7.73 | 241 | 867 | 12 | 11.79 | 0 | 204(1) | 41 |
| | 2Q05L | 1 | 7.50 | NM | 1870 | 27 | 10.64 | 0.1 | 75 | 15 |
| | 2Q05U | 1 | 7.48 | NM | 1790 | 2 | 9.89 | 1 | 80 | 20 |
| | 3Q05 | 1 | 7.28 | 191 | 3030 | 36 | 15.2 | 0.4 | 70 | 20 |
| | 4Q05 | 5.39 | 5.86 | 307 | 1550 | 9 | 14.76 | 0 | 80 | 10.5 |
| | 1Q06 | 3.71 | 6.60 | 237 | 1116 | 4 | 9.93 | 0 | 12 | >100 |
| | 2Q06 | 6.61 | 7.53 | 35 | 1520 | 5 | 13.51 | 0.2 | 125 | 23 |
| | 3Q06 | 4.48 | 7.44 | 162 | 1249 | 9 | 16.11 | 0 | 100 | 24 |
| | 4Q06 | 4.7 | 7.47 | 207 | 941 | 8 | 15.45 | 0 | 70 | 40 |
| | 1Q07 | 1.16 | 6.82 | 69.5 | 602 | 8 | 11.38 | 0.2 | 90 | 16 |
| | 2Q07 | 1 | 6.69 | -35 | 2720 | 5.6 | 14.36 | 0.1 | 140 | 50 |
| | 3Q07 | 0.8 | 7.16 | 12 | 1458 | 4 | 17.3 | 0.6 | 160 | 42 |

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

| Well ID | Event | DO (mg/L) | pH | ORP (mV) | Conductivity (uS/cm) | Turbidity (NTU) | Temperature (°C) | Ferrous Iron (ppm) | Alkalinity (ppm) | CO2 (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-19-7 | 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 |
| MW-19-8 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 3.98 | 6.9 | -24 | 2010 | 10 | 15.69 | NM | 125 | 30 |
| | 3Q04 | 0.4 | 7.52 | 48 | 1093 | 7 | 18.29 | 2 | 100 | 19 |
| | 1Q05 | 0.3 | 7.06 | 161 | 177 | 16 | 12.92 | 10 | 142(1) | 28 |
| | 2Q05 | 0.8 | 7.92 | NM | 1510 | 47 | 10.82 | 6 | 70 | 19 |
| | 3Q05 | 0 | 7.07 | 147 | 1820 | 2 | 18.86 | 3 | 80 | 19 |
| | 4Q05 | 6.74 | 6.10 | 330 | 1460 | 5 | 17.19 | 3 | 85 | 20 |
| MW-19-9D | 1Q04 | NS | NS | NS | NS | NS | NS | ** | ** | ** |
| | 2Q04 | 3.03 | 7.11 | -28 | 480 | 63 | 14.64 | ** | ** | ** |
| | 3Q04 | 0.2 | 7.40 | 8 | 545 | 35 | 15.7 | ** | ** | ** |
| | 1Q05 | 1.5 | 7.14 | 193 | 871 | 267 | 11.58 | ** | ** | ** |
| | 2Q05 | 0.05 | 7.91 | NM | 471 | 70 | 12.12 | ** | ** | ** |
| | 3Q05 | 0 | 7.35 | 189 | 552 | 2 | 16.4 | ** | ** | ** |
| | 4Q05 | 0.94 | 5.78 | -91 | 465 | 1 | 13.96 | ** | ** | ** |
| MW-19-10 | 1Q04 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 2Q04 | 3.82 | 6.78 | 85 | 1050 | 7 | 13.94 | NM | 80 | 25 |
| | 3Q04 | 0.1 | 7.35 | 107 | 1498 | 11 | 15.56 | 1.5 | 65 | 20 |
| | 1Q05 | 0.15 | 7.25 | 285 | 1039 | 28 | 13.19 | 2 | 127(1) | 20 |
| | 2Q05L | 0.8 | 7.47 | NM | 1209 | 52 | 12.18 | 0.4 | 70 | 13 |
| | 2Q05U | 1 | 7.48 | NM | 1282 | 41 | 11.18 | 1 | 75 | 13 |
| | 3Q05 | 1 | 7.62 | 212 | 1148 | 18 | 16.47 | 0.6 | 70 | 13 |
| | 4Q05 | 9.89 | 6.73 | 229 | 1167 | 39 | 15.00 | 1 | 60 | 10 |
| MW-19-11 | 1Q05 | 1.5 | 7.01 | 215 | 740 | 8 | 10.3 | 0 | 205(1) | 65 |
| | 2Q05L | 0.8 | 7.88 | NM | 1424 | 38 | 12.18 | 4 | 110 | 17 |
| | 2Q05U | 0.8 | 7.80 | NM | 1442 | 10 | 12.12 | 4 | 90 | 15 |
| | 3Q05 | 1 | 7.72 | 209 | 1155 | 77 | 16.63 | 1 | 80 | 12.5 |
| | 4Q05 | 2.5 | 6.51 | 271 | 1470 | 10 | 15.86 | 0.4 | 85 | 15 |
| 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 |
| 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 |
| 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 |
| 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 |

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

| Well ID | Event | DO (mg/L) | pH | ORP (mV) | Conductivity (uS/cm) | Turbidity (NTU) | Temperature (°C) | Ferrous Iron (ppm) | Alkalinity (ppm) | CO2 (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| **MW-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 |
| | | | | | | | | | | |
| **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 |
| | | | | | | | | | | |
| **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 |
| | | | | | | | | | | |
| **MW-30i** | 2Q06 | 0.33 | 7.70 | -194 | 687 | 8 | 15.22 | 5.5 | 75 | 19 |
| | 3Q06 | 0.43 | 7.52 | -63 | 777 | 9 | 17.13 | 18 | 180 | 32 |
| | 4Q06 | 0.2 | 7.16 | -144.2 | 827 | 42 | 14.2 | >10 | >1000 | 45 |
| | 1Q07 | NS-frozen | NS-frozen | NS-frozen | NS-frozen | NS-frozen | NS-frozen | NS-frozen | NS-frozen | NS-frozen |
| | 2Q07 | 0.33 | 6.99 | -146.8 | 486 | 41 | 15.23 | >20 | 145 | 25 |
| | 3Q07 | 0.4 | 7.08 | -19.8 | 661 | NM-mtr broke | 17.07 | >20 | 200 | 29 |
| | | | | | | | | | | |
| **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 |
| | | | | | | | | | | |
| **GEI-2S** | 3Q07 | 0.6 | 6.47 | -29.8 | 586 | 15 | 15.28 | 0 | 150 | 30 |

**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 | |
| NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) | | | 0.15 | | 3,030 | | 7,440 | | NCS | | 1.76 | |
| **SW-D-1** | | | | | | | | | | | | |
| | 8-Apr-05 | 2Q05 | < | 0.2* | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 26-Jul-05 | 3Q05 | < | 0.2 | < | 0.2 | J | 0.5 | < | 0.6 | < | 1.0 |
| | 26-Oct-05 | 4Q05 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 27-Feb-06 | 1Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | **2.0** |
| | 19-Jun-06 | 2Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 11-Sep-06 | 3Q06 | < | 0.2 | < | 0.2 | J | 0.2 | < | 0.6 | J | **11.0** |
| | 9-Nov-06 | 4Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 7-Feb-07 | 1Q07 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | | **10.0** |
| | 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** |
| | | | | | | | | | | | | |
| **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** |
| | | | | | | | | | | | | |
| **SW-D-3** | | | | | | | | | | | | |
| | 8-Apr-05 | 2Q05 | < | 0.2 | | 21.0 | < | 0.2 | | 79.0 | J | **2.0** |
| | 26-Jul-05 | 3Q05 | < | 0.2 | < | 0.2 | < | 0.2 | J | 1.1 | J | **7.0** |
| | 26-Oct-05 | 4Q05 | < | 0.2 | J | 0.4 | < | 0.2 | J | 1.4 | < | 1.0 |
| | 27-Feb-06 | 1Q06 | < | 0.2 | | 1.1 | < | 0.2 | | 3.9 | J | **6.0** |
| | 19-Jun-06 | 2Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | **3.0** |
| | 11-Sep-06 | 3Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | 1.0 |
| | 11-Sep-06 | 3Q06D | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | J | **3.0** |
| | 9-Nov-06 | 4Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 7-Feb-07 | 1Q07 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | J | **3.4** |
| | 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 |
| | | | | | | | | | | | | |
| **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 |
| | | | | | | | | | | | | |

# 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 | |
| NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) | | | 0.15 | | 3,030 | | 7,440 | | NCS | | 1.76 | |
| **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 | < | **10.0** |
| | 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** |
| | | | | | | | | | | | | |
| **DRC-1** | | | | | | | | | | | | |
| | 20-Jun-06 | 2Q06 | < | 0.2 | < | 0.2 | < | 0.2 | J | 1.2 | < | 0.9 |
| | | | | | | | | | | | | |
| **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 | < | **10.0** |
| | 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 |
| | | | | | | | | | | | | |
| **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 | < | **10.0** |
| | 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 |
| | | | | | | | | | | | | |
| **SW-R-2** | | | | | | | | | | | | |
| | 20-Apr-05 | 2Q05 | | NS | | NS | | NS | | NS | | NS |
| | 25-Jul-05 | 3Q05 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 27-Oct-05 | 4Q05 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 27-Feb-06 | 1Q06 | < | 0.2 | J | 0.5 | < | 0.2 | J | 2.3 | < | 1.0 |
| | 19-Jun-06 | 2Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 11-Sep-06 | 3Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 6-Nov-06 | 4Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 6-Nov-06 | 4Q06D | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 6-Feb-07 | 1Q07 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | **10.0** |
| | 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 |
| | | | | | | | | | | | | |

# 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 | |
| NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) | | | 0.15 | | 3,030 | | 7,440 | | NCS | | 1.76 | |
| **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 | J | 1.1 | < | 3.0 | < | **10.0** |
| | 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** |
| | | | | | | | | | | | | |
| **SW-R-4** | | | | | | | | | | | | |
| | 20-Apr-05 | 2Q05 | | NS | | NS | | NS | | NS | | NS |
| | 25-Jul-05 | 3Q05 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 27-Feb-06 | 1Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 19-Jun-06 | 2Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 11-Sep-06 | 3Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 1.0 |
| | 6-Nov-06 | 4Q06 | < | 0.2 | < | 0.2 | < | 0.2 | < | 0.6 | < | 0.9 |
| | 6-Feb-07 | 1Q07 | < | 1.0 | < | 1.0 | < | 5.0 | < | 3.0 | < | **10.0** |
| | 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** |
| | | | | | | | | | | | | |
| **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 | J | 0.4 | < | 3.0 | < | **10.0** |
| | 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 |
| | | | | | | | | | | | | |
| **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 | < | **10.0** |
| | 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 |

# 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 |
| NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) | | | 0.15 | 3,030 | 7,440 | NCS | 1.76 |

**LEGEND**

ug/L = micrograms per liter

NCS: No Criteria Specified

NS = Not Sampled

duplicate = Duplicate sample

Concentration exceeds NJSWQS **38.0**

B: Analyte also detected in blank

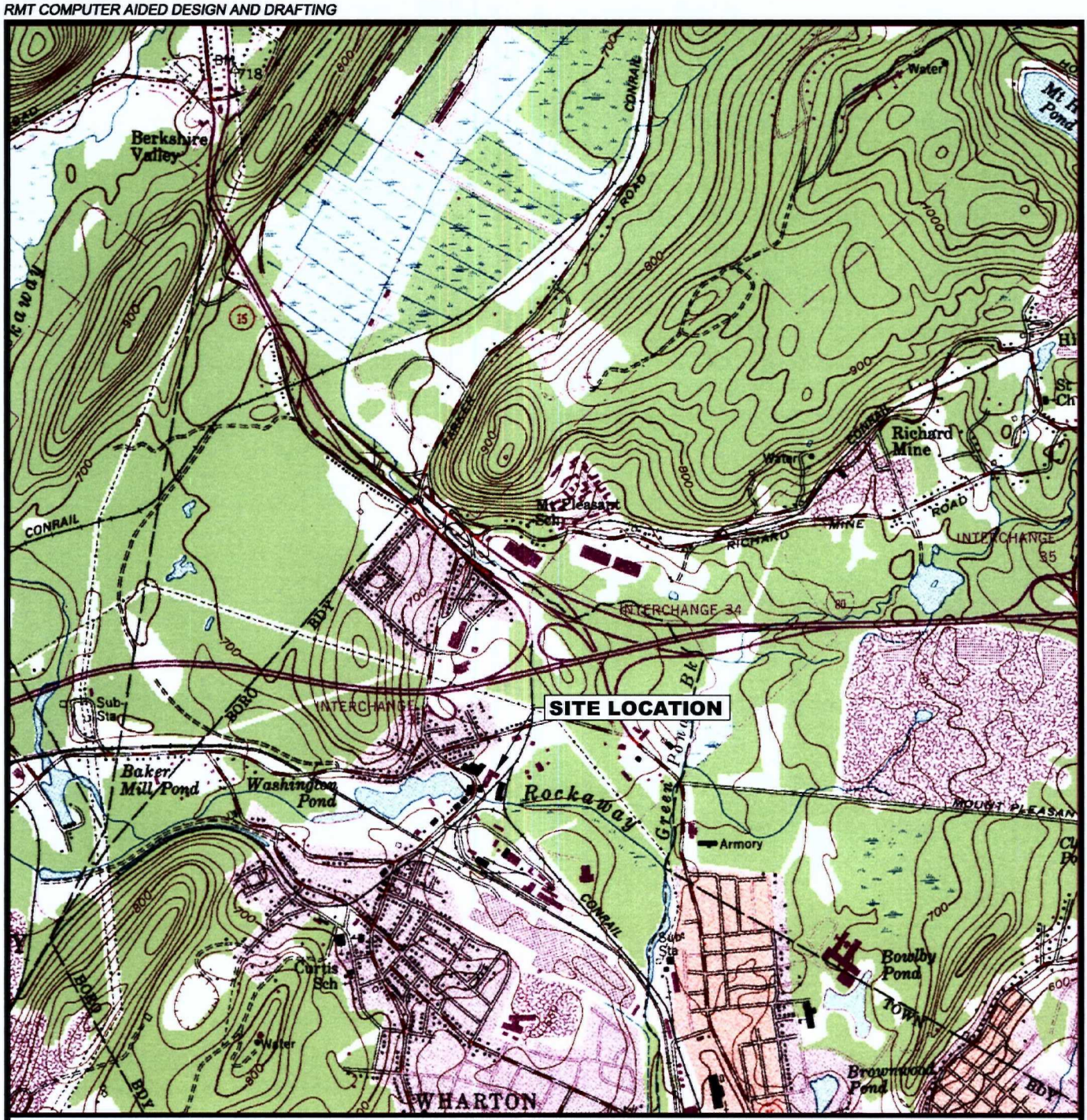
J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

* = 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 w

# Figures

RMT COMPUTER AIDED DESIGN AND DRAFTING




NEW JERSEY

QUADRANGLE LOCATION

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 INC.

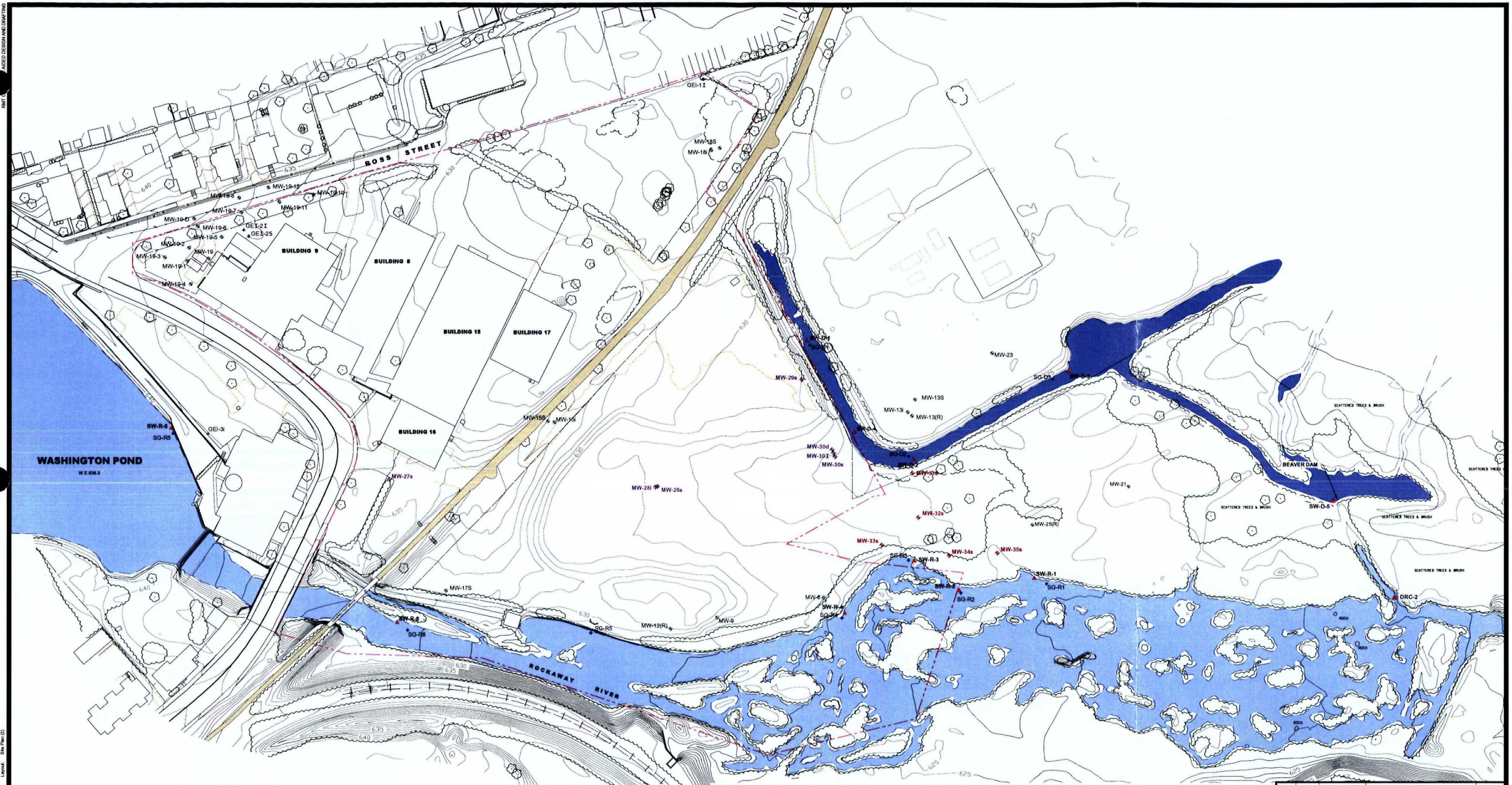
**LE CARPENTER**
**WHARTON, NEW JERSEY**

**SITE LOCATION MAP**

| | |
|---|---|
| DRAWN BY: | SL |
| APPROVED BY: | JO |
| PROJECT NUMBER: | 6527.24 |
| FILE NUMBER: | 6527.24.21.DWG |
| DATE: | October 2007 |

**FIGURE 1**

PLOT DATA
Drawing Name: J:\06527\24\6527.24.21.dwg
Operator Name: lucidos
Scale: 1"=2000'
Dwg Size: 94753 Bytes
Plot Date: October 2007
Plot Time: 09:58.0163 AM
Attached Xrefs: No xref's Attached.




