Quarterly Monitoring Report

3rd Quarter 2006

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

USEPA ID No. NJD002168 748

November 2006

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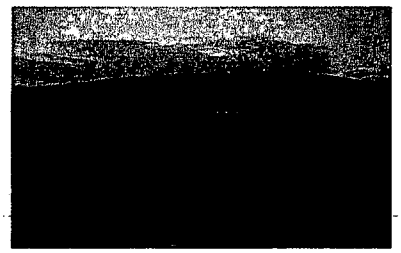

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Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events are performed at the site to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the New Jersey Department of Environmental Protection (NJDEP). We provide a summary of activities completed during the third quarter of 2006 (3Q06), including but not limited to, the continued quarterly Monitored Natural Attenuation (MNA) groundwater monitoring in the MW19/Hot Spot 1 Area located at the northwest corner of the site.

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 3Q06:

- Quarterly monitoring of both the MW19/Hot Spot 1 area and adjacent surface water bodies (*i.e.*, Rockaway River and drainage channel) 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 3Q06 groundwater monitoring activities September 11 through September 14, 2006. 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.

Two sample duplicates, trip blanks, a field (atmosphere) blank, a matrix spike/matrix spike duplicate (MS/MSD), 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 monitoring well MW-19-4 (duplicate sample No. Dup-01) and SW-D-3 (duplicate sample No. Dup-03), and were analyzed for BTEX and di (2-ethylhexyl) phthalate (DEHP). Dup-01 was also analyzed for MNA parameters. Rinsate blank RB-02 was collected by circulating triple

distilled water through the cleaned bladder pump assembly to verify the decontamination procedures were adequate. A second rinsate blank (RB-03) 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 provided by the laboratory, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted all samples to Lancaster Laboratories, Inc. (Lancaster), located in Lancaster, Pennsylvania for BTEX, DEHP, and MNA parameter analysis per the current MNA groundwater monitoring protocol (State of New Jersey Lab Certification No. PA011).

2.3 Groundwater Elevations and Flow Direction

On September 11, 2006, RMT measured static groundwater levels from 33 different locations as shown on Figure 2. These data were used to calculate groundwater elevations with respect to the National Geodetic Vertical Datum (NGVD) and are summarized on Table 1. Surface water elevation measurements were also collected from the newly surveyed surface water monitoring points SW-R1, SW-R2, SW-R3, SW-R4, SW-R5, and SW-R6, and from the resurveyed drainage ditch staff gauge locations SW-D-1, SW-D-2, SW-D-3 (Table 1). Existing location SG-R1 has been replaced by SW-R5. Surface water elevation data from existing location Rockaway River staff gauge SG-R2 was also measured. All this data was used to calculate groundwater elevations and evaluate the groundwater flow pattern in the shallow aquifer system. A preliminary site-wide contour map has been prepared and is discussed further in Section 4.3 of this report.

Figure 3 displays the MW19/Hot Spot 1 Area shallow groundwater elevation contours, and shows the shallow groundwater flow direction is generally similar to that observed historically (generally toward the northeast). From a regional flow standpoint, overall flow is controlled by the Washington Forge Pond and the Rockaway River. The Rockaway River eventually captures groundwater from MW-19/Hot Spot 1 Area.

Although at the time of installation, existing data showed that the location for MW-19-11 was downgradient from the leading edge of groundwater contamination, groundwater elevation data collected after MW-19-11 was installed showed subtle changes in flow direction, and the MW-19-11 location actually turned out to be not directly downgradient from the leading edge of groundwater contamination (see detailed discussion of groundwater elevation and flow data, in addition to a summary figure of groundwater elevation contours from 2001 to 2005 that was

presented in Section 2.3 and on Figure 6 of the 4Q05 Monitoring Report). For this reason, RMT recently installed MW-19-12, which is located between MW-19-8 and MW-19-11.

Groundwater elevation data obtained for the MW-19 area wells, including the newly installed well, show that MW-19-12 is indeed directly downgradient from the leading edge of residual groundwater contamination (Figures 3 and 4). The 3Q06 groundwater sample laboratory test results for MW-19-12 show no detectable constituents of concern. These data confirm that the lateral extent of residual groundwater contamination is predominantly limited to the LEC site property, and extends only slightly into the Ross Street right-of-way (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 12 – 13, 2006. Corresponding field sampling data and analytical laboratory reports are presented in Appendix C and Appendix D, respectively.

The New Jersey Groundwater Quality Standard (NJGWQS) for DEHP, 30 µg/L, is not exceeded in any of the sampled monitoring wells during the 3Q06 monitoring event. Toluene and total xylenes exceed the NJGWQS of 1000 µg/L and 40 µg/L, respectively, in groundwater collected from MW-19 and MW-19-5. Groundwater sampled from MW-19-7 also exceeded the NJGWQS for total xylenes as well as for benzene. Furthermore, monitoring well MW-19 exceeded the NJGWQS for ethylbenzene.

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).

No BTEX or DEHP have ever been detected in MW-19-11. However, as described above, for the seventh time since MW-19-11 was installed, data show northeasterly groundwater flows slightly more to the north between MW-19-7 and MW-19-11. 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 indeed 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 limited in extent.

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. The COC plume appears to exist under relatively equilibrium conditions [as described further below during the discussion of natural attenuation (NA)] although possibly affected by short-lived pulses of contaminant flow, which reaches its maximum distance 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 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 in to account total concentrations together with particle flow-paths that would occur normal 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 head data that continues to show 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 likely protective of the environment 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 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. 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 3Q06.

Note that MW-19-7 did not appear to be directly downgradient during the third quarter of 2004 (3Q04) (August 2004) and the 3Q05 (July 2005) events, which are likely the reason that concentrations were non-detect or just slightly elevated above detection for those two 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 and is sourced from infiltration through residual soil contamination in the vadose zone is very limited in extent.

Intrinsic Bioremediation

The following is an expanded discussion of NA parameter testing results that supports the occurrence of intrinsic bioremediation within the MW-19/Hot Spot 1 Area.

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 clear evidence of significant 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.

The occurrence of biodegradation via methanogenesis is clearly demonstrated by comparing methane concentrations (Table 3) from the background well (MW-19-4) through residual source area wells (MW-19 and MW-19-5), to the wells downgradient of residual source area (MW-19-7 and MW-19-12). Methane is not detected in the background well, but is elevated within or just downgradient from the residual source area, especially during those times of concentration spikes caused by infiltration events and/or water table fluctuations (note that methane concentrations decrease significantly during those periods of lower concentrations in groundwater within the residual source area). Specifically, methane was detected in MW-19 (0.31 ppm) and in MW-19-5 (0.70 ppm) during the 3Q06 event. As the biodegradation process consumes more of the BTEX, methane levels become much higher in the next downgradient well, MW-19-7 (8.6 ppm during the 3Q06 event), while the total BTEX concentrations decrease (from 28.37 ppm in MW-19-5 to 0.48 ppm in MW-19-7 for 3Q06). Proceeding further downgradient to the new well MW-19-12, the methane concentration drops (0.17 ppm), while the total BTEX concentration drops to non-detectable levels (similar to the background well MW-19-4). These data, together with the trend to much lower total BTEX concentrations in MW-19-7 to non-detect in 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.

Section 3
Source Reduction Area Sampling

This 3Q06 event marks the second time the limited new PRMP wells have been sampled [the PRMP wells slated to be installed in the Wharton Enterprises property wetland area are currently awaiting approval of a GP-14 wetland and Stream Encroachment permit from the NJDEP Land Use Regulation Program (LURP)].

We have prepared a site-wide groundwater contour map (Figure 5). 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 approximated 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 low detections of COCs in some of the ditch surface water samples (see Section 4 below). Based on the groundwater flow directions over the past two quarterly events, the proposed locations for wetland wells MW-33 and MW-34 have been adjusted as shown on Figures 2 and 5.

The analytical results from both events are summarized in Table 2. As expected, dissolved groundwater contamination was found in the new shallow wells MW-28s and MW-30s (Table 2); no measurable free product was found in the wells. Based on the groundwater flow map for the whole site (Figure 5), the receptor downgradient from MW-28 is the wetland area and the ditch and river. Additional monitoring points are slated for installation in this area once the new wetland (GP-14) and stream encroachment permits have been obtained from the LURP. As reported below, most of the river surface water samples were "non-detect" for the COC. One of those samples, SW-R-3 (Figure 2), contained a "J-qualified" concentration of DEHP at 2.0 µg/L. The receptor downgradient from the MW-30 well cluster is the ditch. The surface water elevation data for the ditch shows that it is a pond formed as a result of a beaver dam (Figure 2). While no VOCs have been detected in the ditch surface water samples, most of the samples

contained low levels of DEHP. In the locations that were also sampled in 2005, levels of DEHP are generally lower in 2006.

The shallow wells lie within the center (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 floor. At the MW-30 location, a deeper well was installed just below the shallow well (screened to about 5 feet below the bottom of the shallow well screen). Analytical results from this intermediate-depth well show a significant drop in concentration (see data for MW-30i; Table 2). No contaminants were detected in the deepest well (MW-30d; Table 2), which shows 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 floor at that location.

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 3Q06 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. Laboratory testing results for these samples are summarized on Table 5.

Toluene and DEHP concentrations were detected in the surface water sample collected at background location SW-D-1 (head of the ditch) at concentrations of 0.2 µg/L and 11 µg/L, respectively. However, the detections were "J-qualified" meaning they were an estimated value falling between the method detection limit (MDL) and the Limit of Quantitation (LOQ). The surface water sample SW-D-2 was collected in the ditch adjacent to the former seep (recently removed as part of the source reduction) contained DEHP, which was detected at 2.0 µg/L. However, the detection was "J-qualified" as well. Concentrations of DEHP were also detected in surface water samples SW-D-3, SW-D-4, and SW-D-5 at concentrations of 1.0 µg/L, 2.0 µg/L, and 10 µg/L, respectively. However, the results were also all "J-qualified." No BTEX was detected at SW-D-2, or the downstream surface water samples collected at SW-D-3, SW-D-4, and SW-D-5. All BTEX concentrations are below the surface water quality criteria (WQC) for toxic substances outlined in N.J.A.C 7:9B-1.14, however all DEHP concentrations in ditch-water samples exceed the WQC of 1.76 µg/L with the exception of surface water sample SW-D-3 which had a concentration of 1.0 µg/L. These data show that residual groundwater contamination remaining in the source reduction area is migrating into the drainage ditch, which is expected given the direction of groundwater seepage flow shown on Figure 5. However, it is important to note that these concentrations are "J" qualified (estimated by the lab

because the actual concentration is so low), and is not detected in the actively flowing portion of the ditch below the beaver dam (see Rockaway River discussion below).

4.2 Rockaway River

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

Sample SW-R-1 was collected near the river edge adjacent to the location where absorbent booms were placed in order to prevent visible product sheen from 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 did not contain detectible levels of BTEX or DEHP.

River sample SW-R-2 was taken directly upstream of where the former absorbent booms were placed and near the staff gauge SG-R2 location. The surface water sample collected in the river at SW-R-2 also did not contain detectible concentrations of BTEX or DEHP.

River sample SW-R-3 was taken upstream of SW-R-2 near the staff gauge SG-R3 location. The surface water sample collected in the river at SW-R-3 contained a "J-qualified" concentration of DEHP at 2.0 µg/L.

Rockaway River surface water samples SW-R-4 through SW-R-6 were non-detect for all COC.

The seventh 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). The "Ditch-River Confluence" sample DRC-2 was non-detect for all COC. This result indicates that water flowing out of the ditch (a linear pond caused by the beaver dam) is not contributing contaminant mass to the Rockaway River. 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
Remedial Actions and Future Activities

The following section briefly outlines additional remedial activities completed in 3Q06 and activities anticipated for implementation during 4Q06. The 4Q06 MW-19/Hot Spot 1 sampling activities are tentatively scheduled for November 2006. The installation of the remaining five LEC wetland groundwater monitoring wells (MW-31, 32, 33, 34, and 35) will be performed following approval of the GP-14 permit application submitted to NJDEP LURP in August 2006.

5.1 Source Reduction Construction Project

As we outlined in the final source reduction progress updates 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 comment letter from the NJDEP, dated June 14, 2006. RMT, on behalf of PolyOne, prepared a response to comments dated August 25, 2006, and is currently awaiting notice of final approval.

5.2 Emergency Response Activities

Emergency response activities have been terminated, as source reduction activities are now complete. RMT visually inspected these areas during the 3Q06 sampling event (at the same time adjacent surface water samples were collected). RMT did not observe sheen flowing away from the area in these surface water bodies.

5.3 Post Source Reduction Site Monitoring

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 review and comment letter regarding the PRMP was received by LEC on February 22, 2006. LEC began installing the PRMP monitoring well network on June 6, 2006. RMT and LEC has submitted the necessary GP-14 permit application to the NJDEP LURP authorizing installation of the remaining five monitoring wells that will be placed in the wetland area and are currently awaiting approval.

As outlined above in Section 3, no measurable free product was found in the new PRMP wells installed within the center of, and at the downgradient edge of the source reduction area. Although as expected, dissolved concentrations of site COC (predominantly xylenes and DEHP) are detected in these wells. In addition to the documented volumes of contaminated soils and free product removed from the site during the 2005 source reduction, the PRMP well information further demonstrates that the source reduction was successful in removing recoverable free product from the subsurface.

5.4 MW19/Hot Spot 1 Vapor Intrusion Investigation

RMT conducted the soil gas investigation activities on March 1, 2006, in accordance with the October 2005 NJDEP Vapor Intrusion Guidance and the NJDEP Revised Field Sampling Procedures Manual (August 2005). The soil gas investigation report was submitted in May 2006. During the installation of MW-19-12 on June 7, 2006, a soil gas sample was collected. The laboratory data for that soil gas sample is included in Appendix E. Only 1,3-butadiene was detected at a level (8.9 ppbv) just slightly above its NJDEP soil gas screening level (5 ppbv). This compound is not a COC at the LEC site, and was not used in the manufacturing process there. Its most common use is in the production of synthetic rubber, such as styrene-butadiene rubber. This type of rubber is the material most commonly used for the production of automobile tires, and the very low levels of 1,3-butadiene in the soil gas below Ross Street is most likely a function of automobile traffic on the road. The soil gas data from MW-19-12 is consistent with the conclusions presented in our May 2006 soil gas invention report. Specifically, the area of dissolved groundwater contamination that is shown to be predominantly limited to the LEC property do not represent a risk for transport of soil-vapors to the residences on the north side of Ross Street. Therefore, no active remediation is warranted for this area.

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	11-Sep-06	10.43	627.17
GEI-2S	Piezometer	754566	470506.18	634.86	637.27	637.07	11-Sep-06	10.15	626.92
GEI-3I	Piezometer	754311.79	470453.7	636.96	639.39	639.25	11-Sep-06	12.73	626.52
MW-8	Monitoring Well	754099.29	471251.06	627.39	629.96	628.19	11-Sep-06	3.11	625.08
MW-9	Monitoring Well	754075.94	471111.03	628.61	631.09	629.58	11-Sep-06	3.92	625.66
MW-12S(R)	Monitoring Well	754055.97	471042.34	631.57	634.26	633.73	11-Sep-06	8.03	625.70
MW-13S	Monitoring Well	754353.97	471370.04	627.74	630.80	630.63	11-Sep-06	5.25	625.38
MW-13S(R)	Monitoring Well	754333.07	471365.71	627.66	630.36	629.99	11-Sep-06	4.67	625.32
MW-13I	Monitoring Well	754337.8	471360.31	627.76	630.28	630.06	11-Sep-06	4.58	625.48
MW-15S	Monitoring Well	754326.58	470891.83	634.23	636.43	636.17	11-Sep-06	10.34	625.83
MW-15I	Monitoring Well	754325.8	470901.47	634.14	636.28	636.06	11-Sep-06	10.21	625.85
MW-17	Monitoring Well	754109.68	470759.85	632.35	634.32	634.19	11-Sep-06	8.21	625.98
MW-18S	Monitoring Well	754677.95	471117.26	627.62	630.88	630.66	11-Sep-06	5.10	625.56
MW-18I	Monitoring Well	754675.11	471106.07	627.75	630.59	630.44	11-Sep-06	4.50	625.94
MW-19	Monitoring Well	754537.15	470454.45	636.22	636.23	635.90	11-Sep-06	8.95	626.95
MW-19-1	Monitoring Well	754534.52	470427.63	635.93	635.96	635.64	11-Sep-06	8.62	627.02
MW-19-2	Monitoring Well	754551.81	470429.56	636.46	636.50	636.30	11-Sep-06	9.33	626.97
MW-19-3	Monitoring Well	754539.4	470394.2	636.97	637.06	636.70	11-Sep-06	9.70	627.00
MW-19-4	Monitoring Well	754505.39	470432.08	635.69	635.76	635.43	11-Sep-06	8.29	627.14
MW-19-5	Monitoring Well	754565.53	470470.75	635.93	635.93	635.56	11-Sep-06	8.73	626.83
MW-19-6	Monitoring Well	754578.87	470443.1	636.17	636.16	635.82	11-Sep-06	8.91	626.91
MW-19-7	Monitoring Well	754595.66	470501.7	635.31	635.36	635.00	11-Sep-06	8.20	626.80
MW-19-8	Monitoring Well	754617.42	470493.65	635.82	635.82	635.36	11-Sep-06	8.65	626.71
MW-19-9D	Monitoring Well	754590	470442	636.39	636.41	636.10	11-Sep-06	8.68	627.42
MW-19-10	Monitoring Well	754625.75	470590.81	634.72	634.81	634.43	11-Sep-06	7.18	627.25
MW-19-11	Monitoring Well	754617.45	470546.95	634.22	634.26	633.67	11-Sep-06	7.02	626.65
MW-19-12	Monitoring Well	754627.53	470529.72	634.93	634.93	634.46	11-Sep-06	7.97	626.49
MW-21 [3]	Monitoring Well	754240.97	471645.78	624.57	628.49	628.20	11-Sep-06	3.19	625.01
MW-25(R) [3]	Monitoring Well	754201.83	471518.21	624.65	626.77	626.62	11-Sep-06	2.23	624.39
MW-27s	Monitoring Well	754253.78	470672.69	635.82	635.78	635.07	11-Sep-06	8.80	626.27
MW-28S	Monitoring Well	754243.26	471034.34	628.20	631.28	631.14	11-Sep-06	5.74	625.40
MW-28I	Monitoring Well	754242.87	471031.19	628.25	631.20	631.04	11-Sep-06	5.65	625.39
MW-29S	Monitoring Well	754411.14	471187.85	629.94	632.83	632.66	11-Sep-06	7.31	625.35
MW-30S	Monitoring Well	754281.65	471265.21	625.08	628.18	627.99	11-Sep-06	2.83	625.16
MW-30I	Monitoring Well	754286.42	471263.15	625.14	628.15	628.00	11-Sep-06	2.88	625.12
MW-30D	Monitoring Well	754290.05	471261.2	625.20	628.22	628.04	11-Sep-06	2.90	625.14
SG-D1 [1]	Drainage Channel Staff Gauge	754428.57	471240.37	625.81	-	-	11-Sep-06	1.50	623.98
SG-D2 [1]	Drainage Channel Staff Gauge	754285.43	471361.24	626.26	-	-	11-Sep-06	1.25	624.18
SG-D3 [1]	Drainage Channel Staff Gauge	754381.47	471548.31	625.83	-	-	11-Sep-06	1.75	624.25
SG-R2 [3]	Rockaway River Monitoring Point	754056.10	470946.46	629.41	-	-	11-Sep-06	2.99	626.42
SW-R-1 [4]	Rockaway River Monitoring Point	754125.56	471523.00	625.87	-	-	11-Sep-06	2.72	623.15
SW-R-2 [4]	Rockaway River Monitoring Point	754112.82	471426.51	626.54	-	-	11-Sep-06	DRY	
SW-R-3 [4]	Rockaway River Monitoring Point	754149.30	471368.76	626.25	-	-	11-Sep-06	2.02	624.23
SW-R-4 [4]	Rockaway River Monitoring Point	754088.00	471279.58	627.57	-	-	11-Sep-06	2.64	624.93
SW-R-5 [4]	Rockaway River Monitoring Point	754314.04	470408.85	640.66	-	-	11-Sep-06	1.90	638.76
SW-R-6 [4]	Rockaway River Monitoring Point	754071.52	470697.75	631.68	-	-	11-Sep-06	3.73	627.95
DRC-1	Rockaway River/Ditch Channel Staff Gauge	754098.03	471705.75	624.07	-	-	11-Sep-06	1.53	622.54

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
SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	625.75	-	-	11-Sep-06	1.86	623.89
SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	626.07	-	-	11-Sep-06	2.07	624.00
SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	625.70	-	-	11-Sep-06	1.65	624.05
SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08		624.93		19-Jun-06	0.99	623.94

FOOTNOTES

(1) Reference elevation measured at the top of a 3.33 ft. Staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.

(2) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88

(3) New SG-R2 replaced the old SG-R2 installed in Nov. 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA May 2004. SG-R2 is a chiseled arrow on Iron Beam

(4) As outlined in the PRMP the six (6) new Rockaway River monitoring points reference survey elevation was shot at the top of a stake installed to each point

(5) SW-D-1, SW-D-2 and SW-D-3 were resurveyed points at the top of the stake that secures each drainage ditch staff gauge.
These points were reshot to insure the reference elevation integrity remained for each of the 3 staff gauges as a result of source reduction remedial disturbance.

(6) Ground reference elevation for SG and SW series gauges and monitoring points is a point specific to each devise (I.e., top of stake, to of gauge, notched point on concrete or iron etc)

TABLE 2
L.E. CARPENTER AND COMPANY (LEC)
Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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		40		30	
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
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
MW19/Hot Spot 1 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		40		30	
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
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 factor 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		2,600	<	1.0
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		54	<	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

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Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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		40		30	
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		530	<	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
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
MW19/Hot Spot 1 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		40		30	
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
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
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
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
MW-28s												
Dilution factor for BTEX 5	21-Jun-06	2	J	1.6		560.0	<	1.0		1,400.0		100
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3	J	0.2		210.0	<	0.2		450.0		570
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 duplicate	J	0.3		220.0	<	0.2		470.0		560
MW-28i												
Dilution factor for BTEX 5	22-Jun-06	2	<	1.0		480.0	<	1.0		1,300.0		270
Dilution factor for Xylene and DEHP is 5	13-Sep-06	3	<	0.2		72.0	J	0.6		520.0		180
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
MW-30s												
	21-Jun-06	2	<	1.0		1,200.0	J	1.3		3,900.0		740
Dilution factor for BTEX 20, DEHP is 500	13-Sep-06	3	<	4.0		1,200.0		46.0		5,100.0		19,000
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
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

TABLE 2
L.E. CARPENTER AND COMPANY (LEC)
Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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		40		30	
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
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
	14-Sep-06	3	<	0.2	<	0.2	<	0.2	<	0.6	<	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
	14-Sep-06	3	<	0.2	<	0.2	<	0.2	<	0.6		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

NR = Not Run

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
MW19/Hot Spot 1 Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	Alkalinity to pH 8.3	Alkalinity to pH 4.5	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	mg/l	mg/l	ug/l	
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	ND	207	30	589	ND	ND	0.054	3.6 J	150	NS
	3Q04	630	ND	268	30.9	553	ND	ND	0.12	1.7 J	230	NS
	1Q05	350	ND	241	17.2	347	0.22	ND	ND	7.4	230	NS
	2Q05[L]	390	NS	NS	10.8 J	413	2.8	ND	ND	33.3	3.0 J	NS
	2Q05[U]	1,400	NS	NS	14.8	455	3.2	ND	ND	30.4	2.0 J	NS
	3Q05	3	NS	NS	67.2	1070	0.04	1.3	ND	6	33	NS
	4Q05	120	NS	NS	23.2	620	0.56	0.88	ND	37.4	19	NS
	1Q06	25	NS	NS	35.6	559	ND	ND	ND	3.3 J	140	NS
	2Q06	56	NS	NS	44.4	460	ND	0.43 J	ND	3.2 J	95	ND
Dilution factor for Methane 5	3Q06	60	NS	NS	12.8	435	ND	0.43 J	ND	5.3	310	ND
MW-19-1	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	100	ND	162	ND	725	1.4	ND	ND	32.4	ND	NS
	3Q04	49	ND	184	3.2 J	928	3.9	ND	ND	35.3	ND	NS
	1Q05	43	ND	152	ND	404	2.1	ND	ND	27.9	ND	NS
	2Q05[L]	410	NS	NS	16.4	1,440	2.9	ND	ND	34.1	ND	NS
	2Q05[U]	350	NS	NS	3.2 J	1,430	2.8	ND	ND	32.9	ND	NS
	3Q05	53	NS	NS	9.2 J	1,140	4.1	ND	ND	39	ND	NS
Dilution factor for Nitrate 2	4Q05	240	NS	NS	12.4	659	4.6	ND	ND	44.2	ND	NS
MW-19-2	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10	ND	335	6.0 J	704	ND	ND	ND	33.6	1600	NS
	3Q04	87	ND	176	6.0 J	916	0.87	ND	ND	23.9	280	NS
	1Q05	110	ND	395	5.2 J	568	0.093 J	0.13 J	ND	69.4	26	NS
	2Q05[L]	160	ND	ND	11.6 J	780	0.62	0.17 J	ND	29.6	ND	NS
	2Q05[U]	150	ND	ND	ND	750	0.64	ND	ND	29.3	ND	NS
	3Q05	8	NS	NS	3.2 J	976	1	0.12 J	ND	27.2	120	NS
	4Q05	220	NS	NS	ND	864	0.78	ND	ND	60.3	35	NS
	4Q05D	92	NS	NS	ND	908	0.6	ND	ND	62.1	49	NS
MW-19-4	1Q06	12	NS	NS	ND	730	2.4	ND	ND	37.4	ND	NS
	2Q06	520	NS	NS	8.4 J	774	2.8	ND	ND	45.8	ND	ND
Dilution factor for Nitrate 5	3Q06	85	NS	NS	ND	740	4.8	ND	ND	50.9	ND	ND
Dilution factor for Nitrate 5	3Q06D	92	NS	NS	ND	733	4.9	ND	ND	50.1	ND	ND
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	ND	228	14	942	0.06 J	ND	ND	15.7	2100	NS
	1Q05	380	ND	126	3.6 J	174	0.49	ND	ND	15.8	34	NS
	2Q05[L]	3000	NS	NS	3.6 J	177	ND	ND	ND	12	380	NS
	2Q05[U]	100	NS	NS	3.6 J	141	0.43	ND	ND	8.7	ND	NS
	3Q05	69	NS	NS	6.8 J	463	ND	ND	ND	7.7	1700	NS
	4Q05	58	NS	NS	ND	144	0.38	ND	ND	12.8	3.8 J	NS
	1Q06	12	NS	NS	ND	287	0.97 J	ND	ND	11.2	290	NS
	2Q06	22	NS	NS	9.2 J	190	0.19	ND	ND	14.2	150	ND
Dilution factor for Methane 10	3Q06	30	NS	NS	ND	275	0.12	ND	ND	10.2	700	ND
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	ND	151	10.4 J	1670	1.6	ND	ND	37.3	140	NS
	3Q04	110	ND	178	18.8	1240	1.1	ND	0.062	38.3	140	NS
	1Q05	82	ND	204	11.2 J	544	1.7	ND	ND	44	130	NS
	2Q05[L]	23	NS	NS	18	1180	1.3	0.29 J	ND	33.5	44	NS
	2Q05[U]	160	NS	NS	ND	1190	1	ND	ND	32.7	96	NS
	3Q05	90	NS	NS	40.8	1520	1.1	ND	ND	35	38	NS
	4Q05	43	NS	NS	10.8 J	940	3.5	ND	ND	47.8	43	NS
	1Q06	14	NS	NS	4.4 J	634	1.8	ND	ND	36.6	50	NS
	2Q06	14	NS	NS	ND	802	2	ND	ND	38.3	44	ND
	2Q06D	15	NS	NS	ND	790	2	ND	ND	37.7	45	ND
	3Q06	75	NS	NS	4.4 J	682	2.6	ND	ND	37.1	32	ND
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	ND	142	6.8 J	2110	0.21	ND	ND	47.2	5200	NS
	2Q04D	88	ND	152	9.2 J	2040	0.21	0.15 J	ND	37.3	5400	NS
	3Q04	2000	ND	175	4.4 J	1920	1.5	ND	ND	64.4	2400	NS
Dilution factor for Methane 250	1Q05	75	ND	200	6.0 J	774	3.2	ND	ND	29.1	10,000	NS
Dilution factor for Methane 250	1Q05D	77	ND	202	7.2 J	754	3.2	ND	ND	30.5	11,000	NS
	2Q05[L]	32	NS	NS	54	472	ND	0.50 J	0.45	ND	13,000	NS
	2Q05[U]	41	NS	NS	48	481	ND	0.35 J	0.32	ND	10,000	NS
	3Q05[L]	17	NS	NS	45.6	1450	ND	ND	0.3	19.2	2,900	NS
	3Q05[U]	17	NS	NS	31.6	1280	0.22	0.29 J	0.1	25.7	1,600	NS
Dilution factor for Methane 250	4Q05	16	NS	NS	32	926	0.16	0.5	0.23	8.9	7,700	NS
	1Q06	14	NS	NS	33.2	621	ND	ND	0.3	2.2 J	10,000	NS
	1Q06D	10	NS	NS	36.8	628	ND	ND	0.3	1.6 J	10,000	NS
Dilution factor for Methane 200	2Q06	68	NS	NS	16.8	655	0.87	ND	0.16	12.9	11,000	ND
Dilution factor for Methane 100	3Q06	79	NS	NS	9.2 J	799	2.1	ND	0.15	15.1	8,600	ND

TABLE 3
L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	Alkalinity to pH 8.3	Alkalinity to pH 4.5	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	mg/l	mg/l	ug/l	
MW-19-8	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	45	ND	143	14.4	1120	ND	ND	0.15	22.8	79	NS
	3Q04	15	ND	152	7.2 J	573	ND	0.24 J	0.12	11.5	790	NS
Dilution factor for Methane 5	1Q05	91	ND	142	25.2	1150	ND	ND	0.18	16.3	510	NS
	2Q05	270	NS	NS	20	796	ND	ND	ND	23.7	5.3	NS
	3Q05	ND	NS	NS	8.8 J	876	0.33	0.26 J	ND	20.3	74	NS
	4Q05	210	NS	NS	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	NS	NS
	2Q04	210	ND	211	6.0 J	621	0.14	0.33 J	ND	18.2	1300	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	34	ND	109	6.8 J	563	ND	ND	ND	18	2.6 J	NS
	3Q04	18	ND	98	10.4 J	908	ND	ND	ND	19.2	3.3 J	NS
	3Q04D	22	ND	97.8	10.8 J	890	ND	0.24 J	ND	17.9	2.9 J	NS
	1Q05	29	ND	127	5.2 J	625	ND	ND	ND	16.9	74	NS
	2Q05[L]	170	NS	NS	32.4	653	ND	ND	ND	18.1	48	NS
	2Q05[U]	93	NS	NS	32	691	ND	0.12 J	ND	18.3	48	NS
	3Q05	26	NS	NS	10.4 J	560	ND	ND	ND	16	ND	NS
	4Q05	56	NS	NS	17.2	654	ND	ND	ND	15.3	3.2 J	NS
MW-19-11	1Q05	940	ND	205	4.8 J	4,750	2.2	ND	ND	65.6	9.9	NS
	2Q05[L]	NS	NS	NS	64	731	ND	0.42 J	ND	18	930	NS
	2Q05[U]	14	NS	NS	27.2	740	ND	ND	ND	17.2	1,200	NS
	3Q05	63	NS	NS	106	555	ND	ND	0.11	21.5	26	NS
Dilution factor for Methane 10	4Q05	80	NS	NS	15.2	854	ND	0.32 J	ND	25.5	440	NS
MW-19-12												
	2Q06	4000	NS	NS	11.2 J	548	0.048 J	ND	ND	15.1	4.8 J	ND
Dilution factor for Methane 5	3Q06	170	NS	NS	6.4 J	822	0.36	ND	ND	22.9	170	ND
MW-25R												
	2Q06	1100	NS	NS	18.8	340	ND	0.24 J	ND	2.9 J	140	ND
	3Q06	>5,700	NS	NS	279	329	ND	0.24 J	0.14	3.3 J	30	ND
MW-27s												
	2Q06	NR	NS	NS	5,180	630	ND	0.26 J	4.8	43.3	20	ND
	3Q06	>5,700	NS	NS	3,850	798	ND	ND	1.4	108	3.7 J	ND
MW-28s												
	2Q06	6	NS	NS	35.2	350	ND	0.35 J	0.25	2.6 J	3,100	ND
Dilution factor for Methane 200	3Q06	1,300	NS	NS	22.4	460	ND	0.26 J	0.37	ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	NS	NS	21.6	468	ND	ND	0.37	1.7J	3,100	ND
MW-28i												
Dilution factor for Methane 10	2Q06	290	NS	NS	28	367	0.047 J	ND	0.22	2.2 J	1,900	ND
Dilution factor for Methane 100	3Q06	>5,700	NS	NS	42.8	338	ND	ND	0.19	3.5 J	1,500	ND
MW-29s												
	2Q06	250	NS	NS	58.8	504	ND	11.9	0.45	4.0 J	1,200	ND
Dilution factgor for Methane 250	3Q06	>5700	NS	NS	54	546	ND	9.9	0.32	1.9 J	5,000	ND
MW-30s												
	2Q06	2200	NS	NS	75.6	348	ND	0.86	0.17	5.2	3,800	ND
Dilution factor for Methane 200	3Q06	>5700	NS	NS	132	457	ND	0.89	0.32	ND	2,500	ND
MW-30i												
	2Q06	>5700	NS	NS	18.8	369	ND	1.8	0.15	8.2	1,100	ND
Dilution factor for Methane 100	3Q06	290	NS	NS	41.6	414	ND	0.83	0.23	3.2 J	1,200	ND
MW-30d												
	2Q06	2800	NS	NS	11.6	248	ND	0.30 J	ND	9.7	45	ND
	3Q06	>5700	NS	NS	6.4 J	288	0.043 J	ND	ND	10.6	5.3	ND
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	5	NS	NS	ND	10.0 J	ND	ND	ND	0.30 J	ND	NS
	1Q06	2	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	NS	NS	ND	ND	ND	ND	ND	1.5 J	ND	ND*
	3Q06	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND*

TABLE 3
L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 Quarterly Groundwater Monitoring
MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	Alkalinity to pH 8.3	Alkalinity to pH 4.5	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	mg/l	mg/l	ug/l	
Rinsate Blank	1Q05	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
	3Q05	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS
	1Q06	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
	3Q06	84	NS	NS	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 has a dilution factor of 5, except for blank samples or unless otherwise noted.

NS = Not Sampled

ND = Not Detected

[L] Lower Grab Sample

[U] Upper Grab Sample

* Total Lead

Through 3rd Quarter 2006

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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	NM(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
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	7.5	80	1910	10	18.49	0.2	90	28
	1Q05	1	7.8	213	676	10	11.49	0	NM(1)	30
	2Q05L	0.8	7.6	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	7.3	83	1199	6	13.97	NM	210	60
	3Q04	5	7.45	59	1830	9	16.97	2	130	15.5
	1Q05	1	7.3	249	825	10	11.02	0	NM(1)	63
	2Q05L	0.8	7.8	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
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	NM(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	7.5	36	327	5	14.4	0.3	90	27
	3Q06	2.87	7.45	143	406	10	16.38	0	100	22
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	NM(1)	41
	2Q05L	1	7.5	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	6.6	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

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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	NM(1)	63
	2Q05L	0.05	7.82	102	938	25	11.7	15	160	36
	2Q05U	1	7.8	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	6.2	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
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	NM(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	7.4	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	NM(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	NM(1)	65
	2Q05L	0.8	7.88	NM	1424	38	12.18	4	110	17
	2Q05U	0.8	7.8	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
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
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
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
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
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
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

Table 4
L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey
MW19/Hot Spot 1 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-30i	2Q06	0.33	7.7	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
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

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	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS									
			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
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
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
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
SW-D-5												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	10.0
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
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

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

MONITORING WELLS	SAMPLE DATE	QUARTER	ANALYTICAL PARAMETERS									
			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-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
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
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
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
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

LEGEND

ug/L = micrograms per liter

NCS: No Criteria Specified

NS = Not Sampled

duplicate = Duplicate sample

Concentration exceeds NJSWQS 38.0

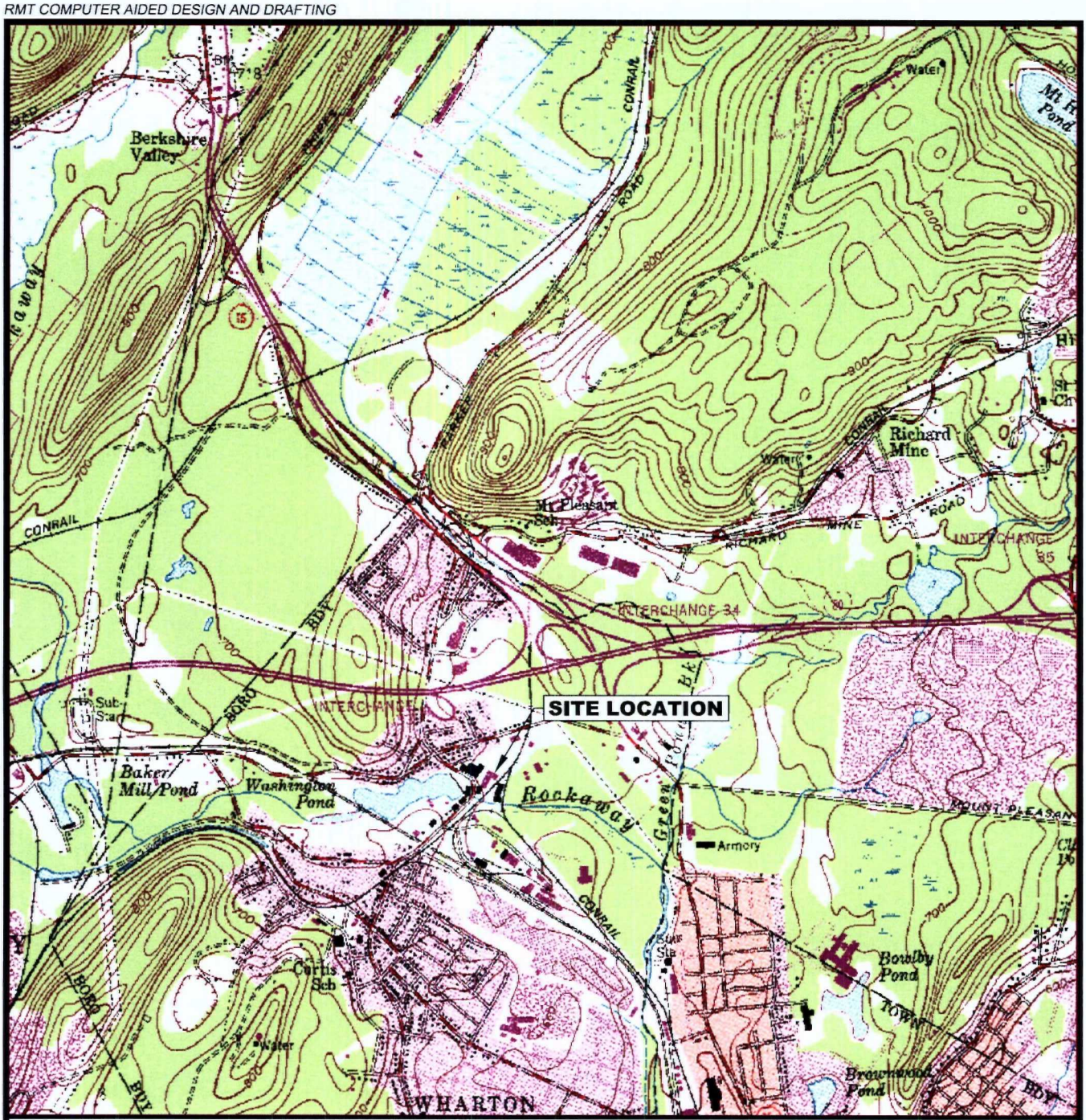
B: Analyte also detected in blank

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 wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