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-25(R) — MONITORING WELL LOCATION AND NUMBER
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION
- MW-29s — INSTALLED NON-WETLAND MONITORING WELL LOCATION AND NUMBER (JUNE 2006) (s = shallow, i = intermediate, d = deep)
- MW-31s — PROPOSED WETLAND MONITORING WELL LOCATION AND NUMBER (s = shallow)
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY:JAMES M STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03 DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES

N

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

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

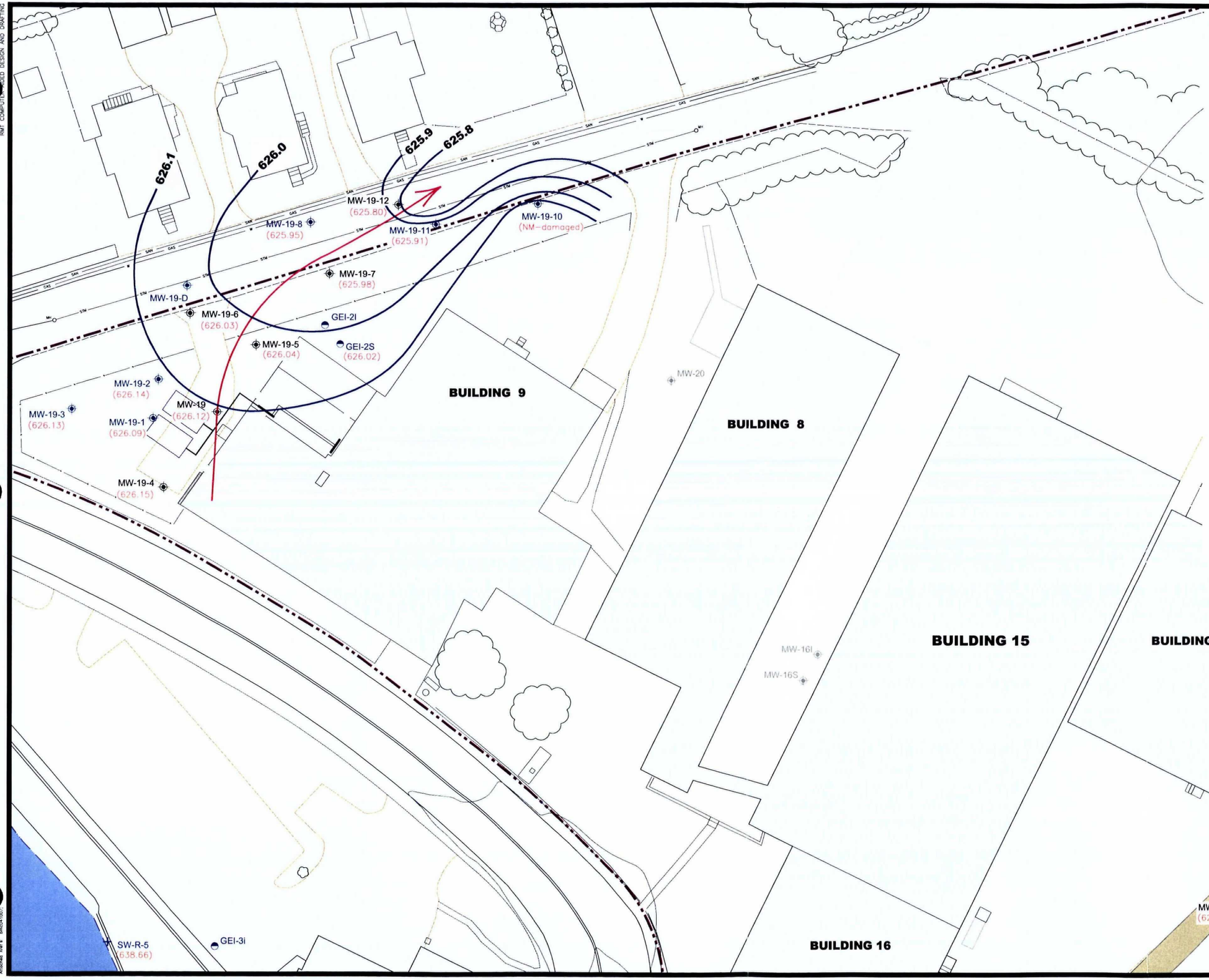
**L.E. CARPENTER**
**WHARTON, NEW JERSEY**

**SITE PLAN WITH SAMPLE LOCATIONS**

| | | | |
|---|---|---|---|
| DRAWN BY: SL | DRAWING SCALE: | PROJECT NO. | J:\06527\24 |
| CHECKED BY: JD | SHOWN | FILE NO. | 6527 24.22 dwg |
| APPROVED BY: JD | DATE PRINTED: | | |
| DATE: October 2007 | | | **FIGURE 2** |

RMT INC
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\24\6527 24.22.dwg
Drawing Number: L-06527-05
Drawing Plot Scale: 1:40
Dwg Size: 0.19 Mb
Plot Date: November 7, 2007
Plot Time: 9:56 AM
Layout: Site Plan (2)




## LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 (626.90) — WELLS SAMPLED DURING THIRD QUARTER 2007 AND SHOWING SHALLOW WATER LEVEL ELEVATION
- MW-19-11 — WELL WITH MEASURED WATER ELEVATION ONLY
- 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 SEPTEMBER 10, 2007.
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.

N

0 20' 40' 60' 80'

SCALE IN FEET

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

**L.E. CARPENTER**
**WHARTON, NEW JERSEY**

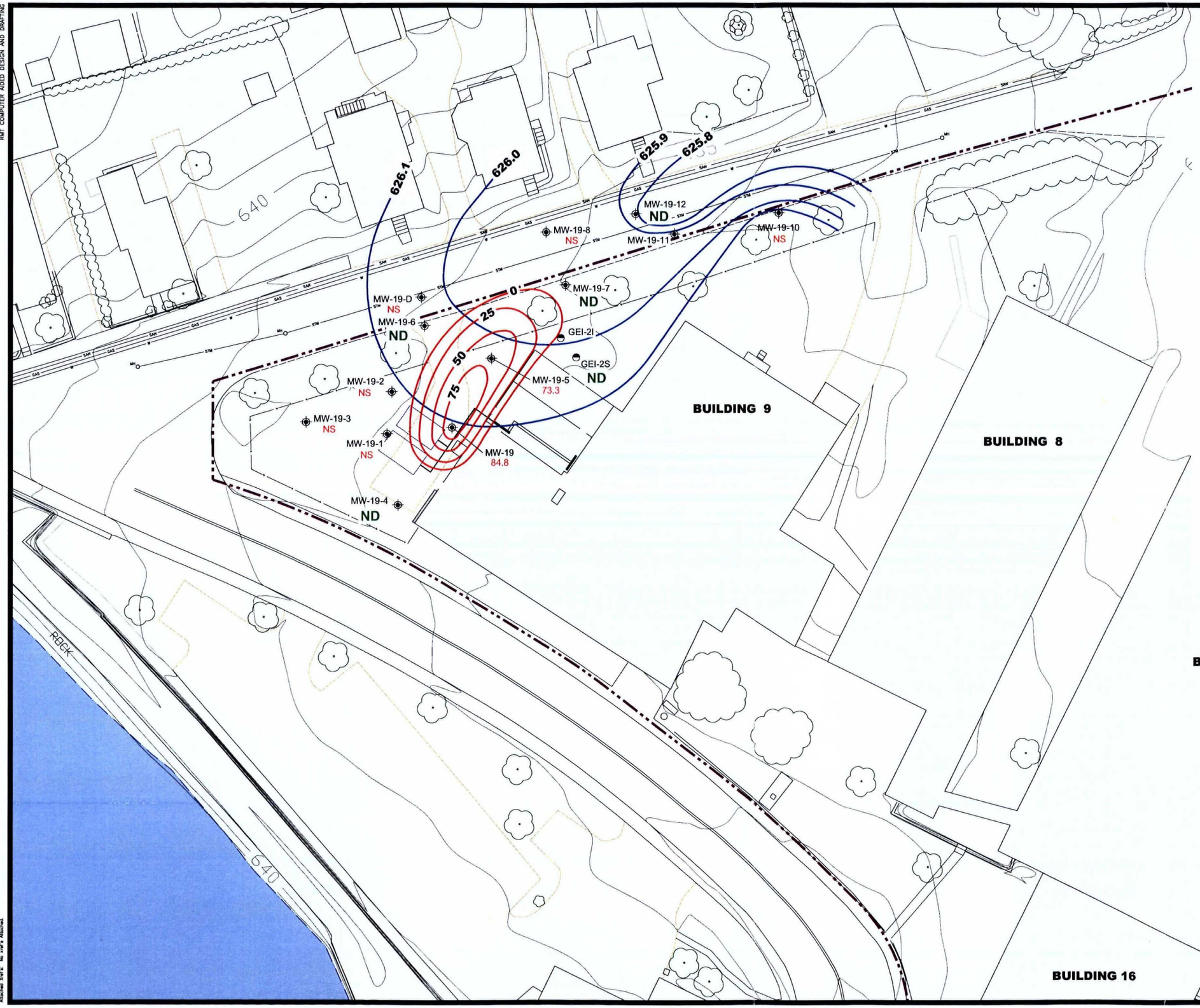
**MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP**
**3rd QUARTER 2007**

| | | | |
|---|---|---|---|
| DRAWN BY: SL | SCALE: | PROJECT NO. 6527.24 | |
| CHECKED BY: JO | SHOWN | FILE NO. 6527.24.23.DWG | |
| APPROVED BY: JD | DATE PRINTED: | **FIGURE 3** | |
| DATE: OCTOBER 2007 | | | |

RMT INC.
3754 Ranchero Drive
Ann Arbor, MI 48108-2771
PHONE: 734-971-7080
FAX: 734-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING

PLOT DATA
Drawing Name: J:\06527\24\6527-24-23.dwg
Operator: Jim Stewart
Scale: 1=40'
Plot Time: 11:40:32 By
Plot Date: Thursday, 2007
Plot Device: Plot Group
Attached Tref's: bmc24.tbl001




## LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 0.576 — MONITORING WELL WITH CORRESPONDING TOTAL DISSOLVED BTEX CONCENTRATION IN PPM (mg/L)
- 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

## 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.

N

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

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

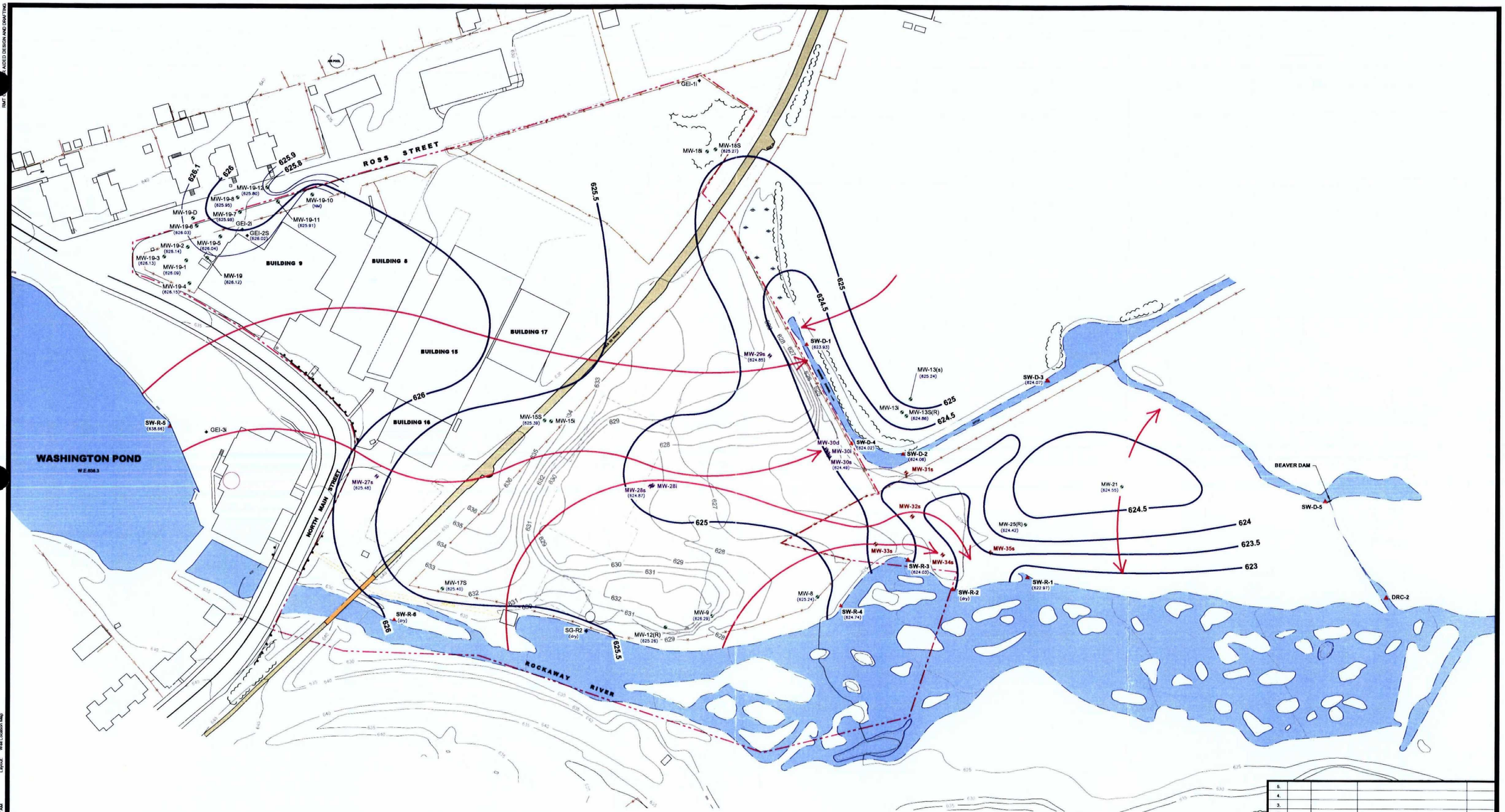
**L.E. CARPENTER**
**WHARTON, NEW JERSEY**

**MW-19 / HOT SPOT 1 SHALLOW AQUIFER ISOCONCENTRATION MAP**
**3rd QUARTER 2007**

| | | | |
|---|---|---|---|
| DRAWN BY: | SL | SCALE: | PROJECT NO. 6527.24 |
| CHECKED BY: | JO | SHOWN | FILE NO. 6527.24.04.DWG |
| APPROVED BY: | NC | DATE PRINTED: | **FIGURE 4** |
| DATE: | OCTOBER 2007 | | |

RMT INC.
3754 Ranchero Drive
Ann Arbor, MI 48108
PHONE: 313-971-7080
FAX: 313-971-9022

RMT COMPUTER AIDED DESIGN AND DRAFTING




## LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-25(R) — MONITORING WELL LOCATION AND NUMBER
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION
- 632 — POST-REMEDIATION GROUND SURFACE ELEVATIONS
- MW-29s — INSTALLED NON-WETLAND MONITORING WELL LOCATION AND NUMBER (JUNE 2006) (s = shallow, i = intermediate, d = deep)
- MW-31s — PROPOSED WETLAND MONITORING WELL LOCATION AND NUMBER (s = shallow)
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

## NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03 DWG, DATED 02-14-02.

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**

| | | | |
|---|---|---|---|
| DRAWN BY: SL | DRAWING SCALE: | PROJECT NO. | J:\0652\724 |
| CHECKED BY: EV,JO | SHOWN | FILE NO. | 6527 24 25.dwg |
| APPROVED BY: JO | DATE PRINTED: | **FIGURE 5** | |
| DATE: October 2007 | | | |

RMT INC.
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:\0652\724\6527 24 25.dwg
Operator Name: LUCIDOS
Drawing Plot Scale: 1:40
Drawing Size: 0.81 MB
Plot Date: November 7, 2007
Plot Time: 8:52 AM
Layout: Wall Location Map

# Appendix A
# Report Certification

# REPORT CERTIFICATION
# PURSUANT TO N.J.A.C. 7:26E-1.5

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement, which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties."

Mr. Cristopher R. Anderson
PRINTED NAME

Director, Environmental Services
TITLE

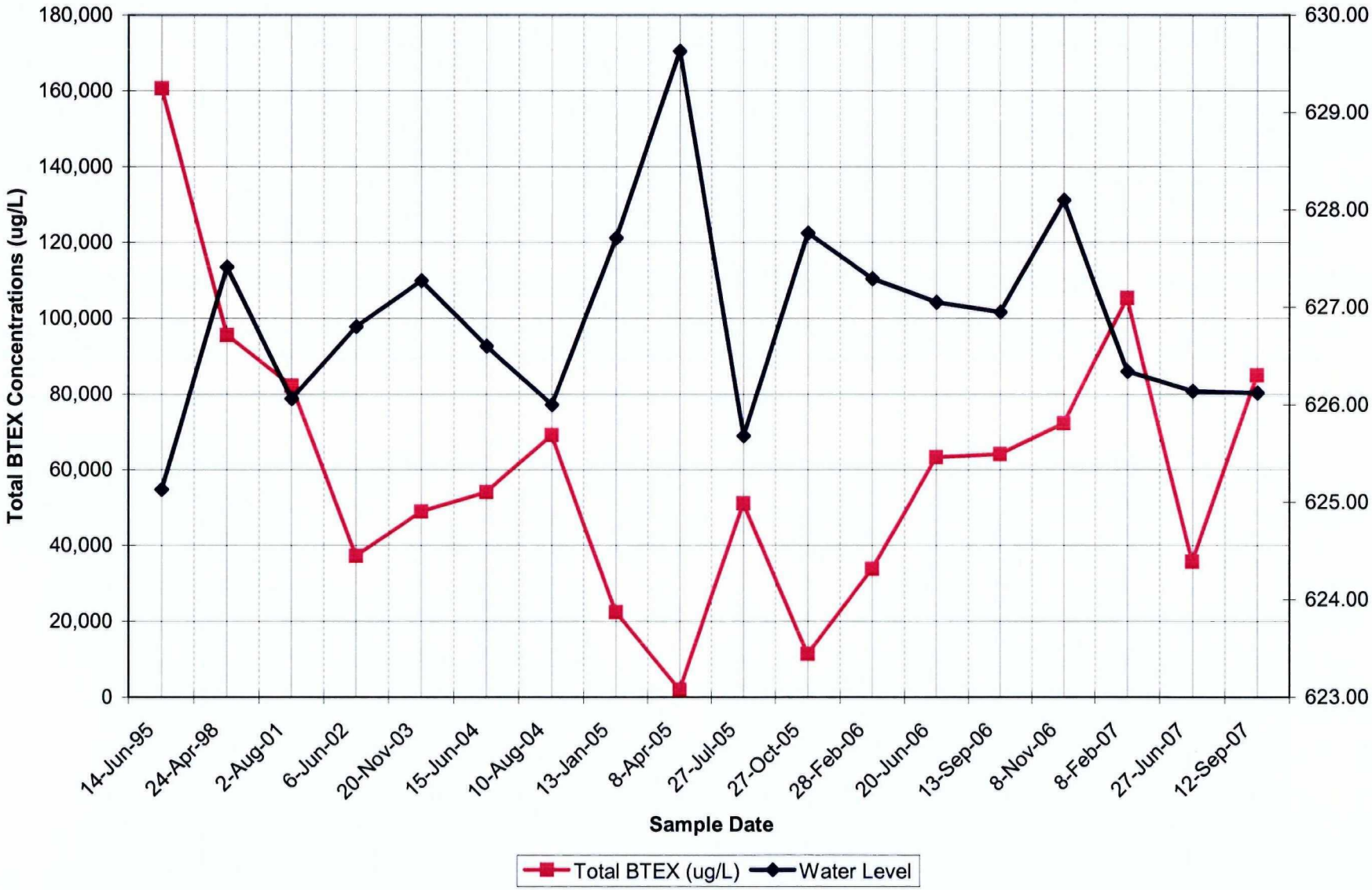
L.E. Carpenter & Company
COMPANY

Cristopher Anderson
SIGNATURE

11/6/07
DATE

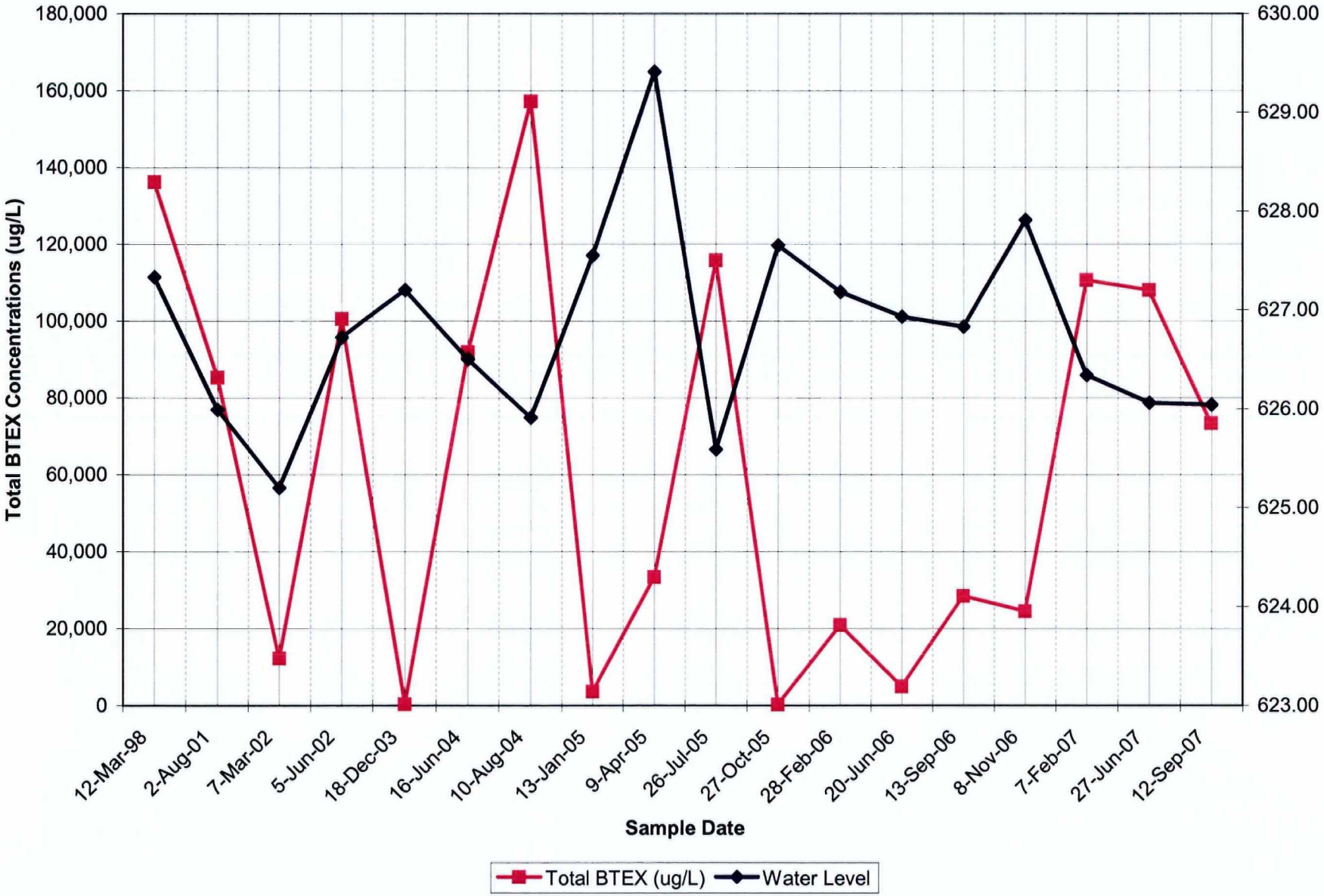
# Appendix B
# BTEX Concentration Trend Charts

## Total BTEX Concentrations vs. Water Levels for MW-19



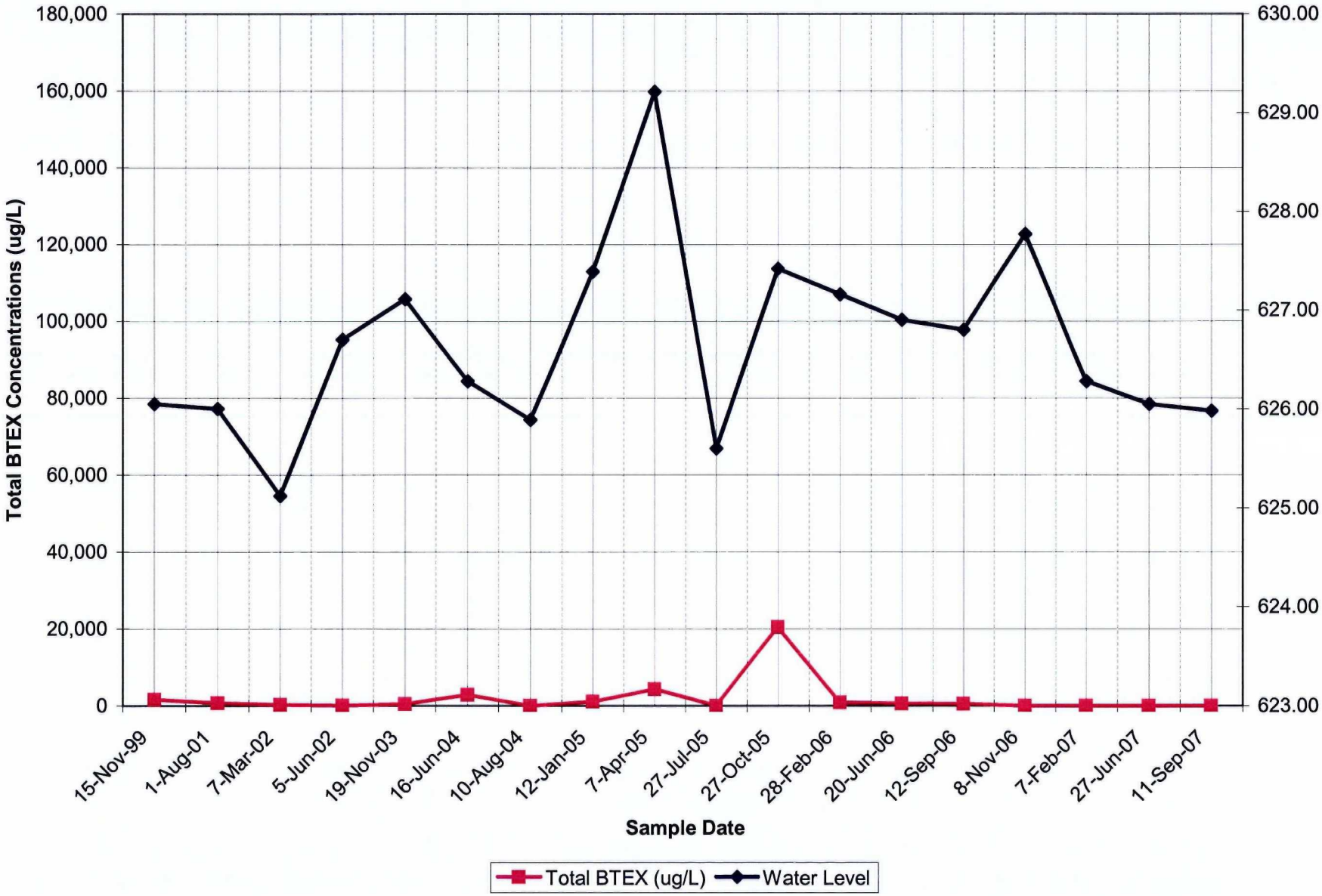

I:\WPGRM\PJT\00-06527\24\Appendix B_003.xls 11/7/2007

## Total BTEX Concentrations vs. Water Levels for MW-19-5




I:\WPGRM\PJT\00-06527\24\Appendix B_003.xls 11/7/2007

## Total BTEX Concentrations vs. Water Levels for MW-19-7




I:\WPGRM\PJT\00-06527\24\Appendix B_003.xls 11/7/2007

# Appendix C
# 3rd Quarter 2007 Monitoring Well Sampling Data

RMT

| | |
|---|---|
| **PROJECT NAME:** | L. E. Carpenter |
| **PROJECT NUMBER:** | 6527.24 |
| **PROJECT MANAGER:** | N. Clevett |
| **SITE LOCATION:** | Wharton, NJ |
| **DATES OF FIELDWORK:** | 9/10/2007 TO 9/14/2007 |
| **PURPOSE OF FIELDWORK:** | Static Water Levels, Ground and Surface Water Sample, ~~PRMP Wetland W-~~ site walk/photos |
| **WORK PERFORMED BY:** | E. Vincke & J. Overvoorde |

J Overvoorde 9/10/07
SIGNED DATE

9-19-07
CHECKED BY DATE

RMT®

# GENERAL NOTES

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | DATE: 9/10/07 | TIME ARRIVED: 11^30 |
| PROJECT NUMBER: 6527.24 | AUTHOR: EV/JO | TIME LEFT: 18^40 |

**WEATHER**

TEMPERATURE: 80 °F WIND: 0-5 MPH VISIBILITY: mostly cloudy, hazy, hot

**WORK / SAMPLING PERFORMED**

- mob to site, walk building, chk in w/ site rep
- collect water levels
- sample surface waters
- purged MW-27S dry

Note: there are 4-5' SS screens + 2-5' SS risers

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |

**COMMUNICATION**

| NAME | | |
|---|---|---|
| NC/JD | RMT | Proj. updates |
| | | |
| | | |
| | | |
| | | |
| | | |

[signature] 9/10/07
SIGNED DATE

[signature] 9-19-07
CHECKED BY DATE

RMT

# GENERAL NOTES

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | DATE: 9/11/07 | TIME ARRIVED: 0815 |
| PROJECT NUMBER: 6527.24 | AUTHOR: EV/JO | TIME LEFT: 1500 |

**WEATHER**

TEMPERATURE: 70's °F WIND: 5-10 MPH VISIBILITY: Overcast/Rain

**WORK/SAMPLING PERFORMED**

Sampled MW-29s
MW-25(R)
GEI-2s

Packed and shipped coolers.

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Turb. meter got wet stopped working. | Ordered new one. |

**COMMUNICATION**

| NAME | | |
|---|---|---|
| | | |

E. [illegible] 9/13/07 — 9-19-07

SIGNED DATE CHECKED BY DATE

# GENERAL NOTES

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | DATE: | 9/11/07 | TIME ARRIVED: | 8:00 |
| PROJECT NUMBER: | 6527.24 | AUTHOR: | EV/JO | TIME LEFT: | 17:00 |

**WEATHER**

TEMPERATURE: 80-85 °F WIND: 0-5 MPH VISIBILITY: rain, cloudy

**WORK/SAMPLING PERFORMED**

Begin gw sampling: MW-19-12 (9:50-10:10), Atm-01 (10:35), MW-19-4 (12:30-13:05) w/ Dup-02, and MW-19-6 (14:05-14:25), MW-275 (8:35)

Pack + ship coolers

Site up

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| — | — |

**COMMUNICATION**

| NAME | | |
|---|---|---|
| Nick C. | RMT, Inc. | pjt status/updates |

SIGNED: [signature] DATE: 9/11/07

CHECKED BY: [signature] DATE: 9-19-07

RMI®

# GENERAL NOTES

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | DATE: 9/12/07 | TIME ARRIVED: 0730 |
| PROJECT NUMBER: 6527.24 | AUTHOR: EV/JO | TIME LEFT: 1730 |

**WEATHER**

TEMPERATURE: 80's °F WIND: 10-15 MPH VISIBILITY: P. Cloudy

**WORK / SAMPLING PERFORMED**

Sampled MW-30D
MW-30I
MW-30S (DUP-03)
MW-28I
MW-28S
RB-03

Packed & shipped cooler and supplies

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| Turb. meter still does not work | New meter arrived for MW-30S |

**COMMUNICATION**

| NAME | | |
|---|---|---|
| | | |

SIGNED: [signature] DATE: 9/13/07

CHECKED BY: [signature] DATE: 9-19-07

RMT®

# GENERAL NOTES

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | DATE: 9/12/07 | TIME ARRIVED: 730 |
| PROJECT NUMBER: 6527.24 | AUTHOR: EV/JO | TIME LEFT: 1730 |

**WEATHER**

TEMPERATURE: 75-80°F WIND: 5-10 MPH VISIBILITY: clear, sunny

**WORK / SAMPLING PERFORMED**

Continue gw sampling: MW-19-7 (933-958), MW-27S (900)
MW-19-5 (1035-1120), and
MW-19 (1440-1500).
RB-02 (1605)

Pack / ship coolers + equipment
Site photos

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTION TAKEN |
|---|---|
| — | — |

**COMMUNICATION**

| NAME | | |
|---|---|---|
| Jim D / Nick C. | RMT, Inc. | print updates / sched |

SIGNED 9/12/07 DATE

CHECKED BY 9-19-07 DATE

# EQUIPMENT SUMMARY

| | | | |
|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | SAMPLER NAME: | E. Vincke & J. Overvoorde |
| PROJECT NO.: | 6527.24 | | |

**WATER LEVEL MEASUREMENTS COLLECTED WITH:**

QED MP-30 — NAME AND MODEL OF INSTRUMENT
LEC — SERIAL NUMBER (IF APPLICABLE)

**PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:**

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

**DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:**

QED MP-30 — NAME AND MODEL OF INSTRUMENT
LEC — SERIAL NUMBER (IF APPLICABLE)

**PURGING METHOD**

QED Portable Bladder — NAME AND MODEL OF PUMP OR TYPE OF BAILER
GRR — SERIAL NUMBER (IF APPLICABLE)

**SAMPLING METHOD**

QED Portable Bladder — NAME AND MODEL OF PUMP OR TYPE OF BAILER
GRR — SERIAL NUMBER (IF APPLICABLE)

NA — NAME AND MODEL OF FILTERATION DEVICE
NA — FILTER TYPE AND SIZE

PE — TUBING TYPE
☒ LOW-FLOW SAMPLING EVENT

**PURGE WATER DISPOSAL METHOD**

☐ GROUND ☒ DRUM ☐ POTW ☒ POLYTANK ☐ OTHER _____

**DECONTAMINATION AND FIELD BLANK WATER SOURCE**

Store bought — POTABLE WATER SOURCE
Store bought — DI WATER SOURCE

J Overvoorde — SIGNED
9/10/07 — DATE
[signature] — CHECKED BY
9-14-07 — DATE

# EQUIPMENT SUMMARY

| | | | |
|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | SAMPLER NAME: | E. Vincke & J. Overvoorde |
| PROJECT NO.: | 6527.24 | | |

**WATER LEVEL MEASUREMENTS COLLECTED WITH:**

QED MP-30 — NAME AND MODEL OF INSTRUMENT
LEC — SERIAL NUMBER (IF APPLICABLE)

**PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:**

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

**DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:**

QED MP-30 — NAME AND MODEL OF INSTRUMENT
LEC — SERIAL NUMBER (IF APPLICABLE)

**PURGING METHOD**

QED Port. Bldr — NAME AND MODEL OF PUMP OR TYPE OF BAILER
LEC — SERIAL NUMBER (IF APPLICABLE)

**SAMPLING METHOD**

QED Port. Bldr — NAME AND MODEL OF PUMP OR TYPE OF BAILER
LEC — SERIAL NUMBER (IF APPLICABLE)

NA — NAME AND MODEL OF FILTERATION DEVICE
NA — FILTER TYPE AND SIZE

Poly Eth. — TUBING TYPE
☒ LOW-FLOW SAMPLING EVENT

**PURGE WATER DISPOSAL METHOD**

☐ GROUND ☒ DRUM ☐ POTW ☒ POLYTANK ☐ OTHER _____

**DECONTAMINATION AND FIELD BLANK WATER SOURCE**

Store bought — POTABLE WATER SOURCE
Store bought — DI WATER SOURCE

JOvervoorde 9/11/07 — SIGNED DATE
[signature] 2-19-07 — CHECKED BY DATE

RMT

# CALIBRATION LOG

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | MODEL: QED-MP20 | SAMPLER: EV/JO |
| PROJECT NO.: 6527.24 | SERIAL #: LEC | DATE: 9/10/07 |

## PH CALIBRATION CHECK

| PH 7 (LOT NUMBER): 2509204 | PH 4 / 10 (LOT NUMBER): 2605597 | TIME |
|---|---|---|
| 6.89 → 7.00 | Fail / 4.00 | 1624 |
| / | / | |
| / | / | |
| / | / | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 2604155 | TEMPERATURE (°CELSIUS) | CORRECTED CONDUCTIVITY (µmhos/cm) | TIME |
|---|---|---|---|
| 1398 → 1413 | 31.10 | ~~1440~~ 1413 | 1625 |
| / | | | |
| / | | | |
| / | | | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | TIME |
|---|---|
| Hach Kits | 1625 |
| | |
| | |
| | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (LOT #): NA | (LOT #): NA | TIME |
|---|---|---|
| 5 / 0-10 | 46 / 0-100 | 1619 |
| 468 / 0-1000 | / | |
| / | / | |
| / | / | |

## OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 109740 | TEMPERATURE (°CELSIUS) | CORRECTED ORP (mV) | TIME |
|---|---|---|---|
| 252 / 218 | 27.00 | 218 | 1630 |
| / | | | |
| / | | | |
| / | | | |

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| | |
| | |
| | |

[signature] 9/10/07
SIGNED DATE

[signature] 9-19-07
CHECKED BY DATE

REVISED 07/2005

RMI

# CALIBRATION LOG

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | MODEL: | YSI HPS 556 | SAMPLER: | EV/JO |
| PROJECT NO.: | 6527.24 | SERIAL #: | GRR | DATE: | 9/11/07 |

## PH CALIBRATION CHECK

| PH 7 (LOT NUMBER) 2509204 | PH 4/10 (LOT NUMBER) 2005597 | TIME |
|---|---|---|
| 6.72 / 7.00 | 3.42 / 4.00 | 0842 |
| / | / | |
| / | / | |
| / | / | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER) 2604155 | TEMPERATURE (°CELSIUS) | CORRECTED CONDUCTIVITY (um/mS/cm) | TIME |
|---|---|---|---|
| 1304 / 1413 | 22.52 | 1413 | 0846 |
| / | | | |
| / | | | |
| / | | | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | TIME |
|---|---|
| HACH KIT | NA |
| | |
| | |
| | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (LOT #) NA | (LOT #) NA | TIME |
|---|---|---|
| 1.06 / 1.00 | 10.29 / 10.00 | 0841 |
| / | / | |
| / | / | |
| / | / | |

## OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER) 0740 | TEMPERATURE (°CELSIUS) | CORRECTED ORP (mV) | TIME |
|---|---|---|---|
| 268.1 / 226 | 21.53 | 226 | 0840 |
| / | | | |
| / | | | |
| / | | | |

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| | |
| | |
| | |

E. [illegible] 9/13/07
SIGNED DATE

[illegible] 9-17-07
CHECKED BY DATE

RMT

# CALIBRATION LOG

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | MODEL: | QED MP20 | SAMPLER: | EV/JO |
| PROJECT NO.: | 6527.24 | SERIAL #: | LEC | DATE: | 9/11/07 |

## PH CALIBRATION CHECK

| PH 7 (LOT NUMBER): 2509204 | PH 4 / 10 (LOT NUMBER): 2605597 | TIME |
|---|---|---|
| 7.21 / 7.00 | 6.31 / Fail | 0843 |
| / | / | |
| / | / | |
| / | / | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 2604155 | TEMPERATURE (°CELSIUS) | CORRECTED CONDUCTIVITY (umhos/cm) | TIME |
|---|---|---|---|
| 1483 / 1413 | 21.63 | 1413 | 0849 |
| / | | | |
| / | | | |
| / | | | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | TIME |
|---|---|
| | |
| HACH KIT | NA |
| | |
| | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (LOT #): | (LOT #): | TIME |
|---|---|---|
| 5 / 0-10 | 45 0-100 | 0852 |
| 468 / 0-1000 | / | |
| / | / | |
| / | / | |

## OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 109740 | TEMPERATURE (°CELSIUS) | CORRECTED ORP (mV) | TIME |
|---|---|---|---|
| 226 / 229 | 21.53 | 226 | 0841 |
| / | | | |
| / | | | |
| / | | | |

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| Short sampling day due to rain | |
| | |
| | |

SIGNED: [signature] DATE: 9/11/07

CHECKED BY: [signature] DATE: 9-19-07

RMI

# CALIBRATION LOG

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | MODEL: YSI 556 MPS | SAMPLER: EV/JO |
| PROJECT NO.: 6527.24 | SERIAL #: GRM | DATE: 9/12/07 |