Figures



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

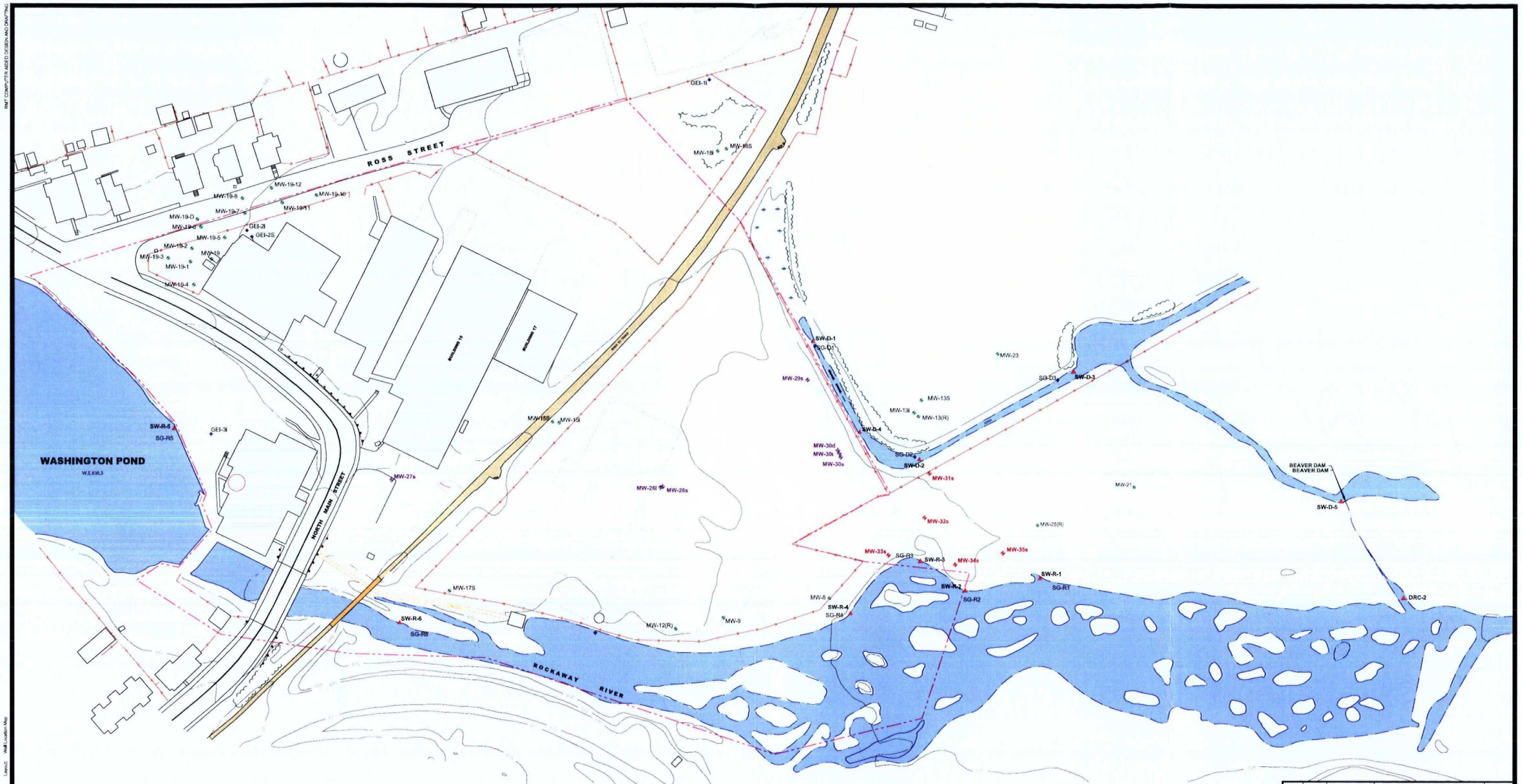
SITE LOCATION MAP

DRAWN BY:	SL
APPROVED BY:	JO
PROJECT NUMBER:	6527.18
FILE NUMBER:	6527.18.01.DWG
DATE:	OCTOBER 2006

FIGURE 1

PLOT DATA
Drawing Name: J:\06527\18\6527.18.01.dwg
Operator Name: Scale: 1uddos 1"=2000'
Dwg Size: Plot Date: 117004 Bytes Wednesday, August 23, 2006
Plot Time: Attached Xref's: 09:46:3220 AM No xref's Attached.

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
- 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.

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

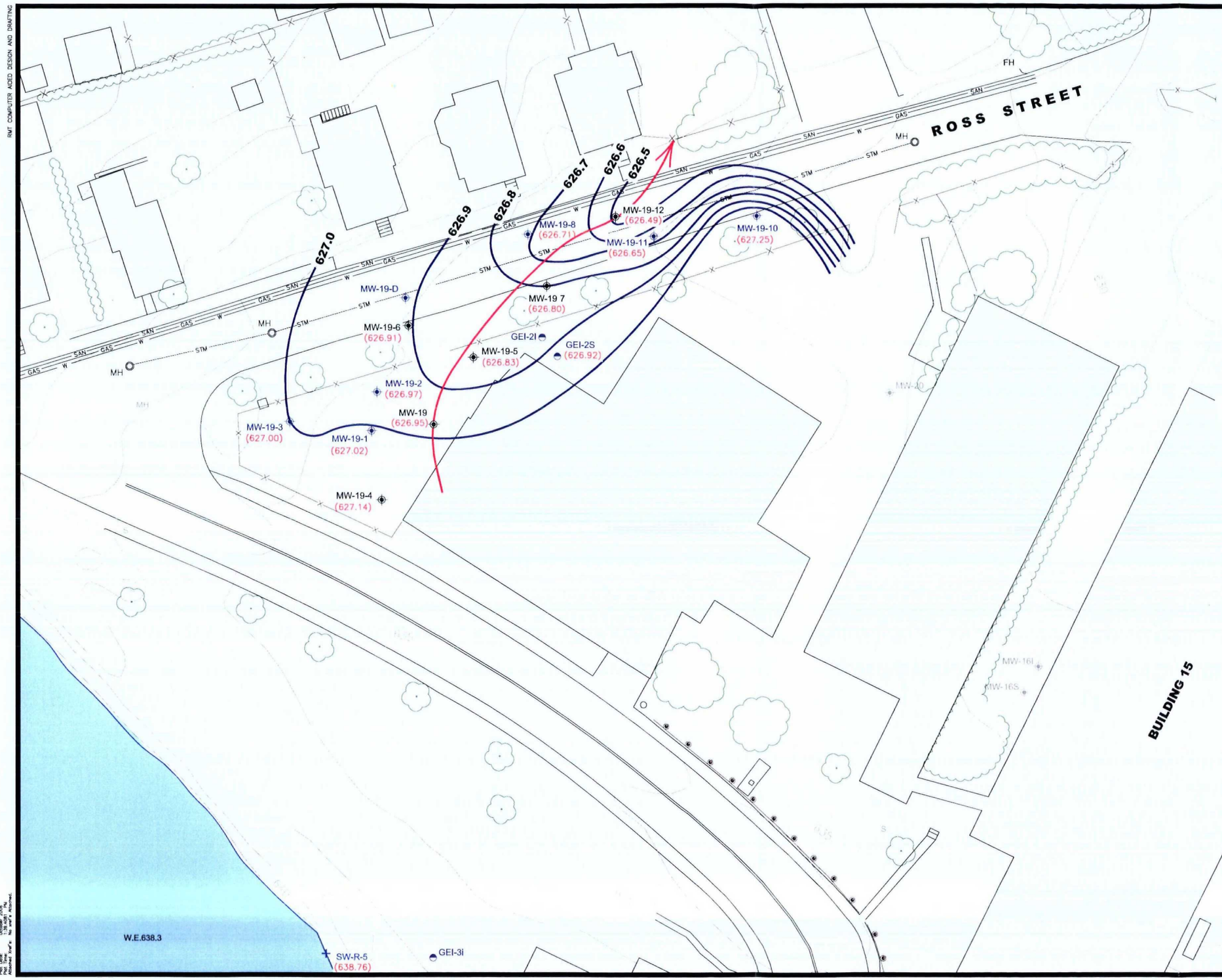
DRAWN BY:	SL	DRAWING SCALE:		PROJECT NO.	J:\06527\18
CHECKED BY:	JD	SHOWN		FILE NO.	6527.18.12.dwg
APPROVED BY:	JD	DATE PRINTED:		**FIGURE 2**	
DATE:	October 06				

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

Drawing Name: J:\06527\18\6527.18.12.dwg
Drawing Path: LOCKS
Drawing Sub-Sheet: LOCKS

Deg Size: 0.69 Mb
Plot Date: 2/19/08
Plot Time: 8:21 AM

Layout: Well Location Map



LEGEND

MW-19-7 (626.90)	WELLS SAMPLED DURING THIRD QUARTER 2006 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 BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02.
2. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON SEPTEMBER 11, 2006.
3. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.

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

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP 3rd QUARTER 2006

DRAWN BY: SL	SCALE:	PROJECT NO. 6527.18	
CHECKED BY: EV,JO	SHOWN	FILE NO.6527.18.03.DWG	
APPROVED BY: JD	DATE PRINTED:	**FIGURE 3**	
DATE: OCTOBER 2006			

RMT INC.
3754 Ranchero Drive
Ann Arbor, MI 48108-2771
PHONE: 313-971-7080
FAX: 313-971-9022

RMT CAD/CAM
Drawing Name: J:\06527\18\6527-18.03.dwg
Operator Name: Scott Lindsay
Drg Size: 720640 Bytes
Date: 10/26/2006
Plot Time: 1:38 AM
Plotted Scale: 1 in. = 40 ft. Horizontal.

LEGEND

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 BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02.
2. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON SEPTEMBER 11, 2006.
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.				

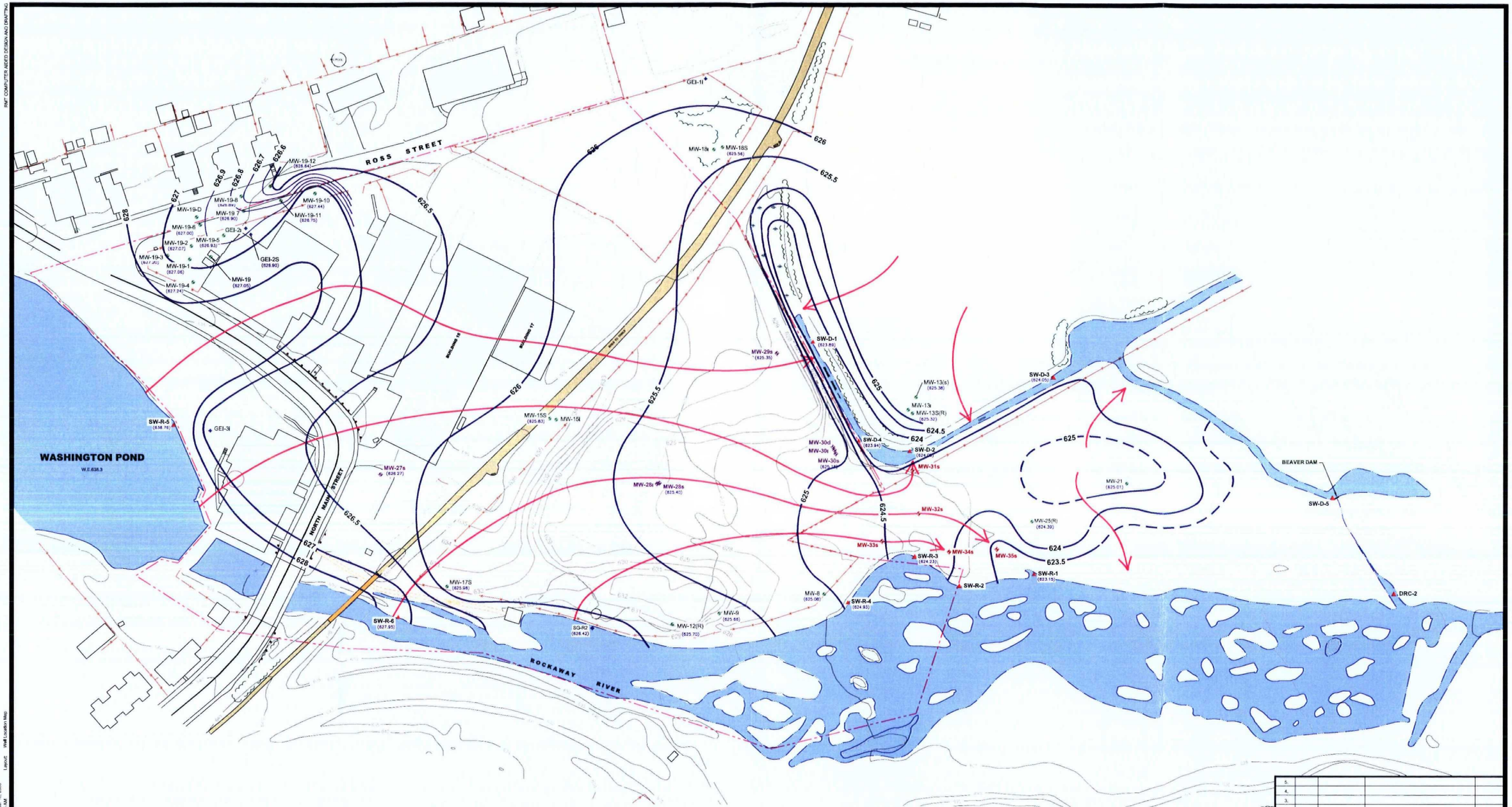
L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER ISOCONCENTRATION MAP
3rd QUARTER 2006

DRAWN BY: SL	SCALE: SHOWN	PROJECT NO. 6527.18	
CHECKED BY: JO		FILE NO.6527.18.04.DWG	
APPROVED BY: NC	DATE PRINTED:	**FIGURE 4**	
DATE: OCTOBER 2006			

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)
- 626.9 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:\06527\18
CHECKED BY: JD	SHOWN	FILE NO.	6527.18.15.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 5**	
DATE: October 2006			

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\18\6527.18.15.dwg
Operator Name: LUCIDOS
Drawing Plot Scale: 1:40
Dwg Size: 0.85 Mb
Plot Date: October 18, 2006
Plot Time: 11:25 AM
Layout: Well 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

SIGNATURE

11/6/06
DATE

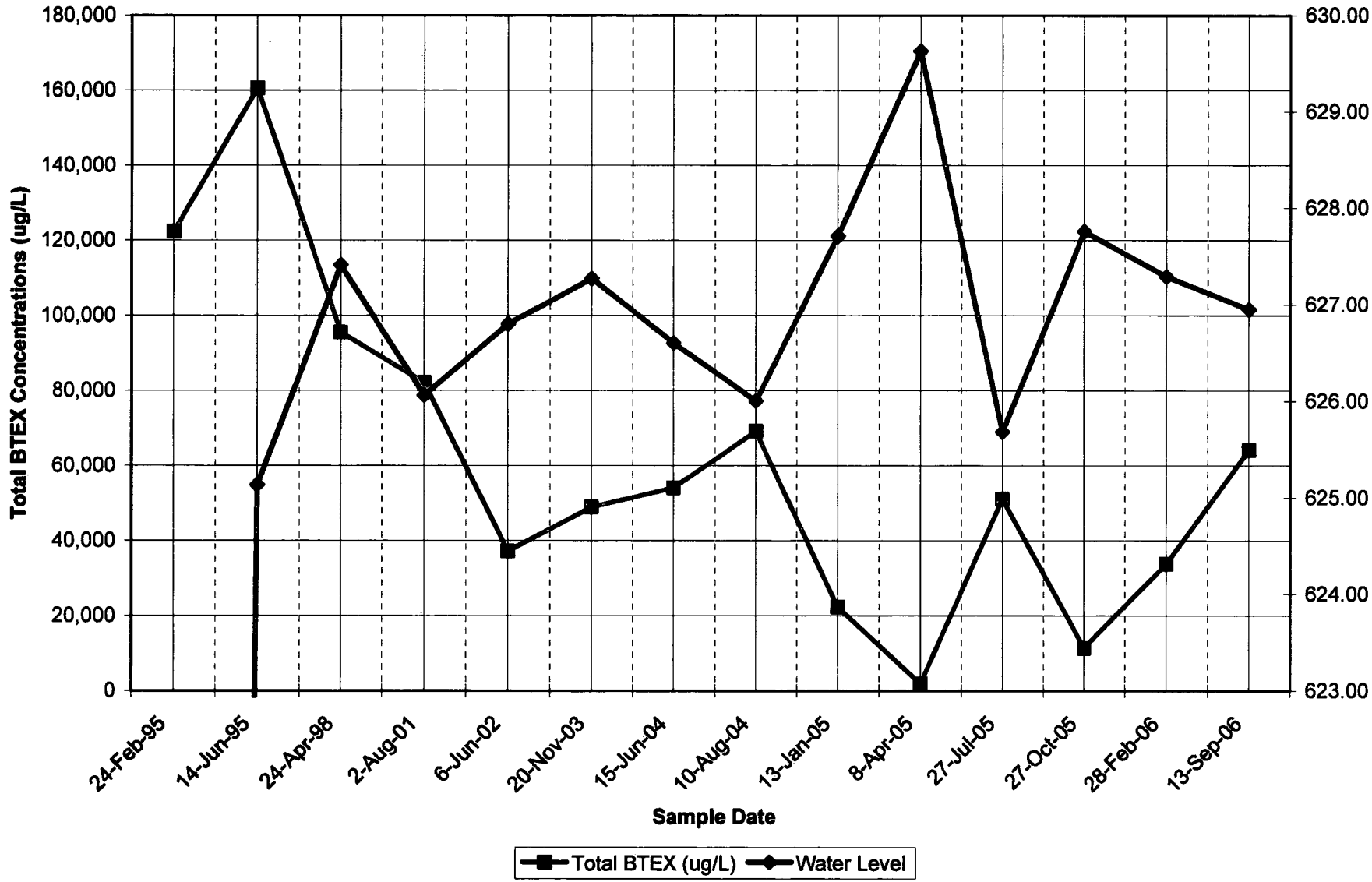
Appendix B
BTEX Concentration Trend Charts