## PH CALIBRATION CHECK

| PH 7 (LOT NUMBER) 2509204 | PH 4 / 10 (LOT NUMBER) 2G05597 | TIME |
|---|---|---|
| 6.95 → 7.00 / 7.00 | 4.24 → 4.00 / 4.00 | 811 |
| 7.17 → 7.00 / 7.00 | 3.94 → 4.00 / 4.00 | 1649 |
| / | / | |
| / | / | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER) 2604155 | TEMPERATURE (°CELSIUS) | CORRECTED CONDUCTIVITY (umhos/cm) | TIME |
|---|---|---|---|
| 1396 → / 1413 | 15.96 | 1413 | 814 |
| 1425 / 1413 | 25.10 | 1413 | 1653 |
| / | | | |
| / | | | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | TIME |
|---|---|
| | |
| Hach Kits NA | |
| | |
| | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (LOT #) NA | (LOT #) NA | TIME |
|---|---|---|
| 0 / 0 | 10 / 10 | 820 |
| 0 / 0 | 10 / 10 | 1650 |
| / | / | |
| / | / | |

## OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER) 109740 | TEMPERATURE (°CELSIUS) | CORRECTED ORP (mV) | TIME |
|---|---|---|---|
| 226 → / 236 | 16.00 | 236 | 816 |
| 208 / 220 | 25.16 | 220 | 1655 |
| / | | | |
| / | | | |

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| | |
| | |
| | |

E. [signature] 9/13/07
SIGNED DATE

[signature] 9-19-07
CHECKED BY DATE

RMT

# CALIBRATION LOG

| | | |
|---|---|---|
| PROJECT NAME: L. E. Carpenter | MODEL: QED MP-20 | SAMPLER: EV/JO |
| PROJECT NO.: 6527.24 | SERIAL #: LEC | DATE: 9/12/07 |

## PH CALIBRATION CHECK

| PH 7 (LOT NUMBER): 2509204 | PH 4 / 10 (LOT NUMBER): 2605597 | TIME |
|---|---|---|
| 7.28 → 7.00 / 7.00 | fail / 4.00 | 843 |
| 6.89 → 7.00 / 7.00 | fail / 4.00 | 1625 |
| / | / | |
| / | / | |

## SPECIFIC CONDUCTIVITY CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 2604155 | TEMPERATURE (°CELSIUS) | CORRECTED CONDUCTIVITY (umhos/cm) | TIME |
|---|---|---|---|
| 1396 / 1413 | 17.24 | 1423 | 845 |
| 1386 / 1413 | 26.01 | 1413 | 1626 |
| / | | | |
| / | | | |

## D.O. CALIBRATION CHECK

| CALIBRATION READING (mg/L) | TIME |
|---|---|
| | |
| Hach Kit | NA |
| | |
| | |

## TURBIDITY CALIBRATION CHECK

| CALIBRATION READING (LOT #): NA | (LOT #): NA | TIME |
|---|---|---|
| 5 / 0-10 | 47 / 0-100 | 840 |
| 475 / 0-1000 | / | |
| 5 / 0-10 | 47 / 0-100 | 1550 |
| 472 / 0-1000 | / | |

## OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

| CALIBRATION READING (LOT NUMBER): 109740 | TEMPERATURE (°CELSIUS) | CORRECTED ORP (mV) | TIME |
|---|---|---|---|
| 226 / 228 | 20.0 | 228 | 846 |
| 217 / 220 | 25.8 | 220 | 1630 |
| / | | | |
| / | | | |

| PROBLEMS ENCOUNTERED | CORRECTIVE ACTIONS |
|---|---|
| | |
| | |
| | |

[signature] 9/12/07
SIGNED DATE

[signature] 9-19-07
CHECKED BY DATE

REVISED 07/2005

RMT

# WATER LEVEL DATA

| | | | |
|---|---|---|---|
| PROJECT NAME: | L. E. Carpenter | DATE: | 9/10/07 |
| PROJECT NUMBER: | 6527.24 | AUTHOR: | EV/JO |

| WELL LOCATION | TIME | REFERENCE | DEPTH TO WATER (FEET) | DEPTH TO BOTTOM (FEET) | DEPTH TO PRODUCT (FEET) | WATER ELEVATION |
|---|---|---|---|---|---|---|
| MW-19 | 1303 | | 9.78 | 16.57 | | |
| MW-19-1 | 1258 | | 9.55 | | | |
| MW-19-2 | 1301 | | 10.16 | | | |
| MW-19-3 | 1256 | | 10.57 | 15.27 | | |
| MW-19-4 | 1255 | | 9.28 | 16.04 | | |
| MW-19-5 | 1305 | | 9.52 | 15.60 | | |
| MW-19-6 | 1309 | | 9.79 | 19.54 | | |
| MW-19-7 | 1325 | | 9.02 | 20.25 | | |
| MW-19-8 | 1322 | | 9.41 | | | |
| MW-19-9D | 1312 | | 9.50 | | | |
| MW-19-10 | 1317 | | NM - damaged | | | |
| MW-19-11 | 1319 | | 7.76 | | | |
| MW-19-12 | 1320 | | 8.66 | 16.70 | | |
| GEI-2I | 1316 | | 11.15 | | | |
| GEI-2S | 1315 | | 11.05 | 19.63 | | |
| GEI-3I | 1703 | | 13.33 | | | |
| MW-15S | 1330 | | 10.78 | | | |
| MW-15I | 1331 | | 10.78 | | | |
| MW-18S | 1333 | | 5.39 | | | |
| MW-18I | 1334 | | 5.02 | | | |
| MW-17S | 1338 | | 8.79 | | | |
| MW-12R | 1341 | | 8.47 | | | |
| MW-9 | 1342 | | 3.29 | | | |
| MW-8 | 1344 | | 2.95 | | | |
| MW-25R | 1421 | | 2.20 | 9.95 | | |
| MW-21 | 1424 | | 3.69 | | | |
| MW-27S | 1617 | | 9.59 | 13.05 | | |
| MW-28S | 1350 | | 6.27 | 17.63 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| MW-28I | 1348 | | 6.09 | 22.81 | | |
| MW-29S | 1358 | | 7.81 | 14.58 | | |
| MW-30S | 1410 | | 3.50 | 12.08 | | |
| MW-30I | 1409 | | 3.29 | 18.10 | | |
| MW-30D | 1408 | | 3.39 | 27.13 | | |
| SW-D-1 1808 | ~~1449~~ | | 1.82 ~~2.90~~ | | | |
| SW-D-2 | 1800 | | 2.01 | | | |
| SW-D-3 | 1740 | | 1.63 | | | |
| SW-R-1 | 1449 | | 2.90 | | | |
| SW-R-2 | 1458 | | dry | | | |
| SW-R-3 | 1510 | | 2.22 | | | |
| SW-R-4 | 1500 | | 2.83 | | | |
| SW-R-5 | 1705 | | 2.00 | | | |
| SW-R-6 | 1540 | | dry | | | |
| SW-D-4 | 1525 | | 0.91 | | | |
| DRC-2 | 1429 | | 2.58 | | | |
| SG-R2 | 1340 | | 3.19 | | | |
| MW-13S | 1750 | | 5.39 | | | |
| MW-13I | 1751 | | 5.05 | | | |
| MW-13S (R ) | 1752 | | 5.13 | | | |
| SW-D-5 | 1440 | | 2.93 | | | |
| | | | | | | |
| | | | | | | |

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

SIGNED: [signature] DATE: 9/10/07

CHECKED: [signature] DATE: 9-19-07

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1430 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER NA | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU NA | | |
| 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 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 12 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~A~~ | ~~☐ Y ☑ N~~ | ~~2~~ | ~~1 L~~ | ~~PLASTIC~~ | ~~A~~ | ~~☐ Y ☑ N~~ |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | | ~~PLASTIC~~ | ~~E~~ | ~~☐ Y ☑ N~~ |
| ~~2~~ | ~~1 L~~ | ~~GLASS~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | ~~500ml~~ | ~~PLASTIC~~ | ~~B~~ | ~~☑ Y ☐ N~~ |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: JO Vernardi | DATE SIGNED: 9/10/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1440 | DATE 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: NA °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 50. ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~A~~ | ~~☐ Y ☑ N~~ | ~~2~~ | ~~1 L~~ | ~~PLASTIC~~ | ~~A~~ | ~~☐ Y ☑ N~~ |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | | ~~PLASTIC~~ | ~~F~~ | ~~☐ Y ☑ N~~ |
| ~~2~~ | ~~1 L~~ | ~~GLASS~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | ~~500mL~~ | ~~PLASTIC~~ | ~~B~~ | ~~☑ Y ☐ N~~ |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1450 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU NA | | |
| 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) |
|---|---|---|---|---|---|---|---|---|---|
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NA

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

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: 40 | SIGNATURE: J Desmarais | DATE SIGNED: 9/10/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1458 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| 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: | | |

NA

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

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

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

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

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

J.O.

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: J Overwoorde | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1510 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM NA T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: NA °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: | ODOR: | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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| | | | | NA | | | | | |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1520 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: NA ☐ LITERS ☐ GALLONS | | | TEMPERATURE: NA °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☒ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1525 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM NA T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: NA °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: | ODOR: | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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) |
|---|---|---|---|---|---|---|---|---|---|
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: H Owenwoode | DATE SIGNED: 9/10/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1540 | DATE: 9/10/07 |
|---|---|---|---|---|---|

| | |
|---|---|
| PURGE METHOD: ☐ PUMP ☐ BAILER | PH: SU CONDUCTIVITY: umhos/cm |
| | ORP: mv DO: mg/L |
| DEPTH TO WATER: T/ PVC | TURBIDITY: NTU |
| DEPTH TO BOTTOM NA T/ PVC | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | TEMPERATURE: NA °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) |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

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|---|---|---|
| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
| COC NUMBER: NA | SIGNATURE: J Overwarde | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1705 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: FT/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM FT/ 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- 01 | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER | | | COMMENTS: | | |

NA

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

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

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1740 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM NA T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [illegible] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1800 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA TY PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM NA TY PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: NA °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: | ODOR: | | FILTRATE (0.45 um) ☒ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1808 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM NA T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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) |
|---|---|---|---|---|---|---|---|---|---|
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

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

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: J Overwoode | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1820 | DATE: 9/10/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU | | |
| DEPTH TO BOTTOM: T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °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: SW Cup / sampler | | |

| 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 |
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NA

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

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

| BOTTLES FILLED | | | PRESERVATIVE CODES: A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - Na2S2O3 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
| 12 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~A~~ | ~~☐ Y ☑ N~~ | ~~2~~ | ~~1 L~~ | ~~PLASTIC~~ | ~~A~~ | ~~☐ Y ☑ N~~ |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | | ~~PLASTIC~~ | ~~F~~ | ~~☐ Y ☑ N~~ |
| ~~2~~ | ~~1 L~~ | ~~GLASS~~ | ~~C~~ | ~~☐ Y ☑ N~~ | ~~1~~ | ~~500mL~~ | ~~PLASTIC~~ | ~~B~~ | ~~☑ Y ☐ N~~ |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/10/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [illegible] | DATE SIGNED: 9/10/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/10/07 | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1638 | DATE: 9/10/07 | SAMPLE | TIME: 835 900 | DATE: 9/11/07 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Portable Blair | | PH: 7.24 SU | CONDUCTIVITY: 1017 umhos/cm | |
| | ☐ BAILER | | ORP: 27 mv | DO: 0.4 mg/L | |
| DEPTH TO WATER: 9.59 T/ PVC | | | TURBIDITY: 1000+ NTU | | |
| DEPTH TO BOTTOM 13.05 T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY | | |
| WELL VOLUME: 2.24 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 17.58 °C | OTHER: | |
| VOLUME REMOVED 3.5 ☒ LITERS ☐ GALLONS | | | COLOR: brown | ODOR: none | |
| COLOR: brown | ODOR: none | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: very | | | 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 (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1638 | 300 | 7.22 | 983 | 183 | 0.6 | 768 | 18.41 | 9.59 | INITIAL |
| 1643 | ↓ | 7.22 | 985 | 63 | 0.6 | 454 | 17.52 | | 1.5 |
| 1646 | | 7.22 | 1025 | 39 | 0.4 | 386 | 17.44 | | 2.0 |
| 1650 | ↓ | 7.24 | 1017 | 27 | 0.4 | 1000+ | 17.58 | top of pump | 3.5 |
| | | pump off - dry | | | | | | | |
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NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| 1 | 125 mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ☐ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 & 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: J Overwarde | DATE SIGNED: 9/10/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: 950 | DATE: 9/11/07 | SAMPLE | TIME: 1010 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | [X] PUMP QED Port. Bldr [ ] BAILER | | PH: 7.45 SU | CONDUCTIVITY: 463 umhos/cm | |
| | | | ORP: 118 mv | DO: 2.0 mg/L | |
| DEPTH TO WATER: 8.60 T/ PVC | | | TURBIDITY: 2 NTU | | |
| DEPTH TO BOTTOM 16.70 T/ PVC | | | [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY | | |
| WELL VOLUME: 5.25 [X] LITERS [ ] GALLONS | | | TEMPERATURE: 19.20 °C | OTHER: | |
| VOLUME REMOVED: 8 [X] LITERS [ ] GALLONS | | | COLOR: clear | ODOR: none | |
| COLOR: clear w/ blk floaters | ODOR: none | | FILTRATE (0.45 um) [ ] YES [X] NO | | |
| TURBIDITY: some sediment | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| [ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY | | | QC SAMPLE: [ ] MS/MSD [ ] DUP- | | |
| DISPOSAL METHOD [ ] GROUND [X] DRUM [ ] OTHER | | | COMMENTS: Ferrous Fe = 0ppm $CO_2$ = 0ppm | | |

Total Alk= 85 ppm

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 950 | 400 | 7.25 | 465 | 152 | 2.0 | 76 | 19.25 | 8.60 | INITIAL |
| 955 | ↓ | 7.37 | 463 | 142 | 2.0 | 8 | 19.14 | 8.60 | 2 |
| 1000 | | 7.42 | 463 | 130 | 2.0 | 5 | 19.15 | 8.60 | 4 |
| 1005 | | 7.48 | 462 | 122 | 2.0 | 3 | 19.19 | 8.60 | 6 |
| 1010 | ↓ | 7.45 | 463 | 118 | 2.0 | 2 | 19.20 | 8.61 | 8 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | [ ] Y [✓] N | 2 | 1 L | AMBER | F | [ ] Y [✓] N |
| ~~1~~ 2 | 40 mL | VOA | A | [ ] Y [✓] N | 2 | 500 mL | PLASTIC | A | [ ] Y [✓] N |
| ~~1~~ | ~~40 mL~~ | ~~VOA~~ | ~~C~~ | ~~[ ] Y [✓] N~~ | 1 | 1L | PLASTIC | A | [ ] Y [✓] N |
| ~~1~~ 1 | ~~125~~ mL | ~~GLASS~~ plastic | A | [ ] Y [✓] N | 1 | ~~250~~ 100 mL | PLASTIC plastic | ~~A~~ C plastic | ~~[✓] Y~~ [X] N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: Overwarde | DATE SIGNED: 9/11/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: | L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1035 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☐ PUMP ☐ BAILER | | PH: SU | CONDUCTIVITY: umhos/cm | |
| | | | ORP: mv | DO: mg/L | |
| DEPTH TO WATER: NA T/ PVC | | | TURBIDITY: NTU NA | | |
| DEPTH TO BOTTOM NA T/ PVC | | | ☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: ☐ LITERS ☐ GALLONS | | | TEMPERATURE: °C | OTHER: | |
| VOLUME REMOVED: ☐ LITERS ☐ GALLONS | | | COLOR: | ODOR: | |
| COLOR: ODOR: | | | FILTRATE (0.45 um) ☐ YES ☐ NO | | |
| TURBIDITY: | | | FILTRATE COLOR: | 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 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~2~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | ~~500 m~~ L | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | ~~250~~ mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ~~☐ Y~~ ☒ N |

| SHIPPING METHOD: | Fed Ex | DATE SHIPPED: | 9/11/07 | AIRBILL NUMBER: | NA |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | [illegible] | DATE SIGNED: | 9/4/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: | L. E. Carpenter | PREPARED | | | CHECKED | |
|---|---|---|---|---|---|---|
| PROJECT NUMBER: | 6527.24 | BY: EV/JO | DATE: 9/11/07 | | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1230 | DATE: 9/11/07 | SAMPLE | TIME: 1305 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Port-Bldr ☐ BAILER | | PH: 7.16 SU | CONDUCTIVITY: 1187 umhos/cm | |
| | | | ORP: 45 mv | DO: 0.4 mg/L | |
| DEPTH TO WATER: 9.30 T/ PVC | | | TURBIDITY: 10 NTU | | |
| DEPTH TO BOTTOM 16.04 T/ PVC | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 4.37 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 17.68 °C | OTHER: | |
| VOLUME REMOVED: 14 ☒ LITERS ☐ GALLONS | | | COLOR: clear | ODOR: none | |
| COLOR: Clr w/ sed | ODOR: none | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: clr | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☒ DUP- 02 | | |
| DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER | | | COMMENTS: Ferrous Fe = 0.05 ppm $CO_2$ = 26 ppm Total Alk = 125 ppm | | |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 1230 | 400 | 7.16 | 1420 | 99 | 0.6 | 55 | 17.39 | 9.30 | INITIAL |
| 1235 | | 7.14 | 1329 | 90 | 0.6 | 46 | 17.37 | 9.30 | 2 |
| 1240 | | 7.14 | 1241 | 74 | 0.4 | 38 | 17.51 | 9.31 | 4 |
| 1245 | | 7.15 | 1223 | 64 | 0.4 | 30 | 17.57 | 9.31 | 6 |
| 1250 | | 7.16 | 1208 | 56 | 0.4 | 22 | 17.61 | 9.31 | 8 |
| 1255 | | 7.17 | 1203 | 54 | 0.4 | 18 | 17.63 | 9.31 | 10 |
| 1300 | | 7.17 | 1197 | 50 | 0.4 | 10 | 17.62 | 9.32 | 12 |
| 1305 | | 7.16 | 1187 | 45 | 0.4 | 10 | 17.68 | 9.32 | 14 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 40 mL | VOA | E | ☐ Y ☑ N | 4 | 1 L | AMBER | F | ☐ Y ☑ N |
| 4 | 40 mL | VOA | A | ☐ Y ☑ N | 4 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 2 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 2 | 1L | PLASTIC | A | ☐ Y ☑ N |
| 2 | 125 mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 2 | 250 mL | PLASTIC | C | ~~☑ Y~~ ☒ N |

| SHIPPING METHOD: | Fed Ex | DATE SHIPPED: | 9/11/07 | AIRBILL NUMBER: | NA |
|---|---|---|---|---|---|
| COC NUMBER: | NA | SIGNATURE: | JO Vernoard | DATE SIGNED: | 9/11/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1405 | DATE: 9/11/07 | SAMPLE | TIME: 1425 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Port Bldr / ☐ BAILER | | PH: 7.16 SU | CONDUCTIVITY: 1458 umhos/cm | |
| | | | ORP: 12 mv | DO: 0.8 mg/L | |
| DEPTH TO WATER: 9.71 T/ PVC | | | TURBIDITY: 4 NTU | | |
| DEPTH TO BOTTOM 19.54 T/ PVC | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 6.37 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 17.30 °C | OTHER: | |
| VOLUME REMOVED: 8 ☒ LITERS ☐ GALLONS | | | COLOR: clear | ODOR: none | |
| COLOR: clr w/ red floatics | ODOR: none | | 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: Ferrous Fe = 0.6 ppm $CO_2$ = 42 ppm Total Alk = 160 ppm | | |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 1405 | 400 | 7.16 | 1470 | 26 | 1.0 | 93 | 17.16 | 9.71 | INITIAL |
| 1410 | ↓ | 7.15 | 1452 | 20 | 1.0 | 15 | 17.18 | 9.71 | 2 |
| 1415 | | 7.15 | 1455 | 17 | 1.0 | 10 | 17.20 | 9.71 | 4 |
| 1420 | | 7.17 | 1459 | 13 | 0.8 | 5 | 17.29 ~~17.39~~ | 9.71 | 6 |
| 1425 | ↓ | 7.16 | 1458 | 12 | 0.8 | 4 | 17.30 | 9.71 | 8 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | ~~500~~ mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 1 | 125 mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ~~☐ Y~~ ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: dOverwarde | DATE SIGNED: 9/11/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: MW-295 WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 0920 | DATE: 9/11/07 | SAMPLE | TIME: 0950 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Bladder ☐ BAILER | | PH: 6.66 SU | CONDUCTIVITY: 881 umhos/cm | |
| | | | ORP: -13.9 mv | DO: 0.7 mg/L | |
| DEPTH TO WATER: 7.73 T/ ~~BS~~ | | | TURBIDITY: 9.84 NTU | | |
| DEPTH TO BOTTOM 14.5 T/ ~~BS~~ | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 4.44 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 21.12 °C | OTHER: | |
| VOLUME REMOVED 12.0 ☒ LITERS ☐ GALLONS | | | COLOR: CLR | ODOR: None | |
| COLOR: Cloudy | ODOR: None | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: 85.4 | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | | COMMENTS: Ferrous = 720 ppm, ALK 525 ppm $CO_2$ = 100 ppm | | |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 0920 | 400 | 6.42 | 894 | *95.2 | 0.5 | 85.4 | 22.28 | 7.73 | INITIAL |
| 0925 | | 6.58 | 887 | 52.2 | 0.5 | 172 | 21.19 | 7.81 | 2.0 |
| 0930 | | 6.60 | 883 | 34.5 | 0.5 | 77.9 | 21.16 | 7.81 | 4.0 |
| 0935 | | 6.62 | 884 | 23.7 | 0.7 | 51.0 | 21.13 | 7.81 | 6.0 |
| 0940 | | 6.64 | 883 | 4.5 | 0.7 | 12.4 | 21.11 | 7.81 | 8.0 |
| 0945 | | 6.65 | 883 | 1.1 | 0.7 | 9.23 | 21.12 | 7.81 | 10.0 |
| 0950 | | 6.66 | 881 | -13.9 | 0.7 | 9.84 | 21.12 | 7.81 | 12.0 |
| | | | | | | | | | |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | ~~100~~ mL | ~~PVOA~~ PL | Plate Count | ☐ Y ☑ N | 1 | 1 L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | 125 mL | ~~PLASS~~ PL | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | E | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: E. Vinik | DATE SIGNED: 9/13/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: ~~25~~ MW-25R — WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1210 | DATE: 9/11/07 | SAMPLE | TIME: 1230 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Bladder ☐ BAILER | | PH: 6.98 SU | CONDUCTIVITY: 355 umhos/cm | |
| | | | ORP: -75.3 mv | DO: 1.0 mg/L | |
| DEPTH TO WATER: 2.19 T/ ~~BS~~ | | | TURBIDITY: NM NTU | | |
| DEPTH TO BOTTOM 9.95 T/ ~~BS~~ | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 5.03 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 18.93 °C | OTHER: | |
| VOLUME REMOVED 8.0 ☒ LITERS ☐ GALLONS | | | COLOR: CLR | ODOR: None | |
| COLOR: Cloudy | ODOR: None | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: NM | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | | COMMENTS: Turb Meter Wet Not Working | | |