MW-19	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX (ug/L)	Water Level	DO
24-Feb-95	660	1,700	110,000	10,000	122,360	--	--
14-Jun-95	150	3,400	140,000	17,000	160,550	625.13	--
24-Apr-98	1,000	2,850	76,700	14,900	95,450	627.41	--
2-Aug-01	95	3,000	62,000	17,000	82,095	626.06	--
6-Jun-02	200	1,000	30,000	6,000	37,200	626.80	--
20-Nov-03	20	1,500	40,000	7,400	48,920	627.27	--
15-Jun-04	100	1,400	46,000	6,600	54,100	626.60	10.97
10-Aug-04	20	2,100	56,000	11,000	69,120	626.00	0.1
13-Jan-05	10	750	18,000	3,600	22,360	627.71	0.2
8-Apr-05	1	97	1,300	530	1,928	629.63	1
27-Jul-05	40.0	1,100	44,000	6,000	51,140	625.68	1
27-Oct-05	20.0	200	10,000	1,200	11,420	627.76	5.34
28-Feb-06	50.0	880	28,000	4,900	33,830	627.29	3.53
20-Jun-06	40.0	1,600.0	53,000.0	8,700	63,340	627.05	4.92
13-Sep-06	40.0	2,100.0	51,000.0	11,000	64,140	626.95	0.34

MW-19-5	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX (ug/L)	Water Level	DO
12-Mar-98	1,000	1,920	123,000	10,100	136,020	627.33	--
2-Aug-01	190	870	79,000	5,200	85,260	625.99	--
7-Mar-02	140	300	10,000	1,700	12,140	625.20	--
5-Jun-02	1,100	1,100	92,000	6,300	100,500	626.72	--
18-Dec-03	0.2	3.7	240.0	24.0	268	627.20	--
16-Jun-04	100.0	1,400	83,000	7,400	91,900	626.50	10.16
10-Aug-04	200.0	2,800	140,000	14,000	157,000	625.91	1
13-Jan-05	2.0	64.0	3,100.0	340.0	3,506	627.55	1
9-Apr-05	40.0	1,000.0	27,000.0	5,300.0	33,340	629.41	1
26-Jul-05	100.0	2,600.0	100,000.0	13,000.0	115,700	625.59	0.8
27-Oct-05	0.2	6.8	140.0	37.0	184	627.65	1.84
28-Feb-06	20.0	290.0	19,000.0	1,500.0	20,810	627.18	3.35
20-Jun-06	4.0	130.0	4,000.0	730	4,864	626.93	6.79
13-Sep-06	20.0	550.0	25,000.0	2,800	28,370	626.83	2.87

MW-19-7	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX (ug/L)	Water Level	DO
15-Nov-99	16	100	51	1,400	1,567	626.05	--
1-Aug-01	6.7	6.6	13	680	706	626.00	--
7-Mar-02	3	1.3	1.3	250	256	625.12	--
5-Jun-02	0.48	1.6	27	27	56	626.70	--
19-Nov-03	4.7	0.4	0.3	460	465	627.11	--
16-Jun-04	2.8	130.0	2,100.0	630	2,863	626.28	5.89
10-Aug-04	2.0	1.6	1.3	20	25	625.89	1
12-Jan-05	6.1	90.0	240.0	760	1,096	627.39	0.6
7-Apr-05	9.5	210.0	2,700.0	1,400	4,320	629.21	0.05
27-Jul-05	2.2	0.2	0.2	2	4	625.60	0.8
27-Oct-05	62.0	710.0	16,000.0	3,600	20,372	627.42	1.58
28-Feb-06	7.5	4.9	0.3	870	883	627.16	1.86
20-Jun-06	6.5	19.0	0.6	550	576	626.90	3.87
12-Sep-06	4.9	33.0	0.3	440	478	626.80	0.6

Total BTEX Concentrations vs. Water Levels for MW-19



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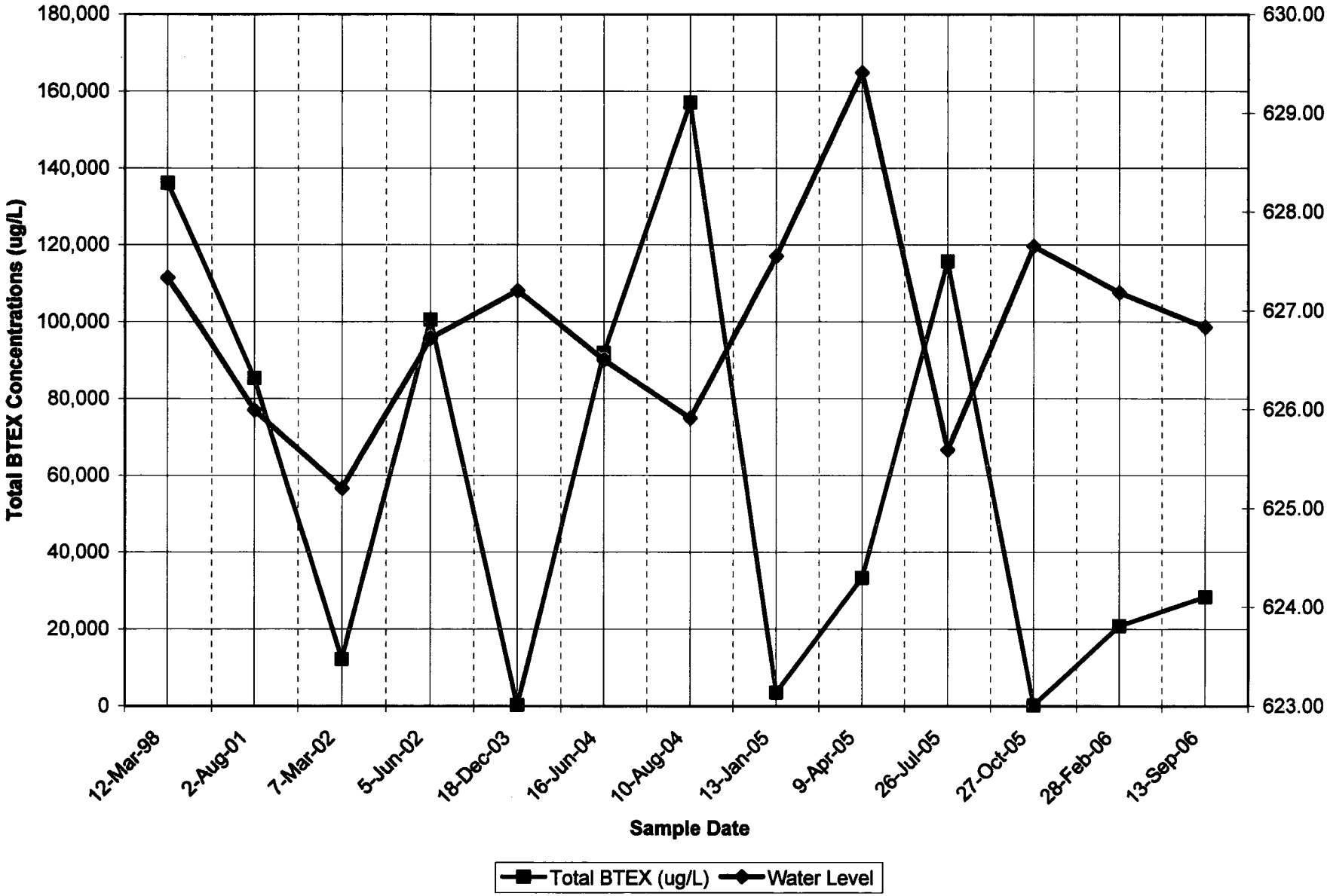
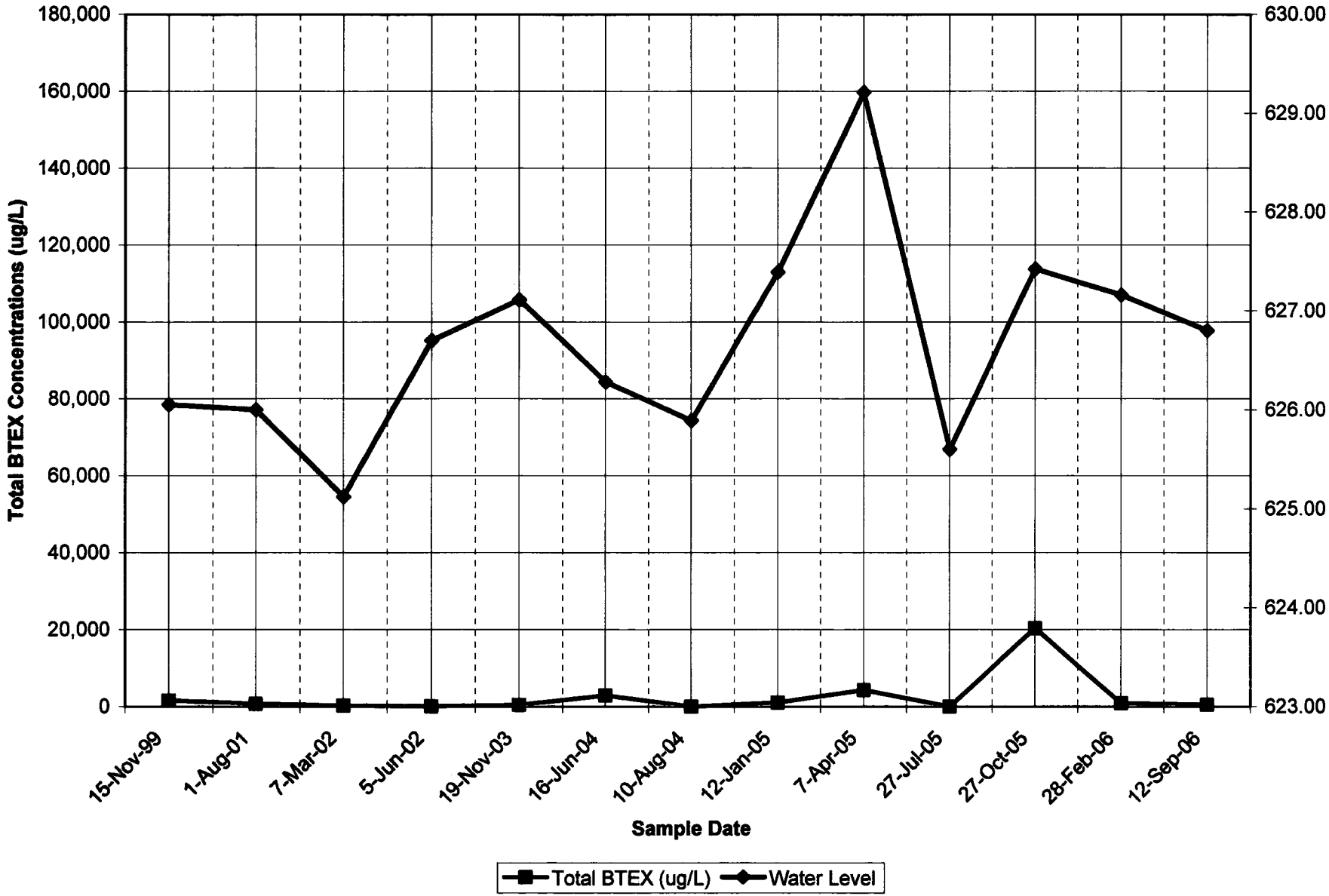
Total BTEX Concentrations vs. Water Levels for MW-19-5



I:\WPGRM\PJT\00-06527\18\3Q06_Appendix B.xls 11/8/2006

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



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Appendix C
3rd Quarter 2006 Monitoring Well Sampling Data

RMT®

PROJECT NAME:	L. E. Carpenter
PROJECT NUMBER:	6527.18
PROJECT MANAGER:	N. Clevett
SITE LOCATION:	Wharton, NJ
DATES OF FIELDWORK:	9/11/2006 TO 9/15/2006
PURPOSE OF FIELDWORK:	Collect Static Water Levels, Ground and Surface Water Sample
WORK PERFORMED BY:	S. Pawlukiewicz & E. Vincke

Scott Pawlukiewicz 9-27-06
SIGNED DATE

[illegible] 9/28/06
CHECKED BY DATE

RMT®

EQUIPMENT SUMMARY

PROJECT NAME:	L. E. Carpenter	SAMPLER NAME:	S. Pawlukiewicz & E. Vincke
PROJECT NO.:	6527.18		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

QED MP10 — 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 MP10 — NAME AND MODEL OF INSTRUMENT
LEC — SERIAL NUMBER (IF APPLICABLE)

PURGING METHOD

QED Bladder — NAME AND MODEL OF PUMP OR TYPE OF BAILER
LEC, Field Env. — SERIAL NUMBER (IF APPLICABLE)

SAMPLING METHOD

QED Bladder Pump — NAME AND MODEL OF PUMP OR TYPE OF BAILER
LEC, Field Env. — SERIAL NUMBER (IF APPLICABLE)

Geotech — NAME AND MODEL OF FILTERATION DEVICE
45 µm — FILTER TYPE AND SIZE

P.E — TUBING TYPE
☒ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☒ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

Lancaster Lab — POTABLE WATER SOURCE
Lancaster Lab — DI WATER SOURCE

Scott Pawlukiewicz 9-27-06 — SIGNED DATE
[signature] 9/28/06 — CHECKED BY DATE

RMT

WELL INSPECTION REPORT

PROJECT NAME:	L. E. Carpenter
PROJECT NO.:	6527.18

SAMPLER NAME:	S. Pawlukiewicz & E. Vinck
DATE:	9-11-06

WELL ID	PROTECTIVE CASING	SURFACE SEAL	DEGREE OF IMMOBILITY OF PROTECTIVE CASING	PERMANENT LEGIBLE LABELS	LOCK	WELL CAP	BASE OF INSERTING / REMOVING ~~BAILER~~ Pump	SEDIMENT IN WELL	COMMENT
MW-27S	Good	Good	Good	YES	Y	Y	~~NA~~ Good	NM	
MW-19-12					Y	Y			
MW-19-4					Y	Y			
MW-19-6					Y	Y			
MW-19-7					Y	Y			
MW-19-5					Y	Y			
MW-19					Y	Y			
MW-25(R)					Y	Y			
MW-28I					Y	Y			
MW-28S					Y	Y			
MW-30S					Y	Y			
MW-30I					Y	Y			
MW-30D					Y	Y			
MW-29S					Y	Y			

Scott Pawlukiewicz 9-11-06
SIGNED DATE

J Overwarde 9/28/06
CHECKED BY DATE

F-184 REVISED 07/2005

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 9/11/06	TIME ARRIVED: 1200
PROJECT NUMBER: 6527.18	AUTHOR: S. Pawlukiewicz &	TIME LEFT: 2000

WEATHER

TEMPERATURE: 65 °F WIND: 5-10 MPH VISIBILITY: P. Cloudy

WORK / SAMPLING PERFORMED

- Mob to Newark, go to hotel for supplies
- Arrive on site purge MW-27S until dry
- Perform site wide water levels.
- Sample existing SW-R-1 through SW-R-6, and SW-D-1 through SW-D-4. Place stakes and collect sample at DRC-2, SW-D-5 (see map)
- Fill sample bottle until MW-27S goes dry again
- Sort through cooters to seperate well locations

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
Pump and extra CO_2 tank not delivered.	Follow up w/ Field Environmental and DHL

COMMUNICATION

NAME		

[signature] 9/11/06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 9/12/06	TIME ARRIVED: 0740
PROJECT NUMBER: 6527.18	AUTHOR: S. Pawlukiewicz &	TIME LEFT: 1800

WEATHER

TEMPERATURE: 70 °F WIND: 5-10 MPH VISIBILITY: P. Cloudy

WORK / SAMPLING PERFORMED

Sample MW-27S (0800-0820), MW-19-12 w/MS/MSD, ~~AT~~ (0900-1110), ATM-01 (1015), MW-19-4 (1115-1345) w/ Dup-01, MW-19-6 (1400-1555), MW-19-7 (1600-1730). MW-27S (1320) and (1750).

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
DHL has misplaced RMT bladder pump.	Ordered a bladder pump from Field Environmental.

COMMUNICATION

NAME		
J. Dexter	RMT	Talked about Wetland Inspection
B. Weyandt	Lancaster Lab	Order more SW bottles and DI water
Various	Field Env.	Ordered Sampling supplies

[signature] 9/12/06 [signature] 9/28/06

SIGNED DATE CHECKED BY DATE

REVISED 07/2005

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 9/13/06	TIME ARRIVED: 0735
PROJECT NUMBER: 6527.18	AUTHOR: S. Pawlukiewicz &	TIME LEFT: 1900

WEATHER

TEMPERATURE: 65 °F WIND: 5-10 MPH VISIBILITY: Overcast (Rain)

WORK / SAMPLING PERFORMED

Sample MW-19-5 (0800 - 0910), MW-19 (1000 - 1040), MW-25 (R) (1052 - 1127), MW-28I (1202 - 1312), MW-28s (1215 - 1315), MW-30s (1648 - 1828), MW-30I (1650 - 1750),

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME		

[signature] 9/13/06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 9/14/06	TIME ARRIVED: NAvail
PROJECT NUMBER: 6527.18	AUTHOR: S. Pawlukiewicz &	TIME LEFT: NAvail

WEATHER

TEMPERATURE: 60 °F WIND: 5-10 MPH VISIBILITY: OVERCAST (RAIN)

WORK / SAMPLING PERFORMED

Sample MW-30D (0849-1049), MW-29S (1105-1145)
Collect additional Heterotrophic plate count @ MW-19-12 (1240)
+ for ATM-01 due to lab mistake.
Perform RB-01 and RB-02 after courier arrives
w/ DI water.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME		

Scott Pawlukiewicz 9/14/06
SIGNED DATE

J Overnoorde 9/28/06
CHECKED BY DATE

RMT

CALIBRATION LOG

PROJECT NAME:	L. E. Carpenter	MODEL:	QED MP 20	SAMPLER:	SP/EV
PROJECT NO.:	6527.18	SERIAL #:	LEC	DATE:	9/11/06

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2509204		PH 4 / 10 (LOT NUMBER): 2505679		TIME
7.09	/ 7.00	6.07	/ 4.00 Fail	1258
	/		/	
	/		/	
	/		/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2507196		TEMPERATURE (CELSIUS)	CORRECTED CONDUCTIVITY (mmhos/cm)	TIME
1401	/ 1413	23.19	1413	1309
	/			
	/			
	/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
7.99	1307

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT A): NA	(LOT B): NA	TIME
0 / 0	715 / 800	1307
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 60418663		TEMPERATURE (CELSIUS)	CORRECTED ORP (mV)	TIME
196	/ 224	22.72	224	1258
	/			
	/			
	/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
short sampling day	

SIGNED: [signature] DATE: 9/11/06

CHECKED BY: [signature] DATE: 9/28/06

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME:	L. E. Carpenter	MODEL:	QED MP20	SAMPLER:	SP/EV
PROJECT NO.:	6527.18	SERIAL #:	LEC	DATE:	9/12/06

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2509204	PH 4 / 10 (LOT NUMBER): 2505079	TIME
7.15 / 7.00	6.08 /	0845
7.20 / 7.00	5.92 /	1355
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2307196	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1435 / 1413	13.26	1413	0849
1380 / 1413	20.91	1413	1356
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
7.87	0900
6.90	1402

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
/ 0	711 / 800	87/100 0856
/	/	
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 00418663	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
269 / 240	12.83	240	0850
224 / 228	19.38	228	1400
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 9/13/06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

REVISED 07/2005

RMT

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: QED	SAMPLER: SP/EV
PROJECT NO.: 6527.18	SERIAL #: LEC	DATE: 9-13-06

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2509204	PH 4 / 10 (LOT NUMBER): 2505079	TIME
7.11 / 7.00	5.88 / Fail	0748
7.13 / 7.00	~~6.80~~ 5.71 / Fail	1441
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2507196	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1414 / 1413	14.18	1413	0750
1396 / ~~1396~~ 1413	19.23	1413	1443
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
7.46	0757
7.96	1448