Ferrous = 0.3 ppm
$CO_2$ = 15 ppm
ALK = 75 ppm

| 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 (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1210 | 400 | 7.06 | 269 | -14.7 | 1.0 | NM | 17.83 | 2.19 | INITIAL |
| 1215 | | 6.90 | 394 | -54.6 | 1.0 | NM | 18.14 | 2.20 | 2.0 |
| 1220 | | 6.91 | 365 | -64.5 | 1.0 | NM | 18.57 | 2.21 | 4.0 |
| 1225 | | 6.96 | 361 | -71.5 | 1.0 | NM | 18.79 | 2.21 | 6.0 |
| 1230 | | 6.98 | 355 | -75.3 | 1.0 | NM | 18.93 | 2.21 | 8.0 |
| | | | | | | | | | |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 40 mL | ~~PLVOA~~ | Plate Count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | 1 L | ~~PGLASS~~ | A | ☐ Y ☑ N | 1 | 250mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/13/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/11/07 | BY: ST | DATE: 9-14-07 |

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

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1340 | DATE: 9/11/07 | SAMPLE | TIME: 1425 | DATE: 9/11/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Bladder ☐ BAILER | | PH: 6.47 SU | CONDUCTIVITY: 586 umhos/cm | |
| | | | ORP: -29.8 mv | DO: 0.6 mg/L | |
| DEPTH TO WATER: 10.97 T/ SS | | | TURBIDITY: 15 NTU | | |
| DEPTH TO BOTTOM 19.63 T/ SS | | | ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 5.61 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 15.28 °C | OTHER: | |
| VOLUME REMOVED 18.0 ☒ LITERS ☐ GALLONS | | | COLOR: CLR/BLK SP | ODOR: None | |
| COLOR: Brn | ODOR: None | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: >1000 | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | | COMMENTS: Ferrous = 0 ppm, Alk = 150 ppm, $CO_2$ = 30 ppm | | |

| 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 (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1340 | 400 | 6.46 | 423 | -11.6 | 1.0 | >1000 | 17.66 | 10.97 | INITIAL |
| 1345 | | 6.58 | 537 | -24.4 | 1.0 | >1000 | 15.87 | 11.00 | 2.0 |
| 1350 | | 6.51 | 551 | -29.0 | 1.0 | 92 | 15.50 | 11.02 | 4.0 |
| 1355 | | 6.48 | 562 | -32.4 | 0.6 | 40 | 15.44 | 11.04 | 6.0 |
| 1400 | | 6.47 | 563 | -32.1 | 0.6 | 35 | 15.33 | 11.04 | 8.0 |
| 1405 | | 6.47 | 572 | -31.9 | 0.6 | 24 | 15.32 | 11.04 | 10.0 |
| 1410 | | 6.47 | 575 | -31.7 | 0.6 | EV 18 | 15.28 | 11.04 | 12.0 |
| 1415 | | 6.47 | 578 | -31.5 | 0.6 | 14 | 15.33 | 11.04 | 14.0 |
| 1420 | | 6.48 | 583 | -31.0 | 0.6 | 14 | 15.38 | 11.04 | 16.0 |
| 1425 | | 6.47 | 586 | -29.8 | 0.6 | 15 | 15.28 | 11.04 | 18.0 |

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | PL ~~VOA~~ | Plate Count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 1 | 125mL | PL ~~GLASS~~ | A | ☐ Y ☑ N | 1 | 250mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/11/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: E. [illegible] | DATE SIGNED: 9/13/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: MW-19-7 WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

| PURGING | TIME: 933 | DATE: 9/12/07 | SAMPLE | TIME: 958 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: [X] PUMP QED Port. Bldr [ ] BAILER | | | PH: 7.05 SU | CONDUCTIVITY: 1016 umhos/cm | |
| | | | ORP: 181 mv | DO: 0.2 mg/L | |
| DEPTH TO WATER: 9.85 T/ PVC | | | TURBIDITY: 5 NTU | | |
| DEPTH TO BOTTOM 20.25 T/ PVC | | | [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY | | |
| WELL VOLUME: 6.74 [X] LITERS [ ] GALLONS | | | TEMPERATURE: 17.48 °C | OTHER: | |
| VOLUME REMOVED: 10 [X] LITERS [ ] GALLONS | | | COLOR: clear | ODOR: none | |
| COLOR: Clear | ODOR: | | FILTRATE (0.45 um) [ ] YES [X] NO | | |
| TURBIDITY: red floaties | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| [ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY | | | QC SAMPLE: [ ] MS/MSD [ ] DUP- | | |
| DISPOSAL METHOD [ ] GROUND [X] DRUM [ ] OTHER | | | COMMENTS: Ferrous Fe = 0.2 ppm $CO_2$ = 38 ppm Total Alk = 120 ppm | | |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 933 | 400 | 6.96 | 991 | 205 | 0.8 | 31 | 17.64 | 9.85 | INITIAL |
| 938 | ↓ | 6.92 | 1013 | 202 | 0.4 | 12 | 17.29 | ↓ | 2 |
| 943 | | 6.99 | 1015 | 200 | 0.2 | 10 | 17.40 | | 4 |
| 948 | | 7.10 | 1011 | 196 | 0.2 | 10 | 17.42 | | 6 |
| 953 | | 7.06 | 1011 | 191 | 0.2 | 7 | 17.41 | | 8 |
| 958 | ↓ | 7.05 | 1016 | 181 | 0.2 | 5 | 17.48 | ↓ | 10 |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | [ ] Y [✓] N | 2 | 1 L | AMBER | F | [ ] Y [✓] N |
| 2 | 40 mL | VOA | A | [ ] Y [✓] N | 2 | 500 mL | PLASTIC | A | [ ] Y [✓] N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | [ ] Y [✓] N | 1 | 1L | PLASTIC | A | [ ] Y [✓] N |
| 1 | 125 mL | ~~GLASS~~ plastic | A | [ ] Y [✓] N | 1 | 250 mL | PLASTIC | C | [ ] Y [X] N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/12/07 |

# RMT WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☒ PVC ☐ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1035 | DATE: 9/12/07 | SAMPLE | TIME: 1120 | DATE: 9/12/07 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP QED Port. Bldr ☐ BAILER

DEPTH TO WATER: 9.40 T/ PVC

DEPTH TO BOTTOM 15.60 T/ PVC

WELL VOLUME: 4.02 ☒ LITERS ☐ GALLONS

VOLUME REMOVED: 18 ☒ LITERS ☐ GALLONS

COLOR: white ODOR: none

TURBIDITY: cloudy

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER

PH: 7.09 SU CONDUCTIVITY: 530 umhos/cm

ORP: 36 mv DO: 0.1 mg/L

TURBIDITY: 5 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 16.18 °C OTHER:

COLOR: clr ODOR: none

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: FILTRATE ODOR:

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Ferrous Fe = 1.0 ppm $CO_2$ = 65 ppm Total Alk = 160 ppm

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 1035 | 400 | 7.08 | 319 | 134 | 0.6 | 549 | 16.77 | 9.40 | INITIAL |
| 1040 | ↓ | 7.08 | 309 | 74 | 0.2 | 134 | 16.26 | 9.43 | 2 |
| 1045 | | 7.10 | 331 | 68 | 0.1 | 42 | 16.18 | 9.47 | 4 |
| 1050 | | 7.11 | 369 | 59 | 0.1 | 27 | 16.17 | 9.47 | 6 |
| 1055 | | 7.09 | 402 | 54 | 0.1 | 12 | 16.16 | 9.48 | 8 |
| 1100 | | 7.09 | 435 | 50 | 0.1 | 9 | 16.17 | 9.49 | 10 |
| 1105 | | 7.09 | 483 | 47 | 0.1 | 8 | 16.16 | 9.49 | 12 |
| 1110 | | 7.08 | 501 | 43 | 0.1 | 7 | 16.17 | 9.49 | 14 |
| 1115 | | 7.08 | 521 | 38 | 0.1 | 5 | 16.18 | 9.49 | 16 |
| 1120 | ↓ | 7.09 | 530 | 36 | 0.1 | 5 | 16.18 | 9.50 | 18 |

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

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

BOTTLES FILLED

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| 1 | 125 mL | ~~glass~~ plastic | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ~~☐ Y~~ ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/12/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1440 | DATE: 9/12/07 | SAMPLE | TIME: 1510 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Port. Blar ☐ BAILER | | PH: 6.59 SU | CONDUCTIVITY: 1201 umhos/cm | |
| | | | ORP: -94 mv | DO: 0.1 mg/L | |
| DEPTH TO WATER: 9.70 T/ PVC | | | TURBIDITY: 2 NTU | | |
| DEPTH TO BOTTOM 16.57 T/ PVC | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 4.45 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 17.05 °C | OTHER: | |
| VOLUME REMOVED: 12 ☒ LITERS ☐ GALLONS | | | COLOR: clear/gray | ODOR: slight | |
| COLOR: clear/gray ODOR: slight | | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: little sediment | | | FILTRATE COLOR: | FILTRATE ODOR: | |
| ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☒ DRUM ☐ OTHER | | | COMMENTS: Ferrous Fe = >20 ppm $CO_2$ = 80 ppm Total Alk = 200 ppm | | |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 1440 | 400 | 6.94 | 1780 | -10 | 1.0 | 15 | 19.17 | 9.70 | INITIAL |
| 1445 | ↓ | 6.63 | 1880 | -46 | 0.4 | 10 | 16.99 | 9.70 | 2 |
| 1450 | | 6.57 | 1520 | -88 | 0.1 | 7 | 16.87 | 9.72 | 4 |
| 1455 | | 6.58 | 1244 | -89 | 0.1 | 6 | 16.94 | 9.74 | 6 |
| 1500 | | 6.60 | 1216 | -90 | 0.1 | 4 | 17.00 | 9.78 | 8 |
| 1505 | | 6.59 | 1212 | -91 | 0.1 | 3 | 17.03 | 9.79 | 10 |
| 1510 | ↓ | 6.59 | 1201 | -94 | 0.1 | 2 | 17.05 | 9.80 | 12 |
| | | | | | | | | | |
| | | | | | | | | | |
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**NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS:**

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~6~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~7~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 50 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~7~~ 1 | 125 mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 1 | ~~250 mL~~ | PLASTIC | C | ~~☐ Y~~ ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [illegible] | DATE SIGNED: 9/12/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/05 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: RB-02 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER NA

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

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

| PURGING | TIME: | DATE: | SAMPLE | TIME: 1605 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| 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: | | |

NA

NA

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

NA

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ plastic | plate count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A ~~E~~ | ☐ Y ☑ N |
| ~~2~~ 1 | 125 mL | ~~GLASS~~ plastic | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C ~~B~~ | ~~☑ Y~~ ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: J Drenoode | DATE SIGNED: 9/12/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 0820 | DATE: 9/12/07 | SAMPLE | TIME: 0900 | DATE: 9/12/07 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER

PH: 7.24 SU — CONDUCTIVITY: 401 umhos/cm

ORP: 22.6 mv — DO: 0.8 mg/L

DEPTH TO WATER: 3.19 T/ SS

DEPTH TO BOTTOM 27.13 T/ SS

TURBIDITY: NM NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

WELL VOLUME: 15.51 ☒ LITERS ☐ GALLONS

TEMPERATURE: 14.73 °C — OTHER:

VOLUME REMOVED 16.0 ☒ LITERS ☐ GALLONS

COLOR: CLR — ODOR: None

COLOR: Brn — ODOR: None

FILTRATE (0.45 um) ☐ YES ☒ NO

TURBIDITY: NM

FILTRATE COLOR: NA — FILTRATE ODOR: NA

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

QC SAMPLE: ☐ MS/MSD ☐ DUP-

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER

COMMENTS: Δ 1K = 130ppm Ferrous = 3ppm $CO_2$ = 13ppm

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 0820 | 400 | 7.58 | 459 | 131.9 | 2.0 | NM | 17.75 | 3.19 | INITIAL |
| 0825 | | 7.35 | 367 | 45.2 | 2.0 | | 15.20 | 3.23 | 2.0 |
| 0830 | | 7.26 | 386 | 38.9 | 1.0 | | 14.78 | 3.23 | 4.0 |
| 0835 | | 7.25 | 393 | 35.0 | 1.0 | | 14.74 | 3.23 | 6.0 |
| 0840 | | 7.23 | 396 | 32.1 | 1.0 | | 14.73 | 3.23 | 8.0 |
| 0845 | | 7.23 | 398 | 29.3 | 0.8 | | 14.84 | 3.23 | 10.0 |
| 0850 | | 7.24 | 400 | 26.9 | 0.8 | | 14.86 | 3.23 | 12.0 |
| 0855 | | 7.22 | 402 | 25.1 | 0.8 | | 14.86 | 3.23 | 14.0 |
| 0900 | | 7.24 | 401 | 22.6 | 0.8 | NM | 14.73 | 3.23 | 16.0 |
| | | | | | | | | | |

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | VOA | Plate Count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | 125ml | GLASS | A | ☐ Y ☑ N | 1 | 2500mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/13/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: MW-30I — WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 0923 | DATE: 9/12/07 | SAMPLE | TIME: 0958 | DATE: 9/12/07 |
|---|---|---|---|---|---|

PURGE METHOD: ☒ PUMP QED Bladder ☐ BAILER

DEPTH TO WATER: 3.18 T/ ~~SS~~

DEPTH TO BOTTOM 18.10 T/ ~~SS~~

WELL VOLUME: 9.6 ~~14.0~~ ☒ LITERS ☐ GALLONS

VOLUME REMOVED 14.0 ☒ LITERS ☐ GALLONS

COLOR: Cloudy ODOR: V. Slight

TURBIDITY: NM

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☐ OTHER

PH: 7.08 SU CONDUCTIVITY: 661 umhos/cm

ORP: -19.8 mv DO: 0.4 mg/L

TURBIDITY: NM NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 17.07 °C OTHER:

COLOR: CLR ODOR: None

FILTRATE (0.45 um) ☐ YES ☒ NO

FILTRATE COLOR: NA FILTRATE ODOR: NA

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Air = 200 ppm $CO_2$ = 29 ppm Ferrous = > 20 ppm

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 0923 | 400 | 7.18 | 620 | 36.0 | 1.0 | NM | 18.31 | 3.18 | INITIAL |
| 0928 | | 7.05 | 664 | 26.3 | 1.0 | | 17.17 | 3.26 | 2.0 |
| 0933 | | 7.05 | 664 | 19.5 | 0.2 | | 17.06 | 3.26 | 4.0 |
| 0938 | | 7.07 | 664 | 11.8 | 0.2 | | 17.09 | 3.26 | 6.0 |
| 0943 | | 7.08 | 662 | 2.5 | 0.2 | | 17.05 | 3.26 | 8.0 |
| 0948 | | 7.08 | 662 | -5.8 | 0.4 | | 17.06 | 3.26 | 10.0 |
| 0953 | | 7.07 | 662 | -14.1 | 0.4 | | 17.06 | 3.26 | 12.0 |
| 0958 | | 7.08 | 661 | -19.8 | 0.4 | NM | 17.07 | 3.26 | 14.0 |
| | | | | | | | | | |
| | | | | | | | | | |

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~VOA~~ PL | Plate Count | ☐ Y ☑ N | 1 | 1 L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | 125 mL | ~~GLASS~~ PL | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/12/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: MW-30S WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1033 | DATE: 9/12/07 | SAMPLE | TIME: 1208 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Bladder ☐ BAILER | | PH: 7.05 SU | CONDUCTIVITY: 696 umhos/cm | |
| | | | ORP: -128.7 mv | DO: 0.3 mg/L | |
| DEPTH TO WATER: 3.39 T/ ~~55~~ | | | TURBIDITY: 100 NTU | | |
| DEPTH TO BOTTOM 12.06 T/ ~~55~~ | | | ☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 5.63 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 19.15 °C | OTHER: | |
| VOLUME REMOVED 30.0 ☒ LITERS ☐ GALLONS | | | COLOR: Cloudy/Gray | ODOR: Slight | |
| COLOR: Gray | ODOR: Strong | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: 950 | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY | | | QC SAMPLE: ☐ MS/MSD ☒ DUP- 03 | | |
| 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 (GALLONS) |
|---|---|---|---|---|---|---|---|---|---|
| 1033 | 400 | 7.23 | 385 | 34.9 | 0.6 | 950 | 22.17 | 3.39 | INITIAL |
| 1038 | | 7.21 | 694 | -29.6 | 0.6 | >1000 | 19.62 | 3.53 | 2.0 |
| 1043 | | 7.09 | 700 | -45.0 | 0.6 | >1000 | 19.47 | 3.55 | 4.0 |
| 1048 | | 7.06 | 698 | -54.3 | 0.6 | >1000 | 19.35 | 3.55 | 6.0 |
| 1053 | | 7.06 | 698 | -62.2 | 0.6 | 1100 | 19.35 | 3.55 | 8.0 |
| 1058 | | 7.06 | 696 | -69.6 | 0.6 | 600 | 19.29 | 3.55 | 10.0 |
| 1103 | | 7.06 | 696 | -75.9 | 0.6 | 450 | 19.29 | 3.55 | 12.0 |
| 1108 | | 7.05 | 694 | -80.1 | 0.6 | 320 | 19.11 | 3.55 | 14.0 |
| 1113 | | | Out | of | Air | | | 3.55 | 16.0 |
| 1118 | | | | | | | | 3.55 | 18.0 |

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

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

BOTTLES FILLED

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~8~~ 4 | 40 mL | VOA | E | ☐ Y ☑ N | 4 ~~2~~ | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 4 | 40 mL | VOA | A | ☐ Y ☑ N | 4 ~~1~~ | 500mL | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 2 | 100 mL | ~~PE~~ PL | Plate Count | ☐ Y ☑ N | 2 ~~1~~ | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 2 | 125 mL | ~~GLASS~~ PL | A | ☐ Y ☑ N | 2 ~~1~~ | 250mL | PLASTIC | E | ☑ Y ☒ N |

| SHIPPING METHOD: FedEx | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: [signature] | DATE SIGNED: 9/12/07 |

RMT

# WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

| PROJECT NAME: | L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|---|
| PROJECT NUMBER: | 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: MW-30S

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 1133 | 400 | 7.07 | 772 | -108.6 | 0.6 | 150 | 20.80 | 3.55 | 16.0 |
| 1138 | | 7.07 | 698 | -110.6 | 1.0 | 80 | 19.25 | 3.55 | 18.0 |
| 1143 | | 7.07 | 696 | -114.1 | 1.0 | 150 | 19.13 | 3.55 | 20.0 |
| 1148 | | 7.03 | 697 | -117.6 | 1.0 | 130 | 19.16 | 3.55 | 22.0 |
| 1153 | | 7.08 | 695 | -121.0 | 1.0 | 120 | 19.11 | 3.55 | 24.0 |
| 1158 | | 7.06 | 696 | -123.6 | 0.3 | 110 | 19.12 | 3.55 | 26.0 |
| 1203 | | 7.04 | 695 | -126.2 | 0.3 | 100 | 19.07 | 3.55 | 28.0 |
| 1208 | | 7.05 | 696 | -128.7 | 0.3 | 100 | 19.15 | 3.55 | 30.0 |

Alk = 230 ppm
$CO_2$ = 37 ppm
Ferrous = > 20 ppm

SIGNATURE: E. Vinit

DATE SIGNED: 9/12/07

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-19-07 |

SAMPLE ID: HW-28 I

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1427 | DATE: 9/12/07 | SAMPLE | TIME: 1457 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP GED Bladder | | PH: 7.15 SU | CONDUCTIVITY: 536 umhos/cm | |
| | ☐ BAILER | | ORP: -104.7 mv | DO: 0.1 mg/L | |
| DEPTH TO WATER: 5.98 T/ SS | | | TURBIDITY: 5.7 NTU | | |
| DEPTH TO BOTTOM 22.81 T/ SS | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 10.91 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 16.19 °C | OTHER: | |
| VOLUME REMOVED 12.0 ☒ LITERS ☐ GALLONS | | | COLOR: CLR | ODOR: None | |
| COLOR: Cloudy | ODOR: None | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: 170 | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | pH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O. (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1427 | 400 | 7.06 | 463 | 7.6 | 0.6 | 170 | 20.07 | 5.98 | INITIAL |
| 1432 | | 7.07 | 545 | -52.0 | 0.6 | 160 | 17.11 | 5.99 | 2.0 |
| 1437 | | 7.09 | 550 | -72.8 | 0.6 | 110 | 16.76 | 6.00 | 4.0 |
| 1442 | | 7.09 | 546 | -85.4 | 0.1 | 55 | 16.54 | 6.00 | 6.0 |
| 1447 | | 7.15 | 542 | -93.7 | 0.1 | 24 | 16.23 | 6.00 | 8.0 |
| 1452 | | 7.14 | 538 | -99.0 | 0.1 | 11 | 16.17 | 6.00 | 10.0 |
| 1457 | | 7.15 | 536 | -104.7 | 0.1 | 5.7 | 16.19 | 6.00 | 12.0 |
| | | | | | | | | | |
| | | ALK= 170 ppm | | Ferrous = >20 ppm | | | $CO_2$ = 30 ppm | | |
| | | | | | | | | | |

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

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

BOTTLES FILLED

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | PL ~~VOA~~ | Plate Count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 1 | 125 ML | ~~CLASS~~ PL | A | ☐ Y ☑ N | 1 | 250mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: C. Vinal | DATE SIGNED: 9/12/07 |

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

SAMPLE ID: HW-29S WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

| PURGING | TIME: 1524 | DATE: 9/12/07 | SAMPLE | TIME: 1549 | DATE: 9/12/07 |
|---|---|---|---|---|---|
| PURGE METHOD: | ☒ PUMP QED Bladder ☐ BAILER | | PH: 7.10 SU. | CONDUCTIVITY: 576 umhos/cm | |
| | | | ORP: -132.1 mv | DO: 0.1 mg/L | |
| DEPTH TO WATER: 6.18 T/ ~~BS~~ | | | TURBIDITY: 9.6 NTU | | |
| DEPTH TO BOTTOM 17.63 T/ ~~BS~~ | | | ☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY | | |
| WELL VOLUME: 7.42 ☒ LITERS ☐ GALLONS | | | TEMPERATURE: 16.99 °C | OTHER: | |
| VOLUME REMOVED 10.0 ☒ LITERS ☐ GALLONS | | | COLOR: Clr | ODOR: V. Slight | |
| COLOR: Cloudy | ODOR: V. Slight | | FILTRATE (0.45 um) ☐ YES ☒ NO | | |
| TURBIDITY: 230 | | | FILTRATE COLOR: NA | FILTRATE ODOR: NA | |
| ☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY | | | QC SAMPLE: ☐ MS/MSD ☐ DUP- | | |
| DISPOSAL METHOD ☐ GROUND ☐ DRUM ☒ OTHER | | | COMMENTS: | | |

| TIME | PURGE RATE (ML/MIN) | PH (SU) | CONDUCTIVITY (umhos/cm) | ORP (mV) | D.O (mg/L) | TURBIDITY (NTU) | TEMPERATURE (°C) | WATER LEVEL (FEET) | CUMULATIVE PURGE VOLUME (GAL OR L) |
|---|---|---|---|---|---|---|---|---|---|
| 1524 | 400 | 7.11 | 427 | -106.1 | 0.1 | 230 | 20.42 | 6.18 | INITIAL |
| 1529 | | 7.08 | 577 | -112.7 | 0.1 | 310 | 17.28 | 6.18 | 2.0 |
| 1534 | | 7.08 | 577 | -122.3 | 0.1 | 32 | 17.00 | 6.18 | 4.0 |
| 1539 | | 7.09 | 576 | -124.6 | 0.1 | 25 | 16.96 | 6.18 | 6.0 |
| 1544 | | 7.06 | 576 | -128.0 | 0.1 | 17 | 17.02 | 6.18 | 8.0 |
| 1549 | | 7.10 | 576 | -132.1 | 0.1 | 9.6 | 16.99 | 6.18 | 10.0 |
| | | | | | | | | | |
| | | ALK = 180 ppm | | | | | | | |
| | | Ferrous = >20 ppm | | | | | | | |
| | | $CO_2$ = 50 ppm | | | | | | | |

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~1~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | ~~PLVOA~~ | Plate Count | ☐ Y ☑ N | 1 | 1L | PLASTIC | A | ☐ Y ☑ N |
| ~~1~~ 1 | 250 mL | ~~PLPT~~ | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ☑ Y ☒ N |

| SHIPPING METHOD: Fed Ex | DATE SHIPPED: 9/12/07 | AIRBILL NUMBER: NA |
|---|---|---|
| COC NUMBER: NA | SIGNATURE: E. Vanil | DATE SIGNED: 9/13/07 |

RMT

# WATER SAMPLE LOG

| PROJECT NAME: L. E. Carpenter | PREPARED | | CHECKED | |
|---|---|---|---|---|
| PROJECT NUMBER: 6527.24 | BY: EV/JO | DATE: 9/12/07 | BY: JT | DATE: 9-14-07 |

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

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

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

| PURGING | TIME: | DATE: 9/12 | SAMPLE | TIME: 1640 | DATE: 9/12/07 |
|---|---|---|---|---|---|

| | |
|---|---|
| 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: |

NA

NA

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

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

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

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

| NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED | NUMBER | SIZE | TYPE | PRESERVATIVE | FILTERED |
|---|---|---|---|---|---|---|---|---|---|
| ~~5~~ 2 | 40 mL | VOA | E | ☐ Y ☑ N | 2 | 1 L | AMBER | F | ☐ Y ☑ N |
| ~~1~~ 2 | 40 mL | VOA | A | ☐ Y ☑ N | 2 | 500 mL | PLASTIC | A | ☐ Y ☑ N |
| 1 | 100 mL | PL ~~VOA~~ | Plate Count | ☐ Y ☑ N | 1 | 1.0 L | PLASTIC | A | ☐ Y ☑ N |
| ~~2~~ 1 | 250 mL | PL ~~GLASS~~ | A | ☐ Y ☑ N | 1 | 250 mL | PLASTIC | C | ☑ Y ☒ N |

| | | | | | |
|---|---|---|---|---|---|
| SHIPPING METHOD: | Fed Ex | DATE SHIPPED: | 9/12/07 | AIRBILL NUMBER: | NA |
| COC NUMBER: | NA | SIGNATURE: | E. Vail | DATE SIGNED: | 9/13/07 |

# Appendix D
# 3rd Quarter 2007
# Laboratory Analytical Report

ENVIRONMENTAL
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Est. 1970

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402

Grand Rapids, MI 49546

# Report Summary

Thursday September 27, 2007

Report Number: L310189
Samples Received: 09/12/07
Client Project: 6527.24

Description: LE Carpenter

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Leslie Newton, ESC Representative

*Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-D-1

Collected By : J. Overvoorde
Collection Date : 09/10/07 18:08

ESC Sample # : L310189-01

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/13/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 108. | | % Rec. | 8260B | 09/13/07 | 1 |
| Dibromofluoromethane | 97.7 | | % Rec. | 8260B | 09/13/07 | 1 |
| 4-Bromofluorobenzene | 93.3 | | % Rec. | 8260B | 09/13/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 7.3 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 80.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 77.9 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 77.8 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-02

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-D-2

Collected By : J. Overvoorde
Collection Date : 09/10/07 18:00

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/13/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 106. | | % Rec. | 8260B | 09/13/07 | 1 |
| Dibromofluoromethane | 97.3 | | % Rec. | 8260B | 09/13/07 | 1 |
| 4-Bromofluorobenzene | 94.6 | | % Rec. | 8260B | 09/13/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 3.0 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 73.0 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 77.9 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 83.3 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-03

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-D-3

Collected By : J. Overvoorde
Collection Date : 09/10/07 17:40

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/13/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 108. | | % Rec. | 8260B | 09/13/07 | 1 |
| Dibromofluoromethane | 96.3 | | % Rec. | 8260B | 09/13/07 | 1 |
| 4-Bromofluorobenzene | 93.8 | | % Rec. | 8260B | 09/13/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.6 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 55.4 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 67.6 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 71.3 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-04

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-D-4

Collected By : J. Overvoorde
Collection Date : 09/10/07 15:25

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/13/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 107. | | % Rec. | 8260B | 09/13/07 | 1 |
| Dibromofluoromethane | 98.5 | | % Rec. | 8260B | 09/13/07 | 1 |
| 4-Bromofluorobenzene | 93.1 | | % Rec. | 8260B | 09/13/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.0 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 78.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 86.0 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 76.4 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-D-5

Collected By : J. Overvoorde
Collection Date : 09/10/07 14:40

ESC Sample # : L310189-05

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/13/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/13/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 107. | | % Rec. | 8260B | 09/13/07 | 1 |
| Dibromofluoromethane | 99.0 | | % Rec. | 8260B | 09/13/07 | 1 |
| 4-Bromofluorobenzene | 93.5 | | % Rec. | 8260B | 09/13/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 3.4 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 67.7 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 90.3 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 85.1 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : DRC-2

Collected By : J. Overvoorde
Collection Date : 09/10/07 14:30

ESC Sample # : L310189-06

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 109. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 99.3 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 92.4 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 58.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 80.7 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 75.3 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-07

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-1

Collected By : J. Overvoorde
Collection Date : 09/10/07 14:50

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 101. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 99.7 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 90.9 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.3 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 56.7 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 75.7 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 81.9 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-08

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-2

Collected By : J. Overvoorde
Collection Date : 09/10/07 14:58

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 102. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 104. | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 92.0 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.7 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 66.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 73.8 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 77.8 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-09

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-3

Collected By : J. Overvoorde
Collection Date : 09/10/07 15:10

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 108. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 102. | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 90.7 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 3.9 | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 84.3 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 86.6 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 105. | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-10

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-4

Collected By : J. Overvoorde
Collection Date : 09/10/07 15:20

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 110. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 98.9 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 89.9 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 19. | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 88.8 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 97.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 111. | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-11

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-5

Collected By : J. Overvoorde
Collection Date : 09/10/07 17:05

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 110. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 99.7 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 91.0 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 60.0 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 74.6 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 84.0 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-12

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : SW-R-6

Collected By : J. Overvoorde
Collection Date : 09/10/07 15:40

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 107. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 99.1 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 92.2 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 68.0 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 78.4 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 93.6 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-13

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : DUP-01

Collected By : J. Overvoorde
Collection Date : 09/10/07 00:00

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 108. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 98.8 | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 91.7 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 86.5 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 88.8 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 94.3 | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-14

Site ID : NJ

Project # : 6527.24

Date Received : September 11, 2007
Description : LE Carpenter - Surface Water

Sample ID : RB-01

Collected By : J. Overvoorde
Collection Date : 09/10/07 18:20

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/14/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/14/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 109. | | % Rec. | 8260B | 09/14/07 | 1 |
| Dibromofluoromethane | 101. | | % Rec. | 8260B | 09/14/07 | 1 |
| 4-Bromofluorobenzene | 91.9 | | % Rec. | 8260B | 09/14/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/12/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 83.2 | | % Rec. | 8270C | 09/12/07 | 1 |
| 2-Fluorobiphenyl | 86.8 | | % Rec. | 8270C | 09/12/07 | 1 |
| p-Terphenyl-d14 | 104. | | % Rec. | 8270C | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : GEI-2S

Collected By : JO-EV
Collection Date : 09/11/07 14:25

ESC Sample # : L310189-16

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 66. | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | 2200 | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 25000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | 490 | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 460000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | 8000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/15/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/15/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 98.1 | | % Rec. | 8260B | 09/15/07 | 1 |
| Dibromofluoromethane | 95.4 | | % Rec. | 8260B | 09/15/07 | 1 |
| 4-Bromofluorobenzene | 100. | | % Rec. | 8260B | 09/15/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 96.3 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 97.1 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 109. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-16 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19-4

Collected By : JO-EV
Collection Date : 09/11/07 13:05

ESC Sample # : L310189-17

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 160 | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | 1800 | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 40000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/13/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 660000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | 1200 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/18/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/18/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 109. | | % Rec. | 8260B | 09/18/07 | 1 |
| Dibromofluoromethane | 107. | | % Rec. | 8260B | 09/18/07 | 1 |
| 4-Bromofluorobenzene | 106. | | % Rec. | 8260B | 09/18/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 97.5 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 97.1 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 114. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-17 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : DUP-02

Collected By : JO-EV
Collection Date : 09/11/07 14:25

ESC Sample # : L310189-18

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 160 | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | 1800 | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 40000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 660000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | BDL | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 99.2 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 95.5 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 101. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 99.2 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 102. | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 110. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-18 (SPC) - subcontracted to Environmental Health Labs

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19-6

Collected By : JO-EV
Collection Date : 09/11/07 14:25

ESC Sample # : L310189-19

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 100 | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | 2000 | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 40000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | 68. | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 820000 | 10000 | ug/l | 160.1 | 09/15/07 | 1 |
| Suspended Solids | 2600 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.0 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 95.8 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 101. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 88.2 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 90.8 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 103. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L310189-19 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19-12

Collected By : JO-EV
Collection Date : 09/11/07 10:10

ESC Sample # : L310189-20

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 73. | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | 890 | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 13000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 290000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | BDL | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.4 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 95.6 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 99.8 | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 101. | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 105. | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 111. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-25 R

Collected By : JO-EV
Collection Date : 09/11/07 12:30

ESC Sample # : L310189-21

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Nitrate | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 14000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 260000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | 10000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 98.7 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 96.1 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 100. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 91.1 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 95.2 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 103. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-22

Site ID : NJ

Project # : 6527.24

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-27S

Collected By : JO-EV
Collection Date : 09/11/07 08:35

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Nitrate | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | 84000 | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Dissolved Solids | 630000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | 150000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/14/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.9 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 97.5 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 101. | | % Rec. | 8260B | 09/16/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-29S

Collected By : JO-EV
Collection Date : 09/11/07 09:50

ESC Sample # : L310189-23

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 1900 | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | 2500 | 100 | ug/l | 3810/RSK17 | 09/13/07 | 10 |
| Ethane, Total | BDL | 100 | ug/l | 3810/RSK17 | 09/13/07 | 10 |
| Ethene, Total | BDL | 100 | ug/l | 3810/RSK17 | 09/13/07 | 10 |
| Ammonia Nitrogen | 8100 | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | 400 | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | 520000 | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | 54000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 98.6 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 96.6 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 100. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 90.3 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 96.4 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 105. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-24

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Site ID : NJ

Sample ID : ATM-01

Project # : 6527.24

Collected By : JO-EV
Collection Date : 09/11/07 10:35

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | BDL | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/12/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/12/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/13/07 | 1 |
| Dissolved Solids | BDL | 10000 | ug/l | 160.1 | 09/14/07 | 1 |
| Suspended Solids | BDL | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.6 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 94.4 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 99.5 | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/13/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 50.3 | | % Rec. | 8270C | 09/13/07 | 1 |
| 2-Fluorobiphenyl | 70.1 | | % Rec. | 8270C | 09/13/07 | 1 |
| p-Terphenyl-d14 | 110. | | % Rec. | 8270C | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-24 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-28I

Collected By : JO-EV
Collection Date : 09/12/07 14:57

ESC Sample # : L310189-25

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 37. | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 560 | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | 280 | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | 270 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 300000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 37000 | 1000 | ug/l | 160.2 | 09/18/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 100. | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 95.7 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 97.2 | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 21. | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 82.6 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 82.3 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 107. | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:55
L310189-25 (SPC) - subcontracted to Environmental Health Labs

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : DUP-03

Collected By : JO-EV
Collection Date : 09/12/07 00:00

ESC Sample # : L310189-26

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 1500 | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethane, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethene, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ammonia Nitrogen | 1100 | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | 330 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 400000 | 10000 | ug/l | 160.1 | 09/15/07 | 1 |
| Suspended Solids | 180000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/20/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/20/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 99.7 | | % Rec. | 8260B | 09/20/07 | 1 |
| Dibromofluoromethane | 93.1 | | % Rec. | 8260B | 09/20/07 | 1 |
| 4-Bromofluorobenzene | 113. | | % Rec. | 8260B | 09/20/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1700 | 200 | ug/l | 8270C | 09/18/07 | 200 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 0.00 | | % Rec. | 8270C | 09/18/07 | 200 |
| 2-Fluorobiphenyl | 0.00 | | % Rec. | 8270C | 09/18/07 | 200 |
| p-Terphenyl-d14 | 0.00 | | % Rec. | 8270C | 09/18/07 | 200 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-26 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-27

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-30S

Collected By : JO-EV
Collection Date : 09/12/07 12:08

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 1700 | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethane, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethene, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ammonia Nitrogen | 1000 | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | 340 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 440000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 220000 | 1000 | ug/l | 160.2 | 09/17/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/20/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/20/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/20/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 102. | | % Rec. | 8260B | 09/20/07 | 1 |
| Dibromofluoromethane | 102. | | % Rec. | 8260B | 09/20/07 | 1 |
| 4-Bromofluorobenzene | 107. | | % Rec. | 8260B | 09/20/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 880 | 50. | ug/l | 8270C | 09/18/07 | 50 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 83.5 | | % Rec. | 8270C | 09/18/07 | 50 |
| 2-Fluorobiphenyl | 107. | | % Rec. | 8270C | 09/18/07 | 50 |
| p-Terphenyl-d14 | 140. | | % Rec. | 8270C | 09/18/07 | 50 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-27 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-28

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Site ID : NJ

Sample ID : MW-30I

Project # : 6527.24

Collected By : JO-EV
Collection Date : 09/12/07 09:58

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | BDL | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 97. | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | 1000 | 100 | ug/l | 350.1 | 09/14/07 | 1 |
| Phosphorus,Total | 330 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 430000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 41000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/18/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/18/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/18/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 104. | | % Rec. | 8260B | 09/18/07 | 1 |
| Dibromofluoromethane | 106. | | % Rec. | 8260B | 09/18/07 | 1 |
| 4-Bromofluorobenzene | 103. | | % Rec. | 8260B | 09/18/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.3 | 1.0 | ug/l | 8270C | 09/17/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 88.4 | | % Rec. | 8270C | 09/17/07 | 1 |
| 2-Fluorobiphenyl | 81.9 | | % Rec. | 8270C | 09/17/07 | 1 |
| p-Terphenyl-d14 | 102. | | % Rec. | 8270C | 09/17/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L310189-28 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-29

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-30D

Collected By : JO-EV
Collection Date : 09/12/07 09:00

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 78. | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | 11000 | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | 160 | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 260000 | 10000 | ug/l | 160.1 | 09/15/07 | 1 |
| Suspended Solids | 9000 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 69.2 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 95.4 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 102. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 85.3 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 84.7 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 94.9 | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L310189-29 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-27S

Collected By : JO-EV
Collection Date : 09/12/07 09:00

ESC Sample # : L310189-30

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 270 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | 120 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.2 | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 74.2 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 73.6 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 109. | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-30 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-31

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19-7

Collected By : JO-EV
Collection Date : 09/12/07 09:58

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 890 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | 390 | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | 16000 | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 120 | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 590000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 1800 | 1000 | ug/l | 160.2 | 09/14/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/16/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/16/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/16/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.5 | | % Rec. | 8260B | 09/16/07 | 1 |
| Dibromofluoromethane | 96.4 | | % Rec. | 8260B | 09/16/07 | 1 |
| 4-Bromofluorobenzene | 100. | | % Rec. | 8260B | 09/16/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/17/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 29.2 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 30.8 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 43.7 | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:55
L310189-31 (SPC) - subcontracted to Environmental Health Labs
L310189-31 (SV8270BN) - Previous run also had low IS/SURR recovery. Matrix effect.