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
/	724 / 800	0753
/	92 / 100	/
/	0 / <.1	/
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 00418663	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
/ 220	13.96	238	0751
/ 157	20.50	228	1445
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 9-13-06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

REVISED 07/2005

RMT

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: YSI MI 556	SAMPLER: SP/EV
PROJECT NO.: 6527.18	SERIAL #: U52239X	DATE: 9/13/06

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2509204	PH 4/10 (LOT NUMBER): 2505079	TIME
7.07 / 7.00	3.92 / 4.00	0850
6.98 / 7.00	4.05 / 4.00	1455
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2507196	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1480 / 1409	15.30	1409	0852
1648 / 1409	20.57	1409	1457
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
8.92	0855
8.56	1459

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
/	/	0854
/	/	1500
/	/	
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 00418663	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
262.6 / 236	15.16	236	0847
224.6 / 220	20.67	220	1453
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

[signature] 9/13/06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

REVISED 07/2005

RMT®

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: YSI 556	SAMPLER: SP/EV
PROJECT NO.: 6527.18	SERIAL #: U52239X	DATE: 9-14-06

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2509204	PH 4 / 10 (LOT NUMBER): 2505079	TIME
7.05 / 7.00	~~4.00~~ 3.95 / 4.00	0815
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2507196	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1345 / 1409	18.94	1409	0820
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
8.16	0827

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
/	/ 518	0830
/	/ 52	0830
/	/ 5	0830
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER):	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
224.4 / 230	18.46	230	0825
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
Short sampling day	

Scott Paulsh 9-14-06
SIGNED DATE

[signature] 9/28/06
CHECKED BY DATE

REVISED 07/2005

RMT

WATER LEVEL DATA

PROJECT NAME:	L. E. Carpenter	DATE:	9/11/06
PROJECT NUMBER:	6527.18	AUTHOR:	S. Pawlukiewicz & E. Vincke

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	~~WATER ELEVATION~~ 9/14/06
MW-19	1455		8.95	16.58		
MW-19-1	1422		8.62			
MW-19-2	1426		9.33			
MW-19-3	1416		9.70			
MW-19-4	1418		8.29	16.04 ~~16.40~~		
MW-19-5	1428		8.73	15.60		
MW-19-6	1430		8.91	19.66		
MW-19-7	1439		8.20	20.22		
MW-19-8	1436		8.65			
MW-19-9D	1437		8.68			
MW-19-10	1446		7.18			
MW-19-11	1450		7.02			
MW-19-12	1452		7.97	16.70		
GEI-2I			~~[illegible]~~ 10.43			
GEI-2S	1433		10.5			
GEI-3I	~~1432~~ 1444		~~[illegible]~~	12.73		
MW-15S	1756		~~10.43~~ 10.31			10.34
MW-15I	1757		10.21			10.31
MW-18S	1753		5.10 / Bottom (5.10) Bottom ~~[illegible]~~			Bottom 5.10
MW-18I	1754		4.50			4.65
MW-17S	1731		8.21			8.22
MW-12R	1513		8.03			~~8.24~~ 8.09
MW-9	1514		3.92			~~4.02~~ 3.95
MW-8	1515		3.11			~~3.10~~ 3.02
MW-25R	1849		2.23			2.11
MW-21	1550		3.19			3.28
MW-27S	1738	TOC	8.80	13.07		9.33
MW-28S	1508		5.74	17.65		5.82

9/14/06

MW-28I	1506		5.65	22.81		5.65
MW-29S	1502		7.31	14.59		7.40
MW-30S	1521		2.83	12.10		2.94
MW-30I	1523		2.88	18.10		2.93
MW-30D	1524		2.90	27.15		2.97
SW-D-1	1830		1.86		1.50 STAFF	1.82
SW-D-2	1825		2.07		1.25 Staff	2.03
Dup SW-D-3	1810	T. OF STAKE	1.65		1.75 STAFF	1.61
SW-R-1	1645		2.72			2.74
SW-R-2	1655		Dry			Dry
SW-R-3	1706		2.02			2.08
SW-R-4	1715		2.64			2.68
SW-R-5	1945		1.90			1.86
SW-R-6	1735		3.73			Dry
SW-D-4	1845		0.99			0.96
DRC-1	1630		1.53			1.52
SG-R2	1510		2.99			~~3.07~~ 2.97
MW-13S	1820		5.25			5.06
MW-13I	1821		4.58			4.64
MW-13S (R)	1822		4.67	Blue casing		4.73
SW-D-5	1558	Top of Stake	2.95			2.92
DRC-2	1612	Top of Stake	2.26			2.21

1447

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

[signature] 9/11/06
SIGNED DATE

[signature] 9/28/06
CHECKED DATE

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/11/06	BY: LO	DATE: 9/28/06

SAMPLE ID: MW-273 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: 1314	DATE: 9/11/06	SAMPLE	TIME: 1945 1320 0800 1750	DATE: 9/11/12/06
PURGE METHOD:	[X] PUMP Bladder		PH: 7.72 SU	CONDUCTIVITY: 1437 umhos/cm	
	[ ] BAILER		ORP: 45 mv	DO: 0.54 mg/L	
DEPTH TO WATER: 8.80 T/ PVC			TURBIDITY: 247 NTU		
DEPTH TO BOTTOM: 13.07 T/ PVC			[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY		
WELL VOLUME: 3.23 [X] LITERS [ ] GALLONS			TEMPERATURE: 19.44 °C	OTHER:	
VOLUME REMOVED: 10.5 [X] LITERS [ ] GALLONS			COLOR: Brn	ODOR: NO	
COLOR: Brn	ODOR: No		FILTRATE (0.45 um) [X] YES [ ] NO		
TURBIDITY: >1000			FILTRATE COLOR: Clr	FILTRATE ODOR: No	
[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER			COMMENTS: Ferrous-0, CO_2-14, Alk-200		

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)
1314	175	7.26	1340	149	4.13	>1000	20.81	8.80	INITIAL
1319	175	7.50	1405	54	0.47	>1000	19.18	9.25	0.875
1324	175	7.67	1378	37	0.51	818	19.06	9.45	1.75
1329	175	7.76	1356	42	0.82	676	19.27	9.80	2.625
1334	175	7.75	1373	49	0.97	543	19.34	10.15	3.5
1339	175	7.78	1385	51	1.15	524	18.93	10.49	4.375
1344	175	7.79	1399	52	1.11	504	19.08	10.92	5.25
1349	175	7.76	1412	52	1.05	431	19.16	11.10	6.125
1354	175	7.78	1456	54	0.82	267	19.12	11.32	7.0
1359	175	7.76	1462	51	0.59	172	19.13	11.62	7.875

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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	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	500 mL	PL	B	[X] Y [ ] N

SHIPPING METHOD: Lab Pick up/FedEx	DATE SHIPPED: 9/11/06, 9/13/06 multiple DAYS	AIRBILL NUMBER: NA
COC NUMBER:	SIGNATURE:	DATE SIGNED: 9-12-06

0124291, 0132223,

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.18	BY: SP/EV	DATE: 9-11-06	BY: SD	DATE: 9/28/06

SAMPLE ID: MW-37S

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1404	175	7.68	1437	49	0.55	158	19.61	12.78	8.75
1409	175	7.72	1437	45	0.54	247	19.44	Tow	9.625
1414	175		Water below pump intake						10.5
	Sample at		9/11/06		1945	✓			
			9/12/06		0800				
					1320				
					1750				

SIGNATURE: Eric Vinik

DATE SIGNED: 9/11/06

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-12-06	BY: LD	DATE: 9/25/06

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

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

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

PURGING	TIME: 0917	DATE: 9-12-06	SAMPLE	TIME: 1002	DATE: 9-12-06

PURGE METHOD: [X] PUMP GRED BLADDER [ ] BAILER

DEPTH TO WATER: 7.97 T/ PVC (B-W) x .648

DEPTH TO BOTTOM: 16.76 T/ PVC

WELL VOLUME: 5.66 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 18 [X] LITERS [ ] GALLONS

COLOR: Brown ODOR: None

TURBIDITY: 565

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

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

PH: 7.41 SU CONDUCTIVITY: 1460 umhos/cm

ORP: 5 mv DO: 0.21 mg/L

TURBIDITY: 18 NTU

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

TEMPERATURE: 17.90 °C OTHER:

COLOR: Clear ODOR: No

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

FILTRATE COLOR: Clear FILTRATE ODOR: No

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

COMMENTS: ATM-01 collected

Ferrous: 4 mg/L
Alk: 12 mg/L
CO_2: 17

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)
0917	400	7.31	1480	176	2.79	565	16.76	7.97	INITIAL
0922		7.48	1428	84	0.30	267	17.60	7.97	2
0927		7.47	1423	50	0.25	187	17.67	7.97	4
0932		7.47	1442	29	0.22	101	17.76	7.97	6
0937		7.44	1457	17	0.19	70	17.79	7.97	8
0942		7.45	1461	10	0.20	47	17.79	7.97	10
0947		7.43	1455	4	0.20	33	17.87	7.97	12
0952		7.42	1454	7	0.20	27	17.82	7.97	14
0957		7.42	1459	5	0.19	20	17.81	7.97	16
1002		7.41	1460	5	0.21	18	17.90	7.97	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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
10*	40 mL	VOA	E	[ ] Y [✓] N	4*	1 L	AMBER	F	[ ] Y [✓] N
2*	40 mL	VOA	A	[ ] Y [✓] N	4*	1 L	PLASTIC	A	[ ] Y [✓] N
2*	40 mL	VOA	C	[ ] Y [✓] N	2*		PLASTIC	F	[ ] Y [✓] N
4*	1 L	GLASS	C	[ ] Y [✓] N	2	500 mL	PL	B	[X] Y ~~[ ] N~~

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9-12-06	AIRBILL NUMBER: NA
COC NUMBER: 0124291	SIGNATURE: [signature]	DATE SIGNED: 9-12-06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/12/06	BY: LO	DATE: 9/28/06

SAMPLE ID: ATM-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: 1015	DATE: 9/12/06
PURGE METHOD: ☐ PUMP ☐ BAILER			PH: NM SU	CONDUCTIVITY: NM umhos/cm	
			ORP: NM mv	DO: NM mg/L	
DEPTH TO WATER: NA T/ PVC			TURBIDITY: NM NTU		
DEPTH TO BOTTOM: T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☐ LITERS ☐ GALLONS			TEMPERATURE: NM °C	OTHER:	
VOLUME REMOVED: ☐ LITERS ☐ GALLONS			COLOR: Clr	ODOR: No	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☒ NO		
TURBIDITY:			FILTRATE COLOR: NA	FILTRATE ODOR: NA	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

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

NA

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

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

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9/12/06	AIRBILL NUMBER: NA
COC NUMBER: 612429	SIGNATURE: E. Vail	DATE SIGNED: 9/12/06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-12-06	BY: [illegible]	DATE: 9/28/06

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☒ OTHER GALV.

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

PURGING	TIME: 1120	DATE: 9-12-06	SAMPLE	TIME: 1215	DATE: 9-12-06

PURGE METHOD: ☒ PUMP RED BLADDER ☐ BAILER

DEPTH TO WATER: 8.38 T/ PVC

DEPTH TO BOTTOM: 16.04 T/ PVC

WELL VOLUME: 4.96 ☒ LITERS ☐ GALLONS

VOLUME REMOVED: 22 ☒ LITERS ☐ GALLONS

COLOR: Cloudy Brown ODOR: NO

TURBIDITY: 173

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD: ☐ GROUND ☒ DRUM ☐ OTHER

PH: 7.43 SU CONDUCTIVITY: 1335 umhos/cm

ORP: 92 mv DO: 2.93 mg/L

TURBIDITY: 9 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 18.68 °C OTHER:

COLOR: CLR ODOR: NO

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: CLR FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☒ DUP- 01

COMMENTS: Ferrous - 0 Alk - 10 CO_2 - 19

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)
1120	400	7.46	1403	21	2.61	173	20.61	8.38	INITIAL
1125		7.43	1479	43	2.57	84	18.10	8.50	2
1130		7.41	1452	51	2.48	69	18.20	8.50	4
1135		7.43	1425	58	2.44	59	18.33	8.50	6
1140		7.43	1394	64	2.58	32	18.40	8.50	8
1145		7.42	1394	71	2.55	41	18.38	8.50	10
1150		7.43	1361	72	2.70	18	18.62	8.50	12
1155		7.45	1368	75	2.71	20	18.56	8.50	14
1200		7.44	1352	79	2.80	15	18.59	8.50	16
1205		7.41	1351	83	2.85	16	18.63	8.50	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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9/12/06	AIRBILL NUMBER: NA
COC NUMBER: 0124592	SIGNATURE: [illegible]	DATE SIGNED: 9/12/06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/12/06	BY: JO	DATE: 9/28/06

SAMPLE ID: MW-19-4

TIME	PURGE RATE (ML/MIN)	pH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GALS (L))
1210	400	7.42	1344	85	2.85	12	18.60	8.50	20
1215	400	7.43	1335	92	2.93	9	18.68	8.50	22

SIGNATURE: Ei Vinik

DATE SIGNED: 9/12/06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-12-06	BY: LD	DATE: 9/28/06

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

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

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

PURGING	TIME: 1415	DATE: 9-12-06	SAMPLE	TIME: 1455	DATE: 9-12-06

PURGE METHOD: [X] PUMP Bladder [ ] BAILER	PH: 7.44 SU; CONDUCTIVITY: 1249 umhos/cm; ORP: 162 mv; DO: 4.48 mg/L
DEPTH TO WATER: 9.01 T/ PVC	TURBIDITY: 9 NTU; [X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY
DEPTH TO BOTTOM: 19.66 T/ PVC	
WELL VOLUME: 6.90 [X] LITERS [ ] GALLONS	TEMPERATURE: 16.11 °C; OTHER:
VOLUME REMOVED: 16 [X] LITERS [ ] GALLONS	COLOR: Clr; ODOR: No
COLOR: Cloudy - Red Floaties; ODOR: No	FILTRATE (0.45 um) [X] YES [ ] NO
TURBIDITY: 197	FILTRATE COLOR: Clr; FILTRATE ODOR: No
[ ] NONE [ ] SLIGHT [X] MODERATE [X] VERY	QC SAMPLE: [ ] MS/MSD [ ] DUP-
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER	COMMENTS: Ferrous: 0 CO_2: 24 mg/L Alk: 100

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)
1415	400	7.34	1266	194	3.76	197	19.75	9.01	INITIAL
1420	↓	7.50	1208	184	2.43	63	16.45	9.01	2
1425		7.51	1220	176	3.74	52	16.24	9.01	4
1430		7.51	1229	171	4.12	24	16.21	9.01	6
1435		7.48	1239	169	4.35	21	16.22	9.01	8
1440	↓	7.47	1240	167	4.32	18	16.15	9.01	10
1445		7.46	1241	166	4.39	14	16.07	9.01	12
1450		7.41	1242	168	4.35	12	16.13	9.01	14
1455	↓	7.44	1249	162	4.48	9	16.11	9.01	16

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	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	500 mL	PL	B	[X] Y [ ] N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 9/12/06	AIRBILL NUMBER: 856893478 ~~8476~~ 8414
COC NUMBER: 0152223	SIGNATURE: C. Vinck	DATE SIGNED: 9/12/06

RMT WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-12-06	BY: LO	DATE: 9/28/06

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

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

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

PURGING	TIME: 1605	DATE: 9-12-06	SAMPLE	TIME: 1650	DATE: 9-12-06
PURGE METHOD:	[X] PUMP BLADDER		PH: 7.28 SU	CONDUCTIVITY: 1254 umhos/cm	
	[ ] BAILER		ORP: 33 mv	DO: 0.60 mg/L	
DEPTH TO WATER: 8.29 T/ PVC			TURBIDITY: 10 NTU		
DEPTH TO BOTTOM: 20.22 T/ PVC			[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 7.73 [X] LITERS [ ] GALLONS			TEMPERATURE: 15.80 °C	OTHER:	
VOLUME REMOVED: 18 [X] LITERS [ ] GALLONS			COLOR: CLR	ODOR: NO	
COLOR: Clear - Red Flakies	ODOR: NO		FILTRATE (0.45 um) [X] YES [ ] NO		
TURBIDITY: 28			FILTRATE COLOR: Clear	FILTRATE ODOR: NONE	
[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY			QC SAMPLE: [ ] MS/MSD [ ] DUP-		
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER			COMMENTS: Ferrous - 9, Alk - 200 CO_2 - 50		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1605	400	~~7.64~~ 7.48	1183	154	7.01	28	~~22.66~~ 18.47	8.29	INITIAL
1610		7.11	1405	160	0.44	28	15.98	8.20	2
1615		7.08	1347	120	0.45	22	15.90	8.20	4
1620		7.11	1314	97	0.49	18	15.84	8.20	6
1625		7.20	1295	78	0.51	16	15.86	8.20	8
1630		7.21	1278	64	0.56	15	15.87	8.20	10
1635		7.24	1266	51	0.55	13	15.81	8.20	12
1640		7.28	1260	42	0.57	14	15.81	8.20	14
1645		7.28	1258	38	0.57	12	15.78	8.20	16
1650		7.28	1254	33	0.60	10	15.80	8.20	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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	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	500 mL	PL	B	[X] Y [ ] N

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 9/12/06	AIRBILL NUMBER: 8568 9347 8469
COC NUMBER: 0132223	SIGNATURE: E. Vinck	DATE SIGNED: 9/12/06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-13-06	BY:	DATE: 9/28/06

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

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

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

PURGING	TIME: 0815	DATE: 9-13-06	SAMPLE	TIME: 0910	DATE: 9/13/06

PURGE METHOD: [X] PUMP BLADDER [ ] BAILER	PH: 7.45 SU CONDUCTIVITY: 406 umhos/cm
	ORP: 143 mv DO: 2.87 mg/L
DEPTH TO WATER: 4.98 T/ PVC	TURBIDITY: 10 NTU
DEPTH TO BOTTOM: 15.66 T/ PVC	[X] NONE [ ] SLIGHT [ ] MODERATE [ ] VERY
WELL VOLUME: 4.35 [X] LITERS [ ] GALLONS	TEMPERATURE: 16.38 °C OTHER:
VOLUME REMOVED: 16.5 [X] LITERS [ ] GALLONS	COLOR: clr ODOR: none
COLOR: Cloudy ODOR:	FILTRATE (0.45 um) [X] YES [ ] NO
TURBIDITY: 100	FILTRATE COLOR: clr FILTRATE ODOR: none
[ ] NONE [ ] SLIGHT [X] MODERATE [ ] VERY	QC SAMPLE: [ ] MS/MSD [ ] DUP-
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER	COMMENTS: Ferrous 0 CO_2 -22 Alk-100

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)
0815	300	7.57	325	177	4.11	100	16.18	8.88	INITIAL
0820		7.50	316	175	3.67	32	16.19		1.5
0825		7.49	325	160	3.21	35	16.17		3
0830		7.41	333	157	3.15	24	16.29		4.5
0835		7.42	338	155	3.06	18	16.43		6
0840		7.43	348	153	3.05	16	16.38		7.5
0845		7.45	354	151	3.06	14	16.41		9
0850		7.46	368	149	3.00	13	16.49		10.5
0855		7.47	381	150	2.80	12	16.48		12
0900		7.45	389	149	2.88	11	16.54		13.5

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: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

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

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

SHIPPING METHOD: LAB Pickup	DATE SHIPPED: 9-13-06	AIRBILL NUMBER: NA			
COC NUMBER: 0124279	SIGNATURE: Scott Pauly	DATE SIGNED: 9-13-06			

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/13/06	BY: [illegible]	DATE: 9/28/06

SAMPLE ID: MW-19-5

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0905	300	7.46	400	147	2.87	10	16.59	8.88	15
0910	300	7.45	406	143	2.87	10	16.38	8.88	16.5

SIGNATURE: [illegible]

DATE SIGNED: 9-13-06

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-13-06	BY: LD	DATE: 9/28/06

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

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☒ OTHER Galv.