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19-5

Collected By : JO-EV
Collection Date : 09/12/07 11:20

ESC Sample # : L310189-32

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 110 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 840 | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethane, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethene, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 360000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 7800 | 1000 | ug/l | 160.2 | 09/17/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Toluene | 67000 | 2500 | ug/l | 8260B | 09/18/07 | 500 |
| Ethylbenzene | 1100 | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Total Xylenes | 5200 | 300 | ug/l | 8260B | 09/16/07 | 100 |
| Methyl tert-butyl ether | BDL | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 97.0 | | % Rec. | 8260B | 09/16/07 | 100 |
| Dibromofluoromethane | 96.5 | | % Rec. | 8260B | 09/16/07 | 100 |
| 4-Bromofluorobenzene | 104. | | % Rec. | 8260B | 09/16/07 | 100 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.4 | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 77.5 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 76.5 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 99.0 | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:55
L310189-32 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-19

Collected By : JO-EV
Collection Date : 09/12/07 15:10

ESC Sample # : L310189-33

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | 1200 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 300 | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | 760 | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | 110 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 710000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 23000 | 1000 | ug/l | 160.2 | 09/18/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Toluene | 76000 | 2500 | ug/l | 8260B | 09/18/07 | 500 |
| Ethylbenzene | 1500 | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Total Xylenes | 7300 | 300 | ug/l | 8260B | 09/16/07 | 100 |
| Methyl tert-butyl ether | BDL | 100 | ug/l | 8260B | 09/16/07 | 100 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 99.2 | | % Rec. | 8260B | 09/16/07 | 100 |
| Dibromofluoromethane | 96.2 | | % Rec. | 8260B | 09/16/07 | 100 |
| 4-Bromofluorobenzene | 99.2 | | % Rec. | 8260B | 09/16/07 | 100 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 2.6 | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 82.0 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 61.9 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 103. | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-33 (SPC) - subcontracted to Environmental Health Labs

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-28S

Collected By : JO-EV
Collection Date : 09/12/07 15:49

ESC Sample # : L310189-34

Site ID : NJ

Project # : 6527.24

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | BDL | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | 1100 | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethane, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ethene, Total | BDL | 40. | ug/l | 3810/RSK17 | 09/19/07 | 4 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | 340 | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | 350000 | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | 50000 | 1000 | ug/l | 160.2 | 09/18/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/15/07 | 1 |
| Ethylbenzene | 17. | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Total Xylenes | 42. | 3.0 | ug/l | 8260B | 09/15/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 109. | | % Rec. | 8260B | 09/15/07 | 1 |
| Dibromofluoromethane | 100. | | % Rec. | 8260B | 09/15/07 | 1 |
| 4-Bromofluorobenzene | 107. | | % Rec. | 8260B | 09/15/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 49. | 5.0 | ug/l | 8270C | 09/17/07 | 5 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 84.9 | | % Rec. | 8270C | 09/17/07 | 5 |
| 2-Fluorobiphenyl | 92.4 | | % Rec. | 8270C | 09/17/07 | 5 |
| p-Terphenyl-d14 | 84.9 | | % Rec. | 8270C | 09/17/07 | 5 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-34 (SPC) - subcontracted to Environmental Health Labs

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(615) 758-5858
1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27,2007

ESC Sample # : L310189-35

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : RB-02

Collected By : JO-EV
Collection Date : 09/12/07 16:05

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | BDL | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | BDL | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | BDL | 1000 | ug/l | 160.2 | 09/18/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/15/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/15/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 106. | | % Rec. | 8260B | 09/15/07 | 1 |
| Dibromofluoromethane | 102. | | % Rec. | 8260B | 09/15/07 | 1 |
| 4-Bromofluorobenzene | 105. | | % Rec. | 8260B | 09/15/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | BDL | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 74.5 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 72.8 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 96.5 | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-35 (SPC) - subcontracted to Environmental Health Labs

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27, 2007

ESC Sample # : L310189-36

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : RB-03

Collected By : JO-EV
Collection Date : 09/12/07 16:40

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | BDL | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |
| Nitrate | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Nitrite | BDL | 100 | ug/l | 9056 | 09/14/07 | 1 |
| Sulfate | BDL | 5000 | ug/l | 9056 | 09/14/07 | 1 |
| Methane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethane, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ethene, Total | BDL | 10. | ug/l | 3810/RSK17 | 09/19/07 | 1 |
| Ammonia Nitrogen | BDL | 100 | ug/l | 350.1 | 09/18/07 | 1 |
| Phosphorus,Total | BDL | 100 | ug/l | 365.1 | 09/17/07 | 1 |
| Dissolved Solids | BDL | 10000 | ug/l | 160.1 | 09/17/07 | 1 |
| Suspended Solids | BDL | 1000 | ug/l | 160.2 | 09/18/07 | 1 |
| Lead,Dissolved | BDL | 5.0 | ug/l | 6010B | 09/15/07 | 1 |
| Benzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Toluene | BDL | 5.0 | ug/l | 8260B | 09/15/07 | 1 |
| Ethylbenzene | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Total Xylenes | BDL | 3.0 | ug/l | 8260B | 09/15/07 | 1 |
| Methyl tert-butyl ether | BDL | 1.0 | ug/l | 8260B | 09/15/07 | 1 |
| Surrogate Recovery | | | | | | |
| Toluene-d8 | 108. | | % Rec. | 8260B | 09/15/07 | 1 |
| Dibromofluoromethane | 102. | | % Rec. | 8260B | 09/15/07 | 1 |
| 4-Bromofluorobenzene | 102. | | % Rec. | 8260B | 09/15/07 | 1 |
| Base/Neutral Extractables | | | | | | |
| Bis(2-ethylhexyl)phthalate | 1.1 | 1.0 | ug/l | 8270C | 09/14/07 | 1 |
| Surrogate Recovery | | | | | | |
| Nitrobenzene-d5 | 80.4 | | % Rec. | 8270C | 09/14/07 | 1 |
| 2-Fluorobiphenyl | 85.0 | | % Rec. | 8270C | 09/14/07 | 1 |
| p-Terphenyl-d14 | 119. | | % Rec. | 8270C | 09/14/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L310189-36 (SPC) - subcontracted to Environmental Health Labs

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27, 2007

ESC Sample # : L310189-38

Site ID : NJ

Project # : 6527.24

Date Received : September 12, 2007
Description : LE Carpenter - Wells

Sample ID : MW-25 R

Collected By : JO-EV
Collection Date : 09/11/07 12:30

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | >5700 | 1.0 | CFU/ml | 9215B | 09/12/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-38 (SPC) - Subcontracted to Environmental Health Labs

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Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27, 2007

ESC Sample # : L310189-39

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : DUP-03

Collected By : JO-EV
Collection Date : 09/12/07 00:00

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | >5700 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-39 (SPC) - Subcontracted to Environmental Health Labs

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Eric Vincke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

September 27, 2007

ESC Sample # : L310189-40

Site ID : NJ

Project # : 6527.24

Date Received : September 13, 2007
Description : LE Carpenter - Wells

Sample ID : MW-30S

Collected By : JO-EV
Collection Date : 09/12/07 12:08

| Parameter | Result | Det. Limit | Units | Method | Date | Dil. |
|---|---|---|---|---|---|---|
| Standard Plate Count | >5700 | 1.0 | CFU/ml | 9215B | 09/13/07 | 1 |

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/27/07 10:42 Printed: 09/27/07 10:56
L310189-40 (SPC) - Subcontracted to Environmental Health Labs

Attachment A
List of Analytes with QC Qualifiers

| Sample # | Analyte | Qualifier |
|---|---|---|
| L310189-03 | Bis(2-ethylhexyl)phthalate | J6 |
| | Benzene | J6J3 |
| | Toluene | J6J3 |
| | Ethylbenzene | J6J3 |
| | Total Xylenes | J3J6 |
| L310189-16 | Bis(2-ethylhexyl)phthalate | J6 |
| | Methane, Total | J5 |
| | Ethane, Total | J5 |
| L310189-26 | Nitrobenzene-d5 | J7 |
| | 2-Fluorobiphenyl | J7 |
| | p-Terphenyl-d14 | J7 |
| L310189-27 | Methyl tert-butyl ether | J3 |
| L310189-29 | Toluene-d8 | J2 |
| L310189-31 | Nitrobenzene-d5 | J2 |
| | 2-Fluorobiphenyl | J2 |
| | p-Terphenyl-d14 | J2 |

Attachment B
Explanation of QC Qualifier Codes

| Qualifier | Meaning |
|---|---|
| J2 | Surrogate recovery limits have been exceeded; values are outside lower control limits |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high |
| J7 | Surrogate recovery limits cannot be evaluated; surrogates were diluted out |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

| | Control Limits | | | | (AQ) | (SS) |
|---|---|---|---|---|---|---|
| 2-Fluorophenol | 31-119 | Nitrobenzene-d5 | 43-118 | Dibromfluoromethane | 68-128 | 64-125 |
| Phenol-d5 | 12-134 | 2-Fluorobiphenyl | 45-128 | Toluene-d8 | 76-115 | 69-118 |
| 2,4,6-Tribromophenol | 51-141 | Terphenyl-d14 | 43-137 | 4-Bromofluorobenzene | 79-127 | 61-134 |

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain of Custody
Page ___ of ___

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter
City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.24
Lab Project #: RMTGRMI-652725

Collected by (print): J. Overvoorde
Site/Facility ID#: NJ
P.O.#:

Collected by (signature): J Overvoorde
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ..... 200%
___ Next Day ..... 100%
___ Two Day ..... 50%
___ Three Day ..... 25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Analysis/Container/Preservative

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T44116 P221213
Cooler #: 9 5 W
Shipped Via: FedEX Ground

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | SV8270BN-DEHP 1L-Amb-NoPres | V8260BTEX 40mlAmb-HCl | | | | | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-D-1 | Grab | GW | | 9/10/07 | 1808 | 4 | X | X | | | | | | [illegible] |
| SW-D-2 | ↓ | GW | | ↓ | 1800 | 4 | X | X | | | | | | -2 |
| SW-D-3 | | GW | | | 1740 | 4 | X | X | | | | | | -3 |
| SW-D-4 | | GW | | | 1525 | 4 | X | X | | | | | | -4 |
| SW-D-5 | | GW | | | 1440 | 4 | X | X | | | | | | -5 |
| DRC-2 | | GW | | | 1430 | 4 | X | X | | | | | | -6 |
| SW-R-1 | | GW | | | 1450 | 4 | X | X | | | | | | -7 |
| SW-R-2 | | GW | | | 1458 | 4 | X | X | | | | | | -8 |
| SW-R-3 | ↓ | GW | | ↓ | 1510 | 4 | X | X | | | | | | -9 |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

9446 7864 5411
9446 7864 5400
9446 7864 5422
9446 7864 5433

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___ | Condition: (lab use only) |
|---|---|---|---|---|---|
| J Overvoorde | 9/10/07 | 18:30 | Fed Ex | | |
| Relinquished by: [redacted] | Date: | Time: | Received by: [redacted] | Temp: 3.4°C Bottles Received: 60+ 2TB | COC Seal Intact: Y N NA |
| Relinquished by: [redacted] | Date: | Time: | Received for lab by: (Signature) [signature] | Date: 9.11.07 Time: 0900 | pH Checked: NCF: |

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain of Custody
Page ___ of ___

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
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Phone (800) 767-5859
FAX (615) 758-5859

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.24
Lab Project #: RMTGRMI-652725
Collected by (print): J Overvoorde
Site/Facility ID#: NJ
P.O.#:
Collected by (signature): J Overvoorde
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day .....200%
___ Next Day .....100%
___ Two Day .....50%
___ Three Day .....25%

Date Results Needed
Email? ___No ___Yes
FAX? ___No ___Yes

Accnum: RMTGRMI (lab use only)
Template/Prelogin: T44116 P221213
Cooler #: 9 15 10
Shipped Via: FedEx Ground

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | SV8270BN+ DEHP/1,4-Dioxane/NDPyes | V8260BTEX 40mlAmb-HCl | | | | | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-R-4 | Grab | GW | | 9/10/07 | 1520 | 4 | X | X | | | | | | L40139-10 |
| SW-R-5 | ↓ | GW | | ↓ | 1705 | 4 | X | X | | | | | | -11 |
| SW-R-6 | | GW | | | 1540 | 4 | X | X | | | | | | -12 |
| Dup-01 | | GW | | | | 4 | X | X | | | | | | -13 |
| RB-01 | ↓ | GW | | | 1820 | 4 | X | X | | | | | | -14 |
| SW-D-3 ms/msD | Grab | GW | | ↓ | 1740 | 4 | X | X | | | | | | -15 |
| | | GW | | | | 4 | X | X | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____ | Condition: (lab use only) |
|---|---|---|---|---|---|
| J Overvoorde | 9/10/07 | 1830 | Fed Ex | Temp: 3.4°C Bottles Received: 80+ | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | COC Seal Intact: Y N NA | |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 9/11/07 Time: 0900 | pH Checked: NCF |

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain of Custody
Page 1 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
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Phone (800) 767-5859
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Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter
City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.24
Lab Project #: RMTGRMI-652725

Collected by (print): JO/EV
Site/Facility ID#: NJ
P.O.#:

Collected by (signature): J Overvoorde
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ..... 200%
___ Next Day ..... 100%
___ Two Day ..... 50%
___ Three Day ..... 25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Account: RMTGRMI (lab use only)
Template/Prelogin: T41528 P221214
Cooler #: 9/5 KW
Shipped Via: FedEX Ground

Analysis/Container/Preservative

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | Meth, Ethane, Ethene 40mlAmb-NoPres | NH3,T. Phos 250mlHDPE-H2SO4 | Nitrate, Nitrite 125mlHDPE-NoPres | Nitrate,Nitrite 125mlHDPE-NoPres | PBDICP 500mlHDPE-NoPres | SO4,TDS 500mlHDPE-NoPres | SV8270BN 1L-Amb-NoPres | TSS 1L-HDPE NoPres | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~MW-19 MW~~ GE1-2S | Grab | GW | | 9/11/07 | 1425 | 11 | X | X | | X | X | X | X | X | LS10189-16 | ~~[illegible]~~ |
| MW-19-4 | Grab | GW | | 9/11/07 | 1305 | 11 | X | X | X | | X | X | X | X | -17 ~~-15~~ | [illegible] |
| ~~MW-19-5~~ Dup-02 | Grab | GW | | | | 11 | X | X | X | | X | X | X | X | -18 | [illegible] |
| MW-19-6 | Grab | GW | | 9/11/07 | 1425 | 11 | X | X | X | | X | X | X | X | -19 | [illegible] |
| ~~MW-19-7~~ GE1-2S | Grab | GW | | 9/11/07 | 1425 | 11 | X | X | X | | X | X | X | X | -20 | [illegible] |
| MW-19-12 | Grab | GW | | 9/11/07 | 1010 | 11 | X | X | X | | X | X | X | X | -21 | [illegible] |
| MW-25(R) | Grab | GW | | 9/11/07 | 1230 | 11 | X | X | X | | X | X | X | X | -22 | [illegible] |
| MW-27S | Grab | GW | | 9/11/07 | 835 | 8 | X | ~~X~~ | X | | X | X | ~~X~~ | X | -23 | [illegible] |
| MW-~~28S~~ 29S | Grab | GW | | 9/11/07 | 950 | 11 | X | X | X | | X | X | X | X | -24 | [illegible] |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

9446 7864 6473 | 9446 7865 1174 | 9446 7864 6440
9446 7864 6430 | 9446 7864 6451 | 9446 7864 6462

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ | Condition: (lab use only) |
|---|---|---|---|---|---|
| J Overvoorde | 9/11/07 | 1635 | Fed Ex | | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: 3.1°C Bottles Received: 1074 TB | COC Seal Intact: Y N NA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 9/12/07 Time: 9:00AM | pH Checked: <2 NCF: YES |

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain of Custody
Page 2 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.24
Lab Project #: RMTGRMI-652725
Collected by (print): JO EV
Site/Facility ID#: NJ
P.O.#:
Collected by (signature): J Overvoorde
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day .....200%
___ Next Day.....100%
___ Two Day .....50%
___ Three Day .....25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Account: RMTGRMI (lab use only)
Template/Prelogin: T141528/P281314
Cooler Temp: 9.5 °C
Shipped Via: FedEX Ground

Analysis/Container/Preservative

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | Nitrate,Nitrite,Ammonia 40ml Amb-NoPres | NH3,T. Phos 250mlHDPE-H2SO4 | Nitrate,Nitrite 125mlHDPE-NoPres | Nitrate,Nitrite 125mlHDPE-NoPres | RBDICP 500ml HDPE-NoPres | SO4,TDS 500mlHDPE-NoPres | SVOC 40BN 1L Amb-NoPres | TSS 1L-HDPE NoPres | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Am-01 | Grab | GW | | 9/11/07 | 1035 | 11 | X | X | X | | X | X | X | X | L810189-21 ~~-25~~ | ~~-19~~ |
| | | ~~GW~~ | | | | ~~11~~ | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | |
| | | ~~GW~~ | | | | ~~11~~ | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | |
| | | ~~GW~~ | | | | ~~11~~ | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | |
| | | ~~GW~~ | | | | ~~11~~ | ~~X~~ | ~~X~~ | ~~X~~ | | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ | Condition: | (lab use only) |
|---|---|---|---|---|---|---|
| J Overvoorde | 9/11/07 | 1635 | Fed Ex | | | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: 5.1°C Bottles Received: 1071 TB | COC Seal Intact: Y N NA | |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 9/12/07 Time: 9:00AM | pH Checked: NO | pH Adjusted: Y N |

LESLIE

# ENVIRONMENTAL SCIENCE CORP.

## SAMPLE NON-CONFORMANCE FORM

**Sample No. :** ~~L310354~~ L310189

**Date:** 9/12/07

**Evaluated by:** JASON R.

**Client:** RMTGRMI

**Non-Conformance (check applicable items)**

| | | | |
|---|---|---|---|
| ____ | Chain of Custody is missing | X | Login Clarification Needed |
| ____ | Improper container type | ____ | Improper preservation |
| ____ | Chain of custody is incomplete | ____ | Container lid not in tact |
| ____ | Parameter(s) past holding time | ____ | Improper temperature |
| ____ | Broken container(s) **see below** | ____ | Broken container: sufficient sample volume remains for analysis requested |

____ Insufficient packing material around container

____ Insufficient packing material inside cooler

____ Improper handling by carrier (FedEx / UPS / Courier)

____ Sample was frozen

**Comments:** RECEIVED 2 SETS FOR "GEI-2S" - MS/MSD MARKED ON CONTAINERS FOR 1 SET, BUT NOT MARKED ON CoC. (RUN MS/MSD FOR GEI-2S?)

**Login Instructions:**

**TSR Initials:** LW

Client informed by call / email / fax / voice mail date: 9/12/07 time: 12:15

**Client contact:** Eric Fink

cell — 616-340-0382

OK GEI-2S is MS/MSD just as bottles are marked

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain [illegible]dy
Page ___ of ___

Prepared by:
**ENVIRONMENTAL SCIENCE CORP.**
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.24
Lab Project #: RMTGRMI-652725
Collected by (print): JO/EV
Site/Facility ID#: NJ
P.O.#:
Collected by (signature): JOvervoorde
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ..... 200%
___ Next Day ..... 100%
___ Two Day ..... 50%
___ Three Day ..... 25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Accnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/P221214
Cooler #: 9/5 KW
Shipped via: FedEx Ground

Analysis/Container/Preservative

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | Meth, Ethane, Ethene 40mlAmb-NoPres | NH3,T. Phos 250mlHDPE-H2SO4 | Nitrate, Nitrite 125mlHDPE-NoPres | Nitrate,Nitrite 125mlHDPE-NoPres | PBDICP 500mlHDPE-NoPres | SO4,TDS 500mlHDPE-NoPres | SV8270BN 1L-Amb-NoPres | TSS 1L-HDPE NoPres | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-28I | Grab | GW | | 9/12/07 | 1457 | 11 | X | X | X | | X | X | X | X | | L310189 25 |
| ~~MW-29S~~ Dup-03 | | GW | | | — | 11 | X | X | X | | X | X | X | X | | 26 |
| MW-30S | | GW | | | 1208 | 11 | X | X | X | | X | X | X | X | | 27 |
| MW-30I | | GW | | | 958 | 11 | X | X | X | | X | X | X | X | | 28 |
| MW-30D | | GW | | | 900 | 11 | X | X | X | | X | X | X | X | | 29 |
| MW-27S | | GW | | | 900 | 11 | X | X | X | | X | X | X | X | | 30 |
| MW-19-7 | | GW | | | 958 | 11 | X | X | X | | X | X | X | X | 11 containers | 31 |
| MW-19-5 | | GW | | | 1120 | 11 | X | X | X | | X | X | X | X | | 32 |
| MW-19 | | GW | | | 1510 | 11 | X | X | X | | X | X | X | X | | 33 |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

5446 9864 6781
6772
5478 6407
6360
6370
6418

pH _____ Temp _____
Flow _____ Other _____

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| JOvervoorde | 9/12/07 | 1808 | Fed Ex |
| Relinquished by: [illegible] | Date: | Time: | Received by: (Signature) |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) [signature] |

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____
Temp: 25 Bottles Received: 125 / 75
Date: 9/13/07 Time: 900

Condition: (lab use only)
COC Seal Intact: Y N NA
pH Checked: Y NCF: /

# RMT, Inc - Grand Rapids, MI

2025 East Beltline Ave. SE Ste 402
Grand Rapids,MI 49546

Alternate billing information:

Chain [illegible]dy
Page ___ of ___

Prepared by:

**ENVIRONMENTAL SCIENCE CORP.**
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.24

Lab Project #: RMTGRMI-652725

Collected by (print): JO/EV

Site/Facility ID#: NJ

P.O.#:

Collected by (signature): [signature]

Immediately Packed on Ice N___ Y X

*Rush?* ( Lab MUST Be Notified )
___ Same Day .....200%
___ Next Day.....100%
___ Two Day.....50%
___ Three Day.....25%

Date Results Needed

Email? __No __Yes
FAX? __No __Yes

Analysis/Container/Preservative

Accrium: RMTGRMI (lab use only)
Template/Prelogin: T41528/P221214
Cooler #: 915 KW
Shipped Via: FedEX Ground

| Sample ID | Comp/Grab | Matrix* | Depth | Date | Time | No. of Cntrs | V8260BTEXM 40mlAmb-HCl | Remarks/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| MW-28S | Grab | GW | | 9/12/07 | 1549 | 11 | X | | 6712 [illegible] |
| RB-02 | ↓ | GW | | ↓ | 1605 | 11 | X | | 35 |
| RB-03 | ↓ | GW | | ↓ | 1640 | 11 | X | | 36 |
| Trip blank | ↓ | GW | | | | 10 | X | | 37 |
| | | ~~GW~~ | | | | ~~11~~ | ~~X~~ | | |

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Flow _____ Other _____

Remarks:

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ | Condition: (lab use only) |
|---|---|---|---|---|---|
| [signature] | 9/12/07 | 1808 | Fed EX | | |
| Relinquished by: [redacted] | Date: | Time: | Received by: [redacted] | Temp: 2.5 Bottles Received: 125 / TB | COC Seal Intact: Y N NA |
| Relinquished by: [redacted] | Date: | Time: | Received for lab by: (Signature) [signature] | Date: 9/13/07 Time: 9a | pH Checked: 2.2 NCF: |

# ENVIRONMENTAL SCIENCE CORP.

## Cooler Receipt Form

Client: RMTGRMI L310189 ~~L310354~~

Cooler Received On: 9/12/07 and Opened On: 9/12/07 By: JASON ROMER

(Signature)

1. Temperature of cooler when opened: 3.1 Degrees Celsius
2. Were custody seals on outside of cooler and intact? YES NO
   a. If yes, what kind and where: _____
   b. Were the signature and date correct? YES NO
3. Were custody seals on containers intact? YES NO
4. Were custody papers inside cooler? YES NO
5. Were custody papers properly filled out (ink, signed, etc.) YES NO
6. Did you sign the custody papers in the appropriate place? YES NO
7. What kind of packing material was used? Bubblewrap Peanuts Other None
8. Was sufficient ice used (if appropriate)? YES NO
9. Did all bottles arrive in good condition? YES NO
10. Were all bottle labels complete? (#, date, signed, pres, etc)? YES NO
11. Did all bottle labels and tags agree with custody papers? YES NO
12. Were correct bottles used for the analyses requested? YES NO
13. If applicable, was an observable VOA headspace present? YES NO
14. Was sufficient amount of sample sent in each bottle? YES NO
15. Were correct preservatives used? YES NO
16. Corrective action taken, if necessary: NCF (ATTACHED)
    a. Name of person contacted: See attached for resolution if needed
    b. Date: 9/12/07

# ENVIRONMENTAL SCIENCE CORP.

## SAMPLE NON-CONFORMANCE FORM

**Sample No. :** _____

**Date:** 9/13/07

**Evaluated by:** Matt Shacklock

**Client:** RMTOAMI

**Non-Conformance (check applicable items)**

| | | | |
|---|---|---|---|
| _____ | Chain of Custody is missing | _____ | Login Clarification Needed |
| _____ | Improper container type | _____ | Improper preservation |
| _____ | Chain of custody is incomplete | _____ | Container lid not in tact |
| _____ | Parameter(s) past holding time | _____ | Improper temperature |
| _____ | Broken container(s) **see below** | _____ | Broken container: sufficient sample volume remains for analysis requested |

_____ Insufficient packing material around container

_____ Insufficient packing material inside cooler

_____ Improper handling by carrier (FedEx / UPS / Courier)

_____ Sample was frozen

**Comments:** APPEARS that we are missing the chains that says what Volatiles test for the first chain. Also looks like we are missing the chains that says the rest of the test for page 2. We got Everything we Should have.

**Login Instructions:**

**TSR Initials:** KW

Client informed by call / email / fax / voice mail date: 9/13/07 time: 10:55

**Client contact:**

V8260 BTEXM

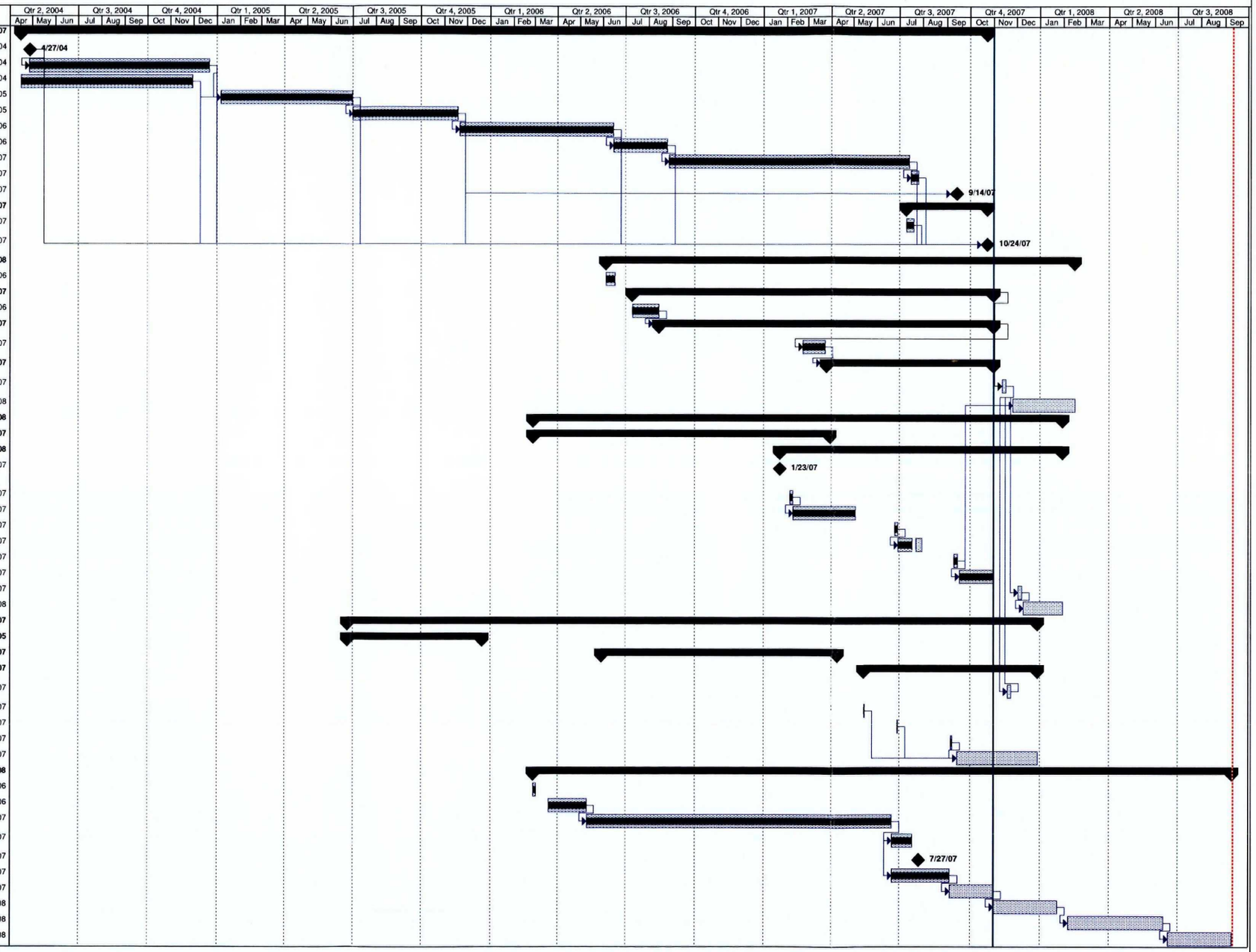
# Appendix E
# Project Schedule

Calander Years 2004 & 2007

# L. E. Carpenter & Company ~ Wharton NJ
## MASTER PROJECT SCHEDULE

USEPA ID No. NJD002168748
3Q07 RAPR

| ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|
| 1 | **SOURCE REDUCTION** | **918 days** | **Fri 4/16/04** | **Wed 10/24/07** |
| 2 | Submit the RAWP for Source Reduction | 0 days | Tue 4/27/04 | Tue 4/27/04 |
| 3 | Regulatory review and approval of RAWP | 171 days | Tue 4/27/04 | Tue 12/21/04 |
| 4 | Finalize preconstruction permitting issues | 162 days | Fri 4/16/04 | Mon 11/29/04 |
| 5 | Source Reduction Remedial Action [Field Construction] | 126 days | Thu 1/6/05 | Thu 6/30/05 |
| 6 | Prepare and submit the Source Reduction Remedial Action Report (RAR) | 101 days | Fri 7/1/05 | Fri 11/18/05 |
| 7 | Regulatory review and comment on RAR | 148 days | Mon 11/21/05 | Wed 6/14/06 |
| 8 | RMT response to 6/14/06 regulatory RAR comments | 52 days | Thu 6/15/06 | Fri 8/25/06 |
| 9 | Regulatory review of 8/25/06 RAR response to comments | 230 days | Mon 8/28/06 | Fri 7/13/07 |
| 10 | RMT response to 7/13/07 NJDEP email on RAR comments | 8 days | Mon 7/16/07 | Wed 7/25/07 |
| 11 | Regulatory approval of RAR and 6/14/06, 8/25/06 and 7/13/07 comments | 0 days | Fri 9/14/07 | Fri 9/14/07 |
| 12 | **USEPA Source Reduction Explanation of Significant Difference [ESD]** | **76 days** | **Tue 7/10/07** | **Wed 10/24/07** |
| 13 | Conversations with and response to USEPA [Michelle Granger] ESD emails dated July 10 and July 13 2007 | 8 days | Tue 7/10/07 | Thu 7/19/07 |
| 14 | USEPA issues an ESD for soils and free product addressed through implementation of the Source Reduction | 0 days | Wed 10/24/07 | Wed 10/24/07 |
| 15 | **PRMP IMPLEMENTATION** | **445 days** | **Mon 6/5/06** | **Fri 2/15/08** |
| 16 | Partial Field Implementation and Documentation of the PRMP | 10 days | Mon 6/5/06 | Fri 6/16/06 |
| 17 | **NJDEP LURP Mounded Monitoring Well Installation Permitting** | **343 days** | **Mon 7/10/06** | **Wed 10/31/07** |
| 18 | GP-14 Permit Application Preparation and Submittal to NJDEP LURP | 26 days | Mon 7/10/06 | Mon 8/14/06 |
| 19 | **NJDEP LURP GP-14 Permit Application Completeness and Technical Review** | **317 days** | **Tue 8/15/06** | **Wed 10/31/07** |
| 66 | Stream Encroachment Permit [SEP] Modification Application Preparation and Submittal to NJDEP LURP | 22 days | Thu 2/22/07 | Fri 3/23/07 |
| 67 | **NJDEP LURP SEP Modification Application Completeness and Technical Review** | **158 days** | **Mon 3/26/07** | **Wed 10/31/07** |
| 105 | Finalize PRMP Field Implementation by Installing the Five (5) Mounded Wetland Monitoring Wells (MW-31S - MW-35S) | 5 days | Mon 11/12/07 | Fri 11/16/07 |
| 106 | Preparation and Submittal of the Final PRMP Implementation Report | 60 days | Mon 11/26/07 | Fri 2/15/08 |
| 107 | **QUARTERLY MONITORING AND REPORTING** | **503 days** | **Mon 2/27/06** | **Wed 1/30/08** |
| 108 | **2006 Monitoring and Reporting** | **285 days** | **Mon 2/27/06** | **Fri 3/30/07** |
| 118 | **2007 Monitoring and Reporting** | **267 days** | **Tue 1/23/07** | **Wed 1/30/08** |
| 119 | RMT & NJDEP Phone Conversation and Project Status Update [N. Clevett & G. Savary] - Submittal Reviews, Wetland Area Wells and Permitting, & Grace Period Rules | 0 days | Tue 1/23/07 | Tue 1/23/07 |
| 120 | Conduct 1Q07 Monitoring Event | 4 days | Mon 2/5/07 | Thu 2/8/07 |
| 121 | Prepare and Submit 1Q07 Remedial Action Progress Report | 60 days | Fri 2/9/07 | Thu 5/3/07 |
| 122 | Conduct 2Q07 Monitoring Event | 4 days | Mon 6/25/07 | Thu 6/28/07 |
| 123 | Prepare and Submit 2Q07 Remedial Action Progress Report | 19 days | Fri 6/29/07 | Mon 7/30/07 |
| 124 | Conduct 3Q07 Monitoring Event | 5 days | Mon 9/10/07 | Fri 9/14/07 |
| 125 | Prepare and Submit 3Q07 Remedial Action Progress Report | 33 days | Mon 9/17/07 | Wed 10/31/07 |
| 126 | Conduct 4Q07 Monitoring Event | 5 days | Mon 12/3/07 | Fri 12/7/07 |
| 127 | Submit 4Q07 Remedial Action Progress Report | 38 days | Mon 12/10/07 | Wed 1/30/08 |
| 128 | **WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING** | **656 days** | **Fri 6/24/05** | **Fri 12/28/07** |
| 129 | **2005 Wetland Monitoring and Reporting** | **128 days** | **Fri 6/24/05** | **Tue 12/20/05** |
| 133 | **2006 Wetland Monitoring and Reporting** | **225 days** | **Tue 5/30/06** | **Mon 4/9/07** |
| 139 | **2007 Wetland Monitoring, Invasive Species Control, Restoration & Reporting** | **164 days** | **Tue 5/15/07** | **Fri 12/28/07** |
| 140 | PRMP Implementation Wetland Restoration Activities [Mounds and Disturbed Areas] | 5 days | Mon 11/19/07 | Fri 11/23/07 |
| 141 | Spring 2007 Monitoring Event | 1 day | Tue 5/15/07 | Tue 5/15/07 |
| 142 | Spring 2007 Invasive Species Control Event | 1 day | Thu 6/28/07 | Thu 6/28/07 |
| 143 | Fall 2007 Monitoring and Invasive Species Control Event | 2 days | Thu 9/6/07 | Fri 9/7/07 |
| 144 | 2007 Annual Wetland Monitoring Report Preparation and Submittal | 76 days | Fri 9/14/07 | Fri 12/28/07 |
| 145 | **MW19/HOT SPOT 1 AREA** | **662 days** | **Mon 2/27/06** | **Tue 9/9/08** |
| 146 | MW19/Hot Spot 1 Soil Gas Investigation | 4 days | Mon 2/27/06 | Thu 3/2/06 |
| 147 | Prepare and submit the MW19/Hot Spot 1 Soil Gas Investigation Report | 37 days | Mon 3/20/06 | Tue 5/9/06 |
| 148 | Regulatory review and comment on MW19/Hot Spot 1 Soil Gas Investigation Report | 291 days | Wed 5/10/06 | Wed 6/20/07 |
| 149 | Prepare and Submit RMT Response Document [45-Day Extension Request] [MW-19/Hot Spot 1 Soil Gas Investigation Comments/NOD] dated June 20, 2007 | 19 days | Thu 6/21/07 | Tue 7/17/07 |
| 150 | Regulatory approval of the 45-Day RASR extension | 0 days | Fri 7/27/07 | Fri 7/27/07 |
| 151 | Evaluate Remedial Alternatives, Prepare and Submit the RASR | 54 days | Thu 6/21/07 | Tue 9/4/07 |
| 152 | NJDEP Review and Approval of the RASR | 41 days | Wed 9/5/07 | Wed 10/31/07 |
| 153 | Respond to regulatory comments on RASR | 60 days | Thu 11/1/07 | Wed 1/23/08 |
| 154 | Pilot Testing and Implement Approved Remedial Approach | 90 days | Thu 2/7/08 | Wed 6/11/08 |
| 155 | Prepare and Submit the MW19/HS1 RAR | 60 days | Wed 6/18/08 | Tue 9/9/08 |




Wed 10/31/07

Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary | Deadline
Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks | External Milestone

edays: elapsed days or calendar days



i:\wpgrm\pjt\00-03868\37\Site LEC Master Remedial Schedule.mpp
Wed 10/31/07

**Stream Encroachment Permit [SEP] Modification Application Preparation and Submittal to NJDEP LURP**
Based on conversations, RMT decided to prepare the SEP permit modification application package wo LURP written notice of requirement and GP-14 deficiencies. Needed to get SEP mod into LURP system to avoid more extensive delays.