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

RURGING	TIME: 1000	DATE: 9-13-06	SAMPLE	TIME: 1040	DATE: 9-13-06

PURGE METHOD: ☒ PUMP Bladder ☐ BAILER	PH: 7.08 SU / CONDUCTIVITY: 761 umhos/cm / ORP: -24 mv / DO: 0.34 mg/L
DEPTH TO WATER: 9.10 T/ PVC	TURBIDITY: 5 NTU
DEPTH TO BOTTOM: 16.58 T/ PVC	☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY
WELL VOLUME: 4.85 ☒ LITERS ☐ GALLONS	TEMPERATURE: 16.20 °C / OTHER:
VOLUME REMOVED: 16 ☒ LITERS ☐ GALLONS	COLOR: Clear / ODOR: Strong
COLOR: Clear / ODOR: Strong	FILTRATE (0.45 um) ☒ YES ☐ NO
TURBIDITY: 8	FILTRATE COLOR: clear / FILTRATE ODOR:
☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	QC SAMPLE: ☐ MS/MSD ☐ DUP-
DISPOSAL METHOD: ☐ GROUND ☒ DRUM ☐ OTHER	COMMENTS: Ferrous: (18) Alk: 100 CO_2: 90

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)
1000	400	7.30	839	81	1.20	8	15.80	9.10	INITIAL
1005		7.22	711	25	0.48	7	16.04	9.24	2
1010		7.18	721	3	0.48	5	16.15	9.24	4
1015		7.14	733	-6	0.36	5	16.18	9.24	6
1020		7.11	740	-12	0.40	5	16.20	9.24	8
1025		7.11	765	-16	0.38	5	16.23	9.24	10
1030		7.10	757	-19	0.37	5	16.23	9.24	12
1035		7.08	768	-21	0.34	5	16.25	9.24	14
1040		7.08	761	-24	0.34	5	16.20	9.24	16

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

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

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9-13-06	AIRBILL NUMBER: NA
COC NUMBER: 0124279	SIGNATURE: [signature]	DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/13/06	BY: SO	DATE: 9/28/06

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

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

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

PURGING	TIME: 1052	DATE: 9/13/06	SAMPLE	TIME: 1127	DATE: 9/13/06

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 2.26 T/ PVC

DEPTH TO BOTTOM: 9.89 T/ PVC

WELL VOLUME: 4.94 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 14.0 [X] LITERS [ ] GALLONS

COLOR: Brn ODOR: None

TURBIDITY: >1000

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

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

PH: 5.57 SU CONDUCTIVITY: 572 umhos/cm

ORP: 90.1 mv DO: 0.97 mg/L

TURBIDITY: 229 NTU

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

TEMPERATURE: 15.67 °C OTHER:

COLOR: Brn Cloudy ODOR: None

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

FILTRATE COLOR: CLR FILTRATE ODOR: None

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

COMMENTS: Ferrous-5, Alk-160 CO_2-350

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1052	400	6.45	575	8.0	8.45	>1000	16.06	2.26	INITIAL
1057		5.79	576	60.8	0.34	>1000	15.76	2.41	2.0
1102		5.64	571	70.1	0.34	460	15.57	2.50	4.0
1107		5.60	569	72.3	0.36	283	15.53	2.81	6.0
1112		5.59	570	99.6	0.37	252	15.55	2.89	8.0
1117		5.59	572	101.7	1.01	244	15.59	2.92	10.0
1122		5.57	573	93.1	1.01	247	15.64	2.97	12.0
1127		5.57	572	90.1	0.97	229	15.67	2.99	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: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9/13/06	AIRBILL NUMBER: NA
COC NUMBER: 0124279	SIGNATURE: [signature]	DATE SIGNED: 9/13/06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-13-06	BY: LO	DATE: 9/28/06

SAMPLE ID: MW-28I WELL DIAMETER: [X] 2" [ ] 4" [ ] 6" [ ] OTHER

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

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

PURGING	TIME: ~~9-13-06~~ 1202	DATE: 9-13-06	SAMPLE	TIME: 1312	DATE: 9-13-06

PURGE METHOD:	[X] PUMP BLADDER / [ ] BAILER	PH: 7.59 SU	CONDUCTIVITY: 649 umhos/cm
		ORP: -98 mv	DO: 0.51 mg/L
DEPTH TO WATER: 5.75 T/ PVC		TURBIDITY: 14 NTU	
DEPTH TO BOTTOM: 22.81 T/ PVC		[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY	
WELL VOLUME: 11.05 [X] LITERS [ ] GALLONS		TEMPERATURE: 16.42 °C	OTHER:
VOLUME REMOVED: 28 [X] LITERS [ ] GALLONS		COLOR: clear	ODOR: ~~Lots~~ Slight
COLOR: Cloudy Brown	ODOR: Slight	FILTRATE (0.45 um) [X] YES [ ] NO	
TURBIDITY: 293		FILTRATE COLOR: clear	FILTRATE ODOR: No
[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY		QC SAMPLE: [ ] MS/MSD [ ] DUP-	
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER		COMMENTS: Ferrous: 18 Alk: 90 CO_2: 27	

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GALLONS)
1202	400	7.34	678	53	1.99	293	17.62	5.75	INITIAL
1207	↓	7.46	688	-25	0.29	297	16.41	5.75	2
1212		7.54	680	-59	0.27	190	16.28	5.75	4
1217		7.58	671	-80	0.28	114	16.25	5.75	6
1222		7.59	664	-89	0.30	71	16.18	5.75	8
1227		7.57	658	-94	0.35	49	16.23	5.75	10
1232		7.60	654	-98	0.39	36	16.25	5.75	12
1237		7.60	653	-99	0.39	29	16.24	↓	14
1242		7.61	650	-100	0.42	26	16.24		16
1247	↓	7.59	648	-100	0.44	22	16.20		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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: ~~9-13-06~~	AIRBILL NUMBER: NA
COC NUMBER: 0124279	SIGNATURE: [signature]	DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.18	BY: SP/EV	DATE: 9-13-06	BY: SD	DATE: 9/28/06

SAMPLE ID: MW-28I

TIME	PURGE RATE (ML/MIN)	pH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1252	400	7.59	650	-100	0.49	19	16.21	5.75	20
1257	↓	7.59	649	-99	0.49	17	16.28	5.75	22
1302	↓	7.60	650	-98	0.50	15	16.42	5.75	24
1307	↓	7.59	649	-98	0.52	15	16.45	5.75	26
1312		7.59	649	-98	0.51	14	16.42	5.75	28

SIGNATURE: [signature]

DATE SIGNED: 9-13-06

REVISED 07/2005

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/13/06	BY: LD	DATE: 9/28/06

SAMPLE ID: MW-28S

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

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

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

PURGING	TIME: 1215	DATE: 9/13/06	SAMPLE	TIME: 1315	DATE: 9/13/06
PURGE METHOD:	[X] PUMP Bladder / [ ] BAILER		PH: 5.96 SU	CONDUCTIVITY: 831 umhos/cm	
			ORP: -101.8 mv	DO: 6.27 mg/L	
DEPTH TO WATER: 5.79 T/ PVC			TURBIDITY: 14 NTU		
DEPTH TO BOTTOM: 17.65 T/ PVC			[ ] NONE [X] SLIGHT [ ] MODERATE [ ] VERY		
WELL VOLUME: 7.69 [X] LITERS [ ] GALLONS			TEMPERATURE: 17.69 °C	OTHER:	
VOLUME REMOVED: 18 [X] LITERS [ ] GALLONS			COLOR: Clear	ODOR: Slight	
COLOR: Cloudy, Blk Float	ODOR: Slight		FILTRATE (0.45 um) [X] YES [ ] NO		
TURBIDITY: 234			FILTRATE COLOR: Clr	FILTRATE ODOR: No	
[ ] NONE [ ] SLIGHT [ ] MODERATE [X] VERY			QC SAMPLE: [ ] MS/MSD [X] DUP- D2		
DISPOSAL METHOD: [ ] GROUND [X] DRUM [ ] OTHER			COMMENTS: Ferrous->20, Alk-180, CO2-90		

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)
1215	300	6.77	299	18.1	7.70	234	18.21	5.79	INITIAL
1220		6.26	715	-56.0	0.13	230	17.82	5.79	1.5
1225		6.00	738	-55.4	0.15	136	17.78	5.80	3.0
1230		5.97	765	-64.8	0.23	77	17.74	5.82	4.5
1235		5.97	781	-70.5	0.22	47	17.73	5.82	6.0
1240		5.98	789	-74.0	0.22	36	17.71	5.82	8.5
1245		5.96	798	-72.7	0.25	32	17.69	5.82	~~10.0~~ 9.0
1250		5.95	806	-79.3	0.23	26	17.64	5.82	~~12.0~~ 10.5
1255		5.96	810	-83.7	0.23	22	17.63	5.82	~~14.0~~ 12.0
1300		5.95	816	-86.1	0.23	20	17.67	5.82	13.5

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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
10/6	40 mL	VOA	E	[ ] Y [✓] N	4/2	1 L	AMBER	F	[ ] Y [✓] N
2/1	40 mL	VOA	A	[ ] Y [✓] N	4/1	1 L	PLASTIC	A	[ ] Y [✓] N
2/1	40 mL	VOA	C	[ ] Y [✓] N	8/1		PLASTIC	F	[ ] Y [✓] N
4/2	1 L	GLASS	C	[ ] Y [✓] N	2	500 mL	PL	B	[X] Y [ ] N

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9-13-06	AIRBILL NUMBER: NA
COC NUMBER: 0124279	SIGNATURE: Scott Pauley	DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.18	BY: SP/EV	DATE: 9/13/06	BY: XO	DATE: 9/28/06

SAMPLE ID: MW-38S

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)
1305	300	5.96	822	-86.8	0.24	15	17.70	5.82	15.0
1310	300	5.93	829	-97.9	0.25	16	17.70	5.82	16.5
1315	300	5.96	831	-101.8	0.27	14	17.69	5.82	18.0

SIGNATURE: [signature]

DATE SIGNED: 9/13/06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/13/06	BY: JD	DATE: 9/28/06

SAMPLE ID: MW-30 S

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: 1648	DATE: 9/13/06	SAMPLE	TIME: 1828	DATE: 9/13/06

PURGE METHOD: [X] PUMP Bladder [ ] BAILER

DEPTH TO WATER: 2.99 T/ PVC

DEPTH TO BOTTOM: 12.10 T/ PVC

WELL VOLUME: 5.90 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 40 [X] LITERS [ ] GALLONS

COLOR: Dark Gray ODOR: Strong

TURBIDITY: >1000

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

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

PH: 5.66 SU CONDUCTIVITY: 704 umhos/cm

ORP: 73.1 mv DO: 0.39 mg/L

TURBIDITY: 155 NTU

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

TEMPERATURE: 18.90 °C OTHER:

COLOR: Cloudy ODOR:

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

FILTRATE COLOR: Clr FILTRATE ODOR:

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

COMMENTS: Sheen in purge water

Ferrous: 18
Alk: 60
CO_2: 250

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1648	400	6.60	504	-38.2	5.92	>1000	19.33	2.99	INITIAL
1653		5.91	673	-23.2	0.25	>1000	19.15	2.99	2.0
1658		5.75	695	-21.2	0.30	>1000	19.13	2.99	4.0
1703		5.71	704	-24.4	0.33	>1000	19.11	2.99	6.0
1708		5.71	707	-24.8	0.34	>1000	19.08	2.99	8.0
1713		5.70	708	-26.7	0.34	>1000	19.07	2.99	10.0
1718		5.75	707	-43.1	0.40	916	19.04	2.99	12.0
1723		5.69	706	-42.6	0.39	711	19.02	2.99	14.0
1728		5.65	717	-35.7	0.24	520	19.03	2.99	16.0
1733		5.65	717	-40.6	0.26	472	19.00	2.99	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: +/- 10 OR </= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

PRESERVATIVE CODES

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

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

SHIPPING METHOD: Fed Ex	DATE SHIPPED: 9-13-06	AIRBILL NUMBER: NA
COC NUMBER: 0131686	SIGNATURE: [signature]	DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/13/06	BY: JO	DATE: 9/28/06

SAMPLE ID: MW-305

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)
1738	400	5.65	717	-44.8	0.28	412	18.98	2.99	20.0
1743		5.65	716	-47.7	0.30	367	18.98	2.99	22.0
1748		5.66	715	-50.5	0.32	349	18.96	2.99	24.0
1753		5.66	715	-96.0	0.33	325	18.96	2.99	26.0
1758		5.66	713	-78.5	0.33	294	18.93	2.99	28.0
1803		5.64	715	-72.8	0.35	253	19.01	2.99	30.0
1808		5.65	712	-73.2	0.36	215	18.95	2.99	32.0
1813		5.65	711	-71.9	0.37	185	18.91	2.99	34.0
1818		5.66	708	-72.0	0.36	170	18.94	2.99	36.0
1823		5.66	706	-72.7	0.40	171	18.89	2.99	38.0
1828		5.66	704	-73.1	0.39	155	18.90	2.99	40.0
		Ferrous -							
		Alk -							
		CO_2 -							

SIGNATURE: [signature]

DATE SIGNED: 9/13/06

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-13-06	BY: JD	DATE: 9/28/06

SAMPLE ID: MW-30 I

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

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

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

PURGING	TIME: 1650	DATE: 9-13-06	SAMPLE	TIME: 1750	DATE: 9/13/06

PURGE METHOD: [X] PUMP BLADDER [ ] BAILER

DEPTH TO WATER: 2.90 T/ PVC

DEPTH TO BOTTOM: 18.10 T/ PVC

WELL VOLUME: 9.85 [X] LITERS [ ] GALLONS

VOLUME REMOVED: 24 [X] LITERS [ ] GALLONS

COLOR: Cloudy ODOR: NO

TURBIDITY: 62

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

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

PH: 7.52 SU CONDUCTIVITY: 777 umhos/cm

ORP: -63 mv DO: 0.43 mg/L

TURBIDITY: 9 NTU

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

TEMPERATURE: 17.13 °C OTHER:

COLOR: CLEAR ODOR: NO

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

FILTRATE COLOR: CLEAR FILTRATE ODOR: NO

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

COMMENTS: Ferrous: 18 Alk: 180 CO_2: 32 mg/L

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)
1650	400	7.35	717	158	5.80	62	18.67	2.90	INITIAL
1655		7.57	779	73	0.39	93	17.45	3.00	2
1700		7.66	778	34	0.36	81	17.40	3.00	4
1705		7.63	779	5	0.36	62	17.35	3.00	6
1710		7.59	776	-16	0.39	46	17.32	3.00	8
1715		7.58	775	-31	0.42	30	17.28	3.00	10
1720		7.57	777	-46	0.44	23	17.26	3.00	12
1725		7.56	778	-47	0.42	17	17.21	3.00	14
1730		7.54	772	-50	0.46	17	17.25	3.00	16
1735		7.55	774	-52	0.44	13	17.28	3.00	18

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
5	40 mL	VOA	E	[ ] Y [✓] N	2	1 L	AMBER	F	[ ] Y [✓] N
1	40 mL	VOA	A	[ ] Y [✓] N	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	500 mL	PL	B	[X] Y [ ] N

SHIPPING METHOD: FED EX	DATE SHIPPED: 9-13-06	AIRBILL NUMBER: NA
COC NUMBER: 0131686	SIGNATURE: [signature]	DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: ~~EV & JO~~	DATE: 9-13-06	BY: DO	DATE: 9/28/06

SAMPLE ID: MW-30 I

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)
1740	400	7.55	777	-58	0.45	13	17.20	3.00	20
1745	400	7.52	773	-61	0.36	11	17.15	3.00	22
1750	400	7.52	777	-63	0.43	9	17.13	3.00	24

SIGNATURE: [signature]

DATE SIGNED: 9-13-06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9/14/06	BY: LO	DATE: 9/28/06

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: 0849	DATE: 9/14/06	SAMPLE	TIME: 1049	DATE: 9/14/06
PURGE METHOD:	☒ PUMP BLADDER ☐ BAILER		PH: 7.00 SU	CONDUCTIVITY: 458 umhos/cm	
			ORP: -44.0 mv	DO: 2.49 mg/L	
DEPTH TO WATER: 3.02 T/ PVC			TURBIDITY: 15 NTU		
DEPTH TO BOTTOM: 27.15 T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 15.64 ☒ LITERS ☐ GALLONS			TEMPERATURE: 15.07 °C	OTHER:	
VOLUME REMOVED: 48 ☒ LITERS ☐ GALLONS			COLOR: clear	ODOR: no	
COLOR: Brown	ODOR: (none)		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 669			FILTRATE COLOR: clr	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☒ DRUM ☐ OTHER			COMMENTS: Ferrous: 2.5 Alk: 70 CO_2: 70		

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)
0849	400	7.39	419	130.0	6.34	669	17.71	3.00	INITIAL
0854		5.86	427	96.4	0.91	423	15.71	2.95	2
0859		5.64	438	116	0.35	229	15.56	2.95	4
0904		5.56	443	123	0.27	147	15.49	2.95	6
0909		5.54	447	125	0.26	97	15.43	2.95	8
0914		5.52	449	125.9	0.26	79	15.41	2.95	10
0919		5.51	449	126.7	0.26	57	15.40	2.95	12
0924		5.50	448	127.4	0.29	51	15.35	2.95	14
0929		5.50	448	127.3	0.34	42	15.32	2.95	16
0934		5.49	447	127.7	0.29	36	15.35	2.95	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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9/14/06	AIRBILL NUMBER: NA
COC NUMBER: 0128566	SIGNATURE: [signature]	DATE SIGNED: 9/14/06

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: EV & [illegible]	DATE: 9/14/06	BY: JO	DATE: 9/28/06

SAMPLE ID: MW-30D

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0939	400	5.50	448	128.0	0.46	41	15.44	2.95	20
0944	400	5.73	454	88.2	1.14	45	15.31	2.95	22
0949	400	6.00	450	80.3	1.51	38	15.23	2.95	24
0954	400	6.20	450	61.5	1.82	27	15.21	2.95	26
0959	400	6.36	454	43.1	2.08	26	15.19	2.95	28
1004	400	6.50	457	27.1	2.19	23	15.15	2.95	30
1009	400	6.62	455	14.7	2.30	22	15.18	2.95	32
1014	400	6.72	457	4.0	2.39	21	15.10	2.95	34
1019	400	6.82	454	-6.9	2.36	19	15.11	2.95	36
1024	400	6.85	458	-12.9	2.42	19	15.12	2.95	38
1029	400	6.94	458	-25.5	2.46	16	15.65	2.95	40
1034	400	6.99	458	-36.1	2.49	16	15.11	2.95	42
1039	400	7.04	459	-44.9	2.55	16	15.13	2.95	44
1044	400	7.09	458	-53.4	2.57	14	15.07	2.95	46
1049	400	7.08	458	-44.0	2.49	15	15.07	2.95	48

SIGNATURE: [signature]

DATE SIGNED: 9-14-06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-14-06	BY: JD	DATE: 9/28/06

SAMPLE ID: MW-29S

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☒ OTHER GALV.

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

PURGING	TIME: 1005	DATE: 9-14-06	SAMPLE	TIME: 1145	DATE: 9-14-06

PURGE METHOD:	☒ PUMP BLADDER ☐ BAILER	PH: 6.73 SU	CONDUCTIVITY: 1090 umhos/cm
		ORP: -109.8 mv	DO: 0.36 mg/L
DEPTH TO WATER: 7.60 T/ PVC		TURBIDITY: 10 NTU	
DEPTH TO BOTTOM: 14.59 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 4.53 ☒ LITERS ☐ GALLONS		TEMPERATURE: 20.63 °C	OTHER:
VOLUME REMOVED: 16 ☒ LITERS ☐ GALLONS		COLOR: Clear	ODOR: NO
COLOR: Clear	ODOR: NO	FILTRATE (0.45 um) ☒ YES ☐ NO	
TURBIDITY: 28		FILTRATE COLOR: Clear	FILTRATE ODOR: NONE
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD: ☐ GROUND ☒ DRUM ☐ OTHER		COMMENTS:	

Ferrous-18
CO_2-80
ALK-310

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)
1105	400	6.71	1074	-110.3	0.37	28	20.46	7.60	INITIAL
1110	↓	6.73	1081	-122.5	0.21	27	20.65	7.54	2
1115	↓	6.73	1087	-124.4	0.25	26	20.64	7.54	4
1120	↓	6.73	1086	-121.8	0.22	22	20.68	7.54	6
1125	↓	6.73	1087	-117.8	0.26	17	20.64	7.54	8
1130	↓	6.73	1087	-115.9	0.28	13	20.61	7.54	10
1135	↓	6.73	1090	-112.4	0.35	13	20.65	7.54	12
1140	↓	6.73	1090	-110.0	0.34	11	20.65	7.54	14
1145	↓	6.73	1090	-109.8	0.36	10	20.63	7.54	16

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

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

BOTTLES FILLED

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

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

SHIPPING METHOD:	Lab Pickup	DATE SHIPPED:	9-14-06	AIRBILL NUMBER:	NA
COC NUMBER:	0128566	SIGNATURE:	[illegible]	DATE SIGNED:	9-14-06

RMT

WATER SAMPLE LOG

PROJECT NAME:	L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER:	6527.18	BY: SP/EV	DATE: 9-14-06	BY: SO	DATE: 9/28/06

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: 1330	DATE: 9-14-06

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

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

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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

BOTTLES FILLED

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

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

SHIPPING METHOD:	Lab Pickup	DATE SHIPPED:	9-14-06	AIRBILL NUMBER:	NA
COC NUMBER:	012 8566	SIGNATURE:	Scott Parker	DATE SIGNED:	9-14-06

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.18	BY: SP/EV	DATE: 9-14-06	BY: SO	DATE: 9/28/06

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: 1325	DATE: 9-14-06
PURGE METHOD:	☐ PUMP ☐ BAILER		PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM: T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☐ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED: ☐ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR:	ODOR:		FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD: ☐ GROUND ☐ DRUM ☐ OTHER			COMMENTS:		

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

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: +/- 10 OR <= 5 TEMP.: +/- 0.5°C

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

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

SHIPPING METHOD: Lab Pickup	DATE SHIPPED: 9-14-06	AIRBILL NUMBER: NA
COC NUMBER: 0128566	SIGNATURE: Scott Pauly	DATE SIGNED: 9-14-06

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0127227

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

(1)
Client: RMT Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: E.V. / S.P. Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#:

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES)	Matrix: Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals							Remarks
Preservation Codes									H	—							
SW-D-5	9/11/06	1558	X			X		5	X	X							
SW-D-4		1845						5	X	X							
SW-D-3		1810 ~~1706~~						5	X	X							
SW-D-2		1825						5	X	X							
SW-D-1		1830						5	X	X							
~~DRC-1~~																	Not Sampled
DRC-2		1612						5	X	X							
SW-R-1		1645						10	X	X							MS/MSD
SW-R-2		1655							X	X							
SW-R-3	9/11/06	1706	X			X			X	X							

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/12/06		[signature]	9/12/06	1350
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0124291

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

(1)
Client: RMT Inc. Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Cleveh P.O.#: 6527.18
Sampler: E.V. / S.P. Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable / Drinking Water	Non-Potable Water	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Total Pos P	~~Sulfate~~ Nitrate	TDS, TSS, Sulfide	Pb (Dissolved) Total	Ammonia Nitrogen	HPC	Nitrite Volatile Hydrocarbons	Remarks	Sample Specific Preservation Required (Circle)
SW-R-4	9/11/06	1715	X			X			5	X	X									
SW-R-5	9/11/06	1945	X			X			5	X	X									
SW-R-6	9/11/06	1735	X			X			5	X	X									
DUP-01	9/11/06	—	X			X			5	X	X									
TB-01	—	—				X			1	X										
MW-27S	9/11/06	1945	X			X			9	X	X		X					X		
MW-27S	9/12/06	0806	X			X			2			X				X				
MW-19-12	9/12/06	1002	X			X			5	X	X	X	X	X	X	X	X	X		
ATM-01	9/12/06	1015	X			X			5	X	X	X	X	X	X	X	X	X	Total Pb	
MW-27S	9/12/06	1320	X			X			2						X		X			

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

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
E. Vick			S. Reference	9/13/06	1350
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0132223

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

For Lab Use Only
FSC: _____
SCR#: _____

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

(1)
Client: RMT Inc Acct. #: _____
Project Name/#: L.C. Carpenter PWSID #: _____
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: EV/SP Quote #: _____
Name of state where samples were collected: NJ

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	Total P (S)	Sulfate TDS TSS (—)	Diss. Pb (N)	Ammonia Nitrogen (S)	HPC (O)	Base Neutrals (O)	Nitrate Nitrogen (S)	Nitrite Nitrogen (—)	BTEX (H) Volatile Hydrocarbons	Remarks	Temperature of samples upon receipt (if requested)
MW-19-6	9/12/06	1455	X			X		15	X	X	X	X	X	X	X	X	X		
MW-19-7	9/12/06	1650	X			X		15	X	X	X	X	X	X	X	X	X		
MW-27-3	9/12/06	1750	X			X		2		X									
TB-02	9/12/06	—	—	—		X		1									X		

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 wks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-3475 Fax #: 616-975-1098
E-mail address: nicholas.clevett@rmtinc.com

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/12/06	1900	FedEx		

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

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0124292

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

(1)

Client: RMT Inc Acct. #:

Project Name/#: L.E. Carpenter PWSID #:

Project Manager: N. Clevett P.O.#: ~~6025~~ 6527.18

Sampler: EV/SP Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	(4) Matrix: Soil	Potable	Non-Potable	Water	Other	Total # of Containers	(5) Analyses Requested: Total P	Sulfate, TDS, TSS	Diss Pb	Ammonia Nitrogen	HPC	Base Neutrals	Nitrate Nitrogen	Nitrite Nitrogen	BTEX (EPA 602) Volatile Hydrocarbon Headspace	Remarks	(6) Temperature of Samples upon receipt (if requested)
MW-19-4	9/12/06	1215	X					X		15	X	X	X	X	X	X	X	X	X		
DUP-01	9/12/06	—	X					X		15	X	X	X	X	X	X	X	X	X		

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 wks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: (616-975-5415 Fax #: (616-975-1078
E-mail address: nicholas.clevett@rmtinc.com

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/12/06		T. Defeve	9/12/06	1352
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

COC # 0124279

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

(1)

Client: RMT Inc Acct. #: _____

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

Project Manager: N. Clevett P.O.#: 6527.18

Sampler: SP/EV Quote #: _____

Name of state where samples were collected: NJ

For Lab Use Only
FSC: _____
SCR #: 29799

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	Total P	Sulfate, TDS, TSS	Diss. Pb	Ammonia Nitrogen	HPC	Base Neutrals	Nitrate Nitrogen	Nitrite Nitrogen	BTEX (EPA 602) Volatile Headspace Hydrocarbon	Remarks
MW-19-5	9/13/06	0910	X			X		15	X	X	X	X	X	X	X	X	X	
MW-19	9/13/06	1040	X			X		15	X	X	X	X	X	X	X	X	X	
MW-25(R)	9/13/06	1127	X			X		15	X	X	X	X	X	X	X	X	X	
MW-28I	9/13/06	1312	X			X		15	X	X	X	X	X	X	X	X	X	
MW-28S	9/13/06	1315	X			X		15	X	X	X	X	X	X	X	X	X	
DUP-02	9/13/06	—	X			X		15	X	X	X	X	X	X	X	X	X	
TB-03						X		2									X	

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

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage					
[signature]	9/13/06	1440	[signature]	[illegible]	[illegible]

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

PG [illegible] OF 46

COC # 0131686

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

(1)
Client: BMT Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: EV/SP Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#: 5205

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

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | (4) Matrix: Soil | Potable (Check if NPDES Applicable) Water | Other | Total # of Containers | (5) Analyses Requested — Preservation Codes: S Total P | — Sulfate TDS TSS | N Diss Pb | S Ammonia Nitrogen | O HPC | D Basic Neutrals | S Nitrogen Nitrate | — Nitrite Nitrogen | H BTEX (EPA 602) Volatile Halocarbons | (6) Remarks | Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Total P	Sulfate TDS TSS	Diss Pb	Ammonia Nitrogen	HPC	Basic Neutrals	Nitrogen Nitrate	Nitrite Nitrogen	BTEX (EPA 602) Volatile Halocarbons	Remarks
MW-30S	9/13/06	1828	X			X		15	X	X	X	X	X	X	X	X	X	
MW-30I	9/13/06	1750	X			X		15	X	X	X	X	X	X	X	X	X	
RB-03	9/13/06	1830	X			X		5						X			X	BTEX + Basic Neut. [illegible]
TB-04						X		2									X	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: 2 weeks
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 616-975-5115 Fax #: 616-975-1098
E-mail address: nicholas.clevett@rmtinc.com

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]					
Scott [illegible]	9-13-06	2000	FEDEX		

Analysis Request/Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # _____ Group# _____ Sample # _____

pg 6 of 46

COC # 0128566

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

(1)
Client: RMT Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevelt P.O.#: 6527.10
Sampler: EV/SP Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#: 3022Y

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable (Check if Applicable)	NPDES (Check if Applicable)	Water	Other	Total # of Containers	Total P (S)	Sulfate TDS TSS (–)	Diss. Pb (N)	Ammonia Nitrogen (S)	HPC (O)	Base Neutrals (O)	Nitrate Nitrogen (S)	Nitrite Nitrogen (–)	BTEX EPA 602 Volatile Halogenated (H)	Remarks	Temperature of samples upon receipt (if requested)
MW-30D	9/13/06	1049	X					X		15	X	X	X	X	X	X	X	X	X		
MW-29S	9/13/06	1145	X					X		15	X	X	X	X	X	X	X	X	X		
MW-19-12	9/13/06	1240	X					X		1					X						
ATM-01	9/13/06	1245	X					X		1					X						
BB-01	9/13/06	1330	X					X		15	X	X	X	X	X	X	X	X	X	Total Lead	
BB-02	9/13/06	1325	X					X		15	X	X	X	X	X	X	X	X	X	Total Lead	
TB-05								X		1									X		

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Scott C Savage					
Relinquished by:	Date	Time	Received by:	Date	Time
	9/14/06	1325		9/14/06	1325
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Appendix D
3rd Quarter 2006
Laboratory Analytical Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005352. Samples arrived at the laboratory on Tuesday, September 12, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
MW-19-12 Matrix_Spike Grab Water Sample	4863265
MW-19-12 Matrix_Spike_Duplicate Grab Water Sample	4863266
MW-19-12 Duplicate Grab Water Sample	4863267

METHODOLOGY

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Respectfully Submitted,

Max E. Snavely
Senior Specialist

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863265

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

Collected:09/12/2006 10:02 by EV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/29/2006 at 09:40
Discard: 10/30/2006

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

19-12 SDG#: LEC59-08MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.129	0.0069	mg/l	1
00212	Total Dissolved Solids	n.a.	1,660.	38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.21	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.3	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	16.4	0.34	mg/l	1.7
00227	Total Phosphorus as P (water)	7723-14-0	2.1	0.080	mg/l	1
00228	Sulfate	14808-79-8	77.6	3.0	mg/l	10
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	420.	10.	ug/l	5
07107	Ethane	74-84-0	280.	5.0	ug/l	5
07108	Ethene	74-85-1	300.	5.0	ug/l	5
07109	Propane	74-98-6	280.	5.0	ug/l	5
	The matrix spike was performed on the 5-fold dilution of the sample required to bring methane into the calibration range.					
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	67.	0.6	ug/l	1
07029	Benzene	71-43-2	21.	0.2	ug/l	1
07030	Toluene	108-88-3	22.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	22.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	87.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863265

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

Collected:09/12/2006 10:02 by EV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/29/2006 at 09:40
Discard: 10/30/2006

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

19-12 SDG#: LEC59-08MS

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 19:33	John P Hook	1
00212	Total Dissolved Solids	EPA 160.1	1	09/18/2006 09:18	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 22:31	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:17	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1.7
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:25	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/15/2006 16:32	Ashley M Heckman	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 15:42	Hai D Nguyen	5
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 07:20	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 05:55	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863266

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

Collected:09/12/2006 10:02 by EV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/29/2006 at 09:40
Discard: 10/30/2006

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

19-12 SDG#: LEC59-08MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.124	0.0069	mg/l	1
00212	Total Dissolved Solids	n.a.	1,590.	38.8	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	16.3	0.34	mg/l	1.7
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	410.	10.	ug/l	5
07107	Ethane	74-84-0	280.	5.0	ug/l	5
07108	Ethene	74-85-1	290.	5.0	ug/l	5
07109	Propane	74-98-6	280.	5.0	ug/l	5
	The matrix spike was performed on the 5-fold dilution of the sample required to bring methane into the calibration range.					
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	58.	0.6	ug/l	1
07029	Benzene	71-43-2	19.	0.2	ug/l	1
07030	Toluene	108-88-3	19.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	20.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	92.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 19:38	John P Hook	1
00212	Total Dissolved Solids	EPA 160.1	1	09/18/2006 09:18	Yolunder Y Bunch	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863266

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

Collected:09/12/2006 10:02 by EV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/29/2006 at 09:40
Discard: 10/30/2006

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

19-12 SDG#: LEC59-08MSD

00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1.7
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 15:58	Hai D Nguyen	5
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 07:53	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 06:49	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863267

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

Collected:09/12/2006 10:02 by EV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/29/2006 at 09:40
Discard: 10/30/2006

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

19-12 SDG#: LEC59-08DUP

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00206	Total Suspended Solids	n.a.	8.0	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	798.		38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.34		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.34	mg/l	1.7
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	mg/l	1
00228	Sulfate	14808-79-8	28.4		1.5	mg/l	5

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 19:28	John P Hook	1
00206	Total Suspended Solids	EPA 160.2	1	09/15/2006 08:56	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/18/2006 09:18	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 22:26	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:19	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1.7
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:23	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/15/2006 16:17	Ashley M Heckman	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005352
Reported: 09/29/06 at 09:40 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06256105103A	Sample number(s): 4863265,4863267							
Nitrite Nitrogen	N.D.	0.015	mg/l	99		90-110		
Batch number: 06256109101B	Sample number(s): 4863265,4863267							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	98		90-110		
Batch number: 06257WAC625	Sample number(s): 4863265-4863266							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93		68-111		
Batch number: 062580012A	Sample number(s): 4863265-4863266							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Propane	N.D.	1.0	ug/l	103		73-125		
Batch number: 06258020601A	Sample number(s): 4863267							
Total Suspended Solids	N.D.	3.0	mg/l	87		56-128		
Batch number: 06258196101B	Sample number(s): 4863265,4863267							
Sulfate	N.D.	0.30	mg/l	100		89-110		
Batch number: 06258A15A	Sample number(s): 4863265-4863266							
Total Xylenes	N.D.	0.6	ug/l	102		82-120		
Benzene	N.D.	0.2	ug/l	100		86-119		
Toluene	N.D.	0.2	ug/l	102		82-119		
Ethylbenzene	N.D.	0.2	ug/l	101		81-119		
Batch number: 062591848002	Sample number(s): 4863265-4863267							
Lead	N.D.	0.0069	mg/l	108		90-113		
Batch number: 06261021201A	Sample number(s): 4863265-4863267							
Total Dissolved Solids	11.0 J	9.7	mg/l	111		80-120		
Batch number: 06261022101A	Sample number(s): 4863265-4863267							
Ammonia Nitrogen	N.D.	0.20	mg/l	95		91-100		
Batch number: 06262106103A	Sample number(s): 4863265,4863267							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005352
Reported: 09/29/06 at 09:40 AM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 06256105103A	Sample number(s): 4863265,4863267 UNSPK: 4863267 BKG: 4863267								
Nitrite Nitrogen	106		90-110			N.D.	N.D.	4 (1)	20
Batch number: 06256109101B	Sample number(s): 4863265,4863267 UNSPK: P862889 BKG: P862889								
Total Phosphorus as P (water)	104		90-110			N.D.	N.D.	0 (1)	3
Batch number: 06257WAC625	Sample number(s): 4863265-4863266 UNSPK: P862889								
bis(2-Ethylhexyl)phthalate	87	92	77-106	5	30				
Batch number: 062580012A	Sample number(s): 4863265-4863266 UNSPK: P862889								
Methane	83	80	63-124	2	20				
Ethane	93	93	63-127	0	20				
Ethene	100	97	69-126	3	20				
Propane	93	93	56-136	0	20				
Batch number: 06258020601A	Sample number(s): 4863267 BKG: P862889								
Total Suspended Solids						6.4 J	8.0 J	22* (1)	20
Batch number: 06258196101B	Sample number(s): 4863265,4863267 UNSPK: P862889 BKG: P862889								
Sulfate	109		90-110			22.9	28.4	22* (1)	3
Batch number: 06258A15A	Sample number(s): 4863265-4863266 UNSPK: P862889								
Total Xylenes	112	96	84-131	15	30				
Benzene	107	97	78-131	10	30				
Toluene	112	97	78-129	15	30				
Ethylbenzene	112	98	75-133	14	30				
Batch number: 062591848002	Sample number(s): 4863265-4863267 UNSPK: P862889 BKG: P862889								
Lead	107	103	75-125	4	20	N.D.	N.D.	1121* (1)	20
Batch number: 06261021201A	Sample number(s): 4863265-4863267 UNSPK: P862889 BKG: P862889								
Total Dissolved Solids	105	96	60-140	4	5	822.	798.	3	5
Batch number: 06261022101A	Sample number(s): 4863265-4863267 UNSPK: P862889 BKG: P862889								
Ammonia Nitrogen	96	96	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 06262106103A	Sample number(s): 4863265,4863267 UNSPK: P862889 BKG: P862889								
Nitrate Nitrogen	114*		90-110			0.36	0.35	4* (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Base Neutrals
Batch number: 06257WAC625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4863265	99	92	64
4863266	100	96	68
Blank	93	82	90
LCS	99	98	88
MS	99	92	64

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005352
Reported: 09/29/06 at 09:40 AM

Surrogate Quality Control

MSD	100	96	68
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062580012A

	Propene
4863265	91
4863266	85
Blank	102
LCS	98
MS	91
MSD	85
Limits:	38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06258A15A

	Trifluorotoluene-P
4863265	99
4863266	99
Blank	99
LCS	100
MS	99
MSD	99
Limits:	69-129

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Request, Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# ~~1007766~~ 1005352 Sample # ~~4862542-904~~ 4863265-67

COC # 0124291

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

(1)

Client: RMT Inc. Acct. #:

Project Name/#: L.E. Carpenter PWSID #:

Project Manager: N. Clevett P.O.#: 6527.18

Sampler: E.V. / S.P. Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable Check ☐ NPDES Applicable)	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Total P as P	Sulfate Nitrate	TDS, TSS, Sulfate	Pb (Dissolved) Field Filtered	Ammonia Nitrogen	HPC	Nitrite Volatile Headspace Hydro carbon	Remarks
SW-R-4	9/11/06	1715	X			X		5	X	X								
SW-R-5	9/11/06	1945	X			X		5	X	X								
SW-R-6	9/11/06	1735	X			X		5	X	X								
DUP-03	9/11/06	—	X			X		5	X	X								
TB-01	—	—				X		1	X									
MW-27S	9/11/06	1945	X			X		9	X	X		X					X	
MW-27S	9/12/06	0800	X			X		2			X				X			
MW-19-12	9/12/06	1002	X			X		15	X	X	X	X	X	X	X	X	X	
ATM-01	9/12/06	1015	X			X		15	X	X	X	X	X	X	X	X	X	Total Pb
MW-27S	9/12/06	1320	X			X		2						X		X		

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

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
E. Vail			P. Lefever	9/12/06	1352
P. Lefever	9/12/06	1745			
			David Splain	9/12/06	1745

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.
2102.02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005480. Samples arrived at the laboratory on Wednesday, September 13, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
MW-19-5 Grab Water Sample	4863816
MW-19 Grab Water Sample	4863817
MW-25(R) Grab Water Sample	4863818
MW-28I Grab Water Sample	4863819
MW-28S Grab Water Sample	4863820
DUP-02 Grab Water Sample	4863821
TB-03 Water Sample	4863822

METHODOLOGY

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Respectfully Submitted,

Earl R Custer

Earl R. Custer
Group Leader

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863816

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

Collected:09/13/2006 09:10 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

19--5 SDG#: LEC61-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	30.	1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
	The plating was performed by Jeff Groff on 091306 at 1945.					
	Spreader-type colony growth was present on one or both of the plates used in the enumeration of this sample which may have impacted the sample count.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	275.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.12	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	10.2	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	700.	20.	ug/l	10
07107	Ethane	74-84-0	N.D.	10.	ug/l	10
07108	Ethene	74-85-1	N.D.	10.	ug/l	10
07109	Propane	74-98-6	N.D.	10.	ug/l	10
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	2,800.	60.	ug/l	100
07029	Benzene	71-43-2	N.D.	20.	ug/l	100
07030	Toluene	108-88-3	25,000.	20.	ug/l	100
07031	Ethylbenzene	100-41-4	550.	20.	ug/l	100
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

Lancaster Laboratories, Inc.
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863816

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

Collected:09/13/2006 09:10 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

19--5 SDG#: LEC61-02

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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:45	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:04	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/22/2006 02:29	Brian C Veety	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:37	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/19/2006 23:18	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 16:14	Hai D Nguyen	10
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 23:02	Steven A Skiles	100
00553	Base Neutrals	EPA 625	1	09/21/2006 18:27	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863817

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

Collected:09/13/2006 10:40 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

-19-- SDG#: LEC61-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	60.		1.	cfu/ml	n.a.
	The plating was performed by Jeff Groff on 091306 at 1945.						
00206	Total Suspended Solids	n.a.	12.8		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	435.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.029	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.43	J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	mg/l	1
00228	Sulfate	14808-79-8	5.3		1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	310.		10.	ug/l	5
07107	Ethane	74-84-0	7.5	J	5.0	ug/l	5
07108	Ethene	74-85-1	5.7	J	5.0	ug/l	5
07109	Propane	74-98-6	N.D.		5.0	ug/l	5
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	11,000.		120.	ug/l	200
07029	Benzene	71-43-2	N.D.		40.	ug/l	200
07030	Toluene	108-88-3	51,000.		40.	ug/l	200
07031	Ethylbenzene	100-41-4	2,100.		40.	ug/l	200
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863817

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

Collected:09/13/2006 10:40 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

-19-- SDG#: LEC61-03

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:50	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:05	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:26	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:38	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/19/2006 23:34	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 16:30	Hai D Nguyen	5
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 23:34	Steven A Skiles	200
00553	Base Neutrals	EPA 625	1	09/21/2006 19:24	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863818

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

Collected:09/13/2006 11:27 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

25R-- SDG#: LEC61-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Jeff Groff on 091306 at 1945.						
	Spreader-type colony growth was present on one or both of the plates used in the enumeration of this sample which may have impacted the sample count.						
00206	Total Suspended Solids	n.a.	279.		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	329.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.24	J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.14		0.080	mg/l	1
00228	Sulfate	14808-79-8	3.3	J	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	30.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
	The continuing calibration standard (CCV) injected before this sample is above QC limits for ethene and propene (surrogate). The sample was reinjected with compliant CCVs. The data from the reinjection is comparable to the reported data.						
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.5	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1.	J	1.	ug/l	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863818

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

Collected:09/13/2006 11:27 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

25R-- SDG#: LEC61-04

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

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:54	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:06	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:27	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:39	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/19/2006 23:49	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 22:27	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 00:07	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 20:22	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
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PO Box 12425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863819

MW-28I Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 13:12 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

28I-- SDG#: LEC61-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Jeff Groff on 091306 at 1945.						
00206	Total Suspended Solids	n.a.	42.8		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	338.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.018	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.19		0.080	mg/l	1
00228	Sulfate	14808-79-8	3.5	J	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	1,500.		200.	ug/l	100
07107	Ethane	74-84-0	N.D.		100.	ug/l	100
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	520.		3.0	ug/l	5
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.6	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	72.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	180.		5.	ug/l	5

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

Lancaster Laboratories, Inc.
2425 New Holland Pike
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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863819

MW-28I Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 13:12 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

28I-- SDG#: LEC61-05

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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:59	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:08	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:28	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:42	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 00:04	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 16:15	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 12:30	Hai D Nguyen	100
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 00:39	Steven A Skiles	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 14:57	Steven A Skiles	5
00553	Base Neutrals	EPA 625	1	09/22/2006 03:58	Barton C Conner	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863820

MW-28S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 13:15 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

28S-- SDG#: LEC61-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	1,300.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Jeff Groff on 091306 at 1945.						
00206	Total Suspended Solids	n.a.	22.4		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	460.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.037	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.26	J	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.37		0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.		1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	3,200.		400.	ug/l	200
07107	Ethane	74-84-0	N.D.		200.	ug/l	200
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	450.		3.0	ug/l	5
07029	Benzene	71-43-2	0.2	J	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	210.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	570.		10.	ug/l	10

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863820

MW-28S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 13:15 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

28S-- SDG#: LEC61-06

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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:04	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:09	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:30	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:44	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 00:50	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 12:43	Hai D Nguyen	200
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 15:10	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 01:12	Steven A Skiles	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 15:29	Steven A Skiles	5
00553	Base Neutrals	EPA 625	1	09/22/2006 04:56	Barton C Conner	10
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863821

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

Collected:09/13/2006 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

FDUP2 SDG#: LEC61-07FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	1,500.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Jeff Groff on 091306 at 1945.						
00206	Total Suspended Solids	n.a.	21.6		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	468.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.034	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.37		0.080	mg/l	1
00228	Sulfate	14808-79-8	1.7	J	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	3,100.		400.	ug/l	200
07107	Ethane	74-84-0	N.D.		200.	ug/l	200
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	470.		3.0	ug/l	5
07029	Benzene	71-43-2	0.3	J	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	220.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	550.		10.	ug/l	10

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863821

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

Collected:09/13/2006 by SP

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

FDUP2 SDG#: LEC61-07FD

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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:18	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 17:50	Jeffrey B Groff	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:10	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:31	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:45	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 01:06	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 16:54	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 12:56	Hai D Nguyen	200
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 01:45	Steven A Skiles	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 16:02	Steven A Skiles	5
00553	Base Neutrals	EPA 625	1	09/22/2006 05:54	Barton C Conner	10
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863822

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

Collected: n.a.

Account Number: 09322

Submitted: 09/13/2006 18:30
Reported: 09/28/2006 at 10:42
Discard: 10/29/2006

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

TBLK3 SDG#: LEC61-08TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 17:35	Steven A Skiles	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005480
Reported: 09/28/06 at 10:42 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06257105101A	Sample number(s): 4863816-4863821							
Nitrite Nitrogen	N.D.	0.015	mg/l	96		90-110		
Batch number: 06257WAC625	Sample number(s): 4863816-4863821							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93		68-111		
Batch number: 062580012A	Sample number(s): 4863816-4863818							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Propane	N.D.	1.0	ug/l	103		73-125		
Batch number: 06258021202A	Sample number(s): 4863816-4863821							
Total Dissolved Solids	10.0 J	9.7	mg/l	105		80-120		
Batch number: 06258109101B	Sample number(s): 4863816-4863821							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	96		90-110		
Batch number: 062610013A	Sample number(s): 4863819-4863821							
Methane	N.D.	2.0	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	97		80-120		
Ethene	N.D.	1.0	ug/l	98		80-120		
Propane	N.D.	1.0	ug/l	97		73-125		
Batch number: 06261020601A	Sample number(s): 4863816-4863821							
Total Suspended Solids	N.D.	3.0	mg/l	93		56-128		
Batch number: 062611848001	Sample number(s): 4863816-4863821							
Lead	N.D.	0.0069	mg/l	108		90-113		
Batch number: 06262022101A	Sample number(s): 4863816-4863821							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1
Batch number: 06262106103A	Sample number(s): 4863816-4863818							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		
Batch number: 06262106103B	Sample number(s): 4863819-4863821							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		
Batch number: 06262196101B	Sample number(s): 4863816-4863821							
Sulfate	N.D.	0.30	mg/l	97		89-110		
Batch number: 06262A15A	Sample number(s): 4863816-4863822							
Total Xylenes	N.D.	0.6	ug/l	111	107	82-120	4	30
Benzene	N.D.	0.2	ug/l	111	109	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	107	82-119	4	30

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005480
Reported: 09/28/06 at 10:42 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethylbenzene	N.D.	0.2	ug/l	110	107	81-119	3	30
Batch number: 06262A15B	Sample number(s): 4863819-4863821							
Total Xylenes	N.D.	0.6	ug/l	111	107	82-120	4	30

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06257105101A	Sample number(s): 4863816-4863821 UNSPK: P863828 BKG: P863828								
Nitrite Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Batch number: 06257WAC625	Sample number(s): 4863816-4863821 UNSPK: P862889								
bis(2-Ethylhexyl)phthalate	87	92	77-106	5	30				
Batch number: 062580012A	Sample number(s): 4863816-4863818 UNSPK: P862889								
Methane	83	80	63-124	2	20				
Ethane	92	100	63-127	9	20				
Ethene	98	107	69-126	8	20				
Propane	90	103	56-136	14	20				
Batch number: 06258021202A	Sample number(s): 4863816-4863821 UNSPK: P865109 BKG: P865109								
Total Dissolved Solids	93	108	60-140	4	5	481.	1,150.	82*	5
Batch number: 06258109101B	Sample number(s): 4863816-4863821 UNSPK: P863480 BKG: P863480								
Total Phosphorus as P (water)	108		90-110			0.60	0.59	2	3
Batch number: 062610013A	Sample number(s): 4863819-4863821 UNSPK: P863584								
Methane	82	87	63-124	6	20				
Ethane	83	88	63-127	6	20				
Ethene	87	90	69-126	4	20				
Propane	87	90	56-136	4	20				
Batch number: 06261020601A	Sample number(s): 4863816-4863821 BKG: P864210								
Total Suspended Solids						1,360.	1,420.	4 (1)	20
Batch number: 062611848001	Sample number(s): 4863816-4863821 UNSPK: P866465 BKG: P866465								
Lead	105	110	75-125	4	20	N.D.	N.D.	20 (1)	20
Batch number: 06262022101A	Sample number(s): 4863816-4863821 BKG: P864872								
Ammonia Nitrogen						25.4	25.7	1	2
Batch number: 06262106103A	Sample number(s): 4863816-4863818 UNSPK: P862889 BKG: P862889								
Nitrate Nitrogen	114*		90-110			0.36	0.35	4* (1)	2
Batch number: 06262106103B	Sample number(s): 4863819-4863821 UNSPK: 4863819 BKG: 4863819								
Nitrate Nitrogen	101		90-110			N.D.	N.D.	0 (1)	2
Batch number: 06262196101B	Sample number(s): 4863816-4863821 UNSPK: P863787 BKG: P863787								

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

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Lancaster, PA 17605-2425
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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005480
Reported: 09/28/06 at 10:42 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Sulfate	98		90-110			1.5 J	N.D.	200* (1)	3

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Base Neutrals
Batch number: 06257WAC625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4863816	92	95	93
4863817	88	89	76
4863818	94	94	90
4863819	95	83	78
4863820	88	88	83
4863821	88	90	87
Blank	93	82	90
LCS	99	98	88
MS	99	92	64
MSD	100	96	68
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062580012A

	Propene
4863816	97
4863817	89
4863818	75
Blank	102
LCS	98
MS	79
MSD	88
Limits:	38-129

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062610013A

	Propene
4863819	66
4863820	56
4863821	49
Blank	84
LCS	84
MS	65
MSD	69

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

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Quality Control Summary

Client Name: RMT, Inc.
Reported: 09/28/06 at 10:42 AM

Group Number: 1005480

Surrogate Quality Control

Limits: 38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06262A15A

	Trifluorotoluene-P
4863816	98
4863817	97
4863818	99
4863819	96
4863820	95
4863821	94
4863822	99
Blank	100
LCS	98
LCSD	99
Limits:	69-129

Analysis Name: BTEX (EPA 602)
Batch number: 06262A15B

	Trifluorotoluene-P
4863819	96
4863820	95
4863821	94
Blank	100
LCS	98
LCSD	99
Limits:	69-129

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

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Analysis Reque[illegible] Environmental Services Chain of C[illegible]tody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1005480 Sample # 4863816-22

COC # 0124279

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

(1)

Client: RMT Inc Acct. #:

Project Name/#: L.E. Carpenter PWSID #:

Project Manager: N. Clevett P.O.#: 6527.18

Sampler: SP/EV Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #: 29199

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

								Total P	Sulfate, TDS, TSS	Diss. Pb	Ammonia Nitrogen	HPC	Base Neutrals	Nitrate Nitrogen	Nitrite Nitrogen	BTEX (EPA 602) Volatile Hydrocarbon Headspace	Remarks
MW-19-5	9/13/06	0910	X			X	15	X	X	X	X	X	X	X	X	X	
MW-19	9/13/06	1040	X			X	15	X	X	X	X	X	X	X	X	X	0.5-1.6°C
MW-25(R)	9/13/06	1127	X			X	15	X	X	X	X	X	X	X	X	X	
MW-28I	9/13/06	1312	X			X	15	X	X	X	X	X	X	X	X	X	
MW-28S	9/13/06	1315	X			X	15	X	X	X	X	X	X	X	X	X	
DUP-02	9/13/06	—	X			X	15	X	X	X	X	X	X	X	X	X	
TB-03						X	2									X	

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

(8) **Data Package Options** (please circle if required)

QC Summary	Type VI (Raw Data)	SDG Complete? Yes No
Type I (Tier I)	GLP	Site-specific QC required? Yes No
Type II (Tier II)	Other	(If yes, indicate QC sample and submit triplicate volume.)
Type III (NJ Red. Del.)		Internal Chain of Custody required? Yes No
Type IV (CLP)		

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage					
[illegible]	9/13/06	1440	Robert Stem	9/13/06	14:40
Robert Stem	9/13/06				

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.02

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005720. Samples arrived at the laboratory on Thursday, September 14, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
MW-30D Grab Water Sample	4865037
MW-29S Grab Water Sample	4865038
MW-19-12 Grab Water Sample	4865039
ATM-01 Blank Water Sample	4865040
RB-01 Grab Water Sample	4865041
RB-02 Grab Water Sample	4865042
TB-05 Water Sample	4865043

METHODOLOGY

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

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

Respectfully Submitted,

Marlaina E. Raines
Microbiologist

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865037

MW-30D Grab Water Sample
L.E. Carpenter, NJ

Collected:09/14/2006 10:49 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

MW30D SDG#: LEC61-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Marlaina Raines on 091506 at 0915.						
00206	Total Suspended Solids	n.a.	6.4	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	288.		9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.043	J	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	mg/l	1
00228	Sulfate	14808-79-8	10.6		1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	5.3		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	9.	J	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865037

MW-30D Grab Water Sample
L.E. Carpenter, NJ

Collected:09/14/2006 10:49 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

MW30D SDG#: LEC61-13

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:33	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/19/2006 07:32	Christopher M Cunningham	1
00212	Total Dissolved Solids	EPA 160.1	1	09/19/2006 08:28	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/15/2006 12:15	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 20:35	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/20/2006 16:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 18:06	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 18:09	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 18:00	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 23:34	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/26/2006 04:14	Timothy J Trees	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 09:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865038

MW-29S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/14/2006 11:45 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

MW29S SDG#: LEC61-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.		1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.						
	The plating was performed by Marlaina Raines on 091506 at 0915.						
	Spreader-type colony growth was present on one or both of the plates used in the enumeration of this sample which may have impacted the sample count.						
00206	Total Suspended Solids	n.a.	54.0		3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	546.		19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.023	J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	9.9		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.32		0.080	mg/l	1
00228	Sulfate	14808-79-8	1.9	J	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	5,000.		500.	ug/l	250
07107	Ethane	74-84-0	N.D.		250.	ug/l	250
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1.	J	1.	ug/l	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865038

MW-29S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/14/2006 11:45 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

MW29S SDG#: LEC61-14

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

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:38	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/19/2006 07:32	Christopher M Cunningham	1
00212	Total Dissolved Solids	EPA 160.1	1	09/19/2006 08:28	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/15/2006 12:17	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 20:36	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/20/2006 16:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 18:10	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 18:25	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 18:13	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 13:50	Hai D Nguyen	250
08238	BTEX (EPA 602)	EPA 602	1	09/21/2006 00:06	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/26/2006 05:07	Timothy J Trees	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 09:20	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865039

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

Collected:09/14/2006 12:40 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

RMT, Inc.
PO Box 8923
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-1912 SDG#: LEC61-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	170.	1.	cfu/ml	n.a.

The plating was performed by Marlaina Raines on 091506 at 0915.

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865040

ATM-01 Blank Water Sample
L.E. Carpenter, NJ

Collected:09/14/2006 12:45 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

ATM01 SDG#: LEC61-16AB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00307	Heterotrophic Plate Count	n.a.	N.D.	1.	cfu/ml	n.a.

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.

The plating was performed by Marlaina Raines on 091506 at 0925.

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.

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Lancaster Laboratories Sample No. WW 4865041

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

Collected:09/14/2006 13:30 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

RMT, Inc.
PO Box 8923
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RB-01 SDG#: LEC61-17RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	45.	1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091506 at 0925.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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Laboratory Chronicle

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865041

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

Collected:09/14/2006 13:30 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

RMT, Inc.
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RB-01 SDG#: LEC61-17RB

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:43	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/19/2006 07:32	Christopher M Cunningham	1
00212	Total Dissolved Solids	EPA 160.1	1	09/19/2006 08:28	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/15/2006 12:18	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 20:40	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/20/2006 16:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 18:07	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 18:40	Ashley M Heckman	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 18:26	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 18:40	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/26/2006 06:00	Timothy J Trees	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 09:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865042

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

Collected:09/14/2006 13:25 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

RMT, Inc.
PO Box 8923
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RB-02 SDG#: LEC61-18RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	84.	1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091506 at 0925.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865042

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

Collected:09/14/2006 13:25 by EV

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

RMT, Inc.
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RB-02 SDG#: LEC61-18RB

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:48	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/18/2006 08:10	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/19/2006 07:32	Christopher M Cunningham	1
00212	Total Dissolved Solids	EPA 160.1	1	09/19/2006 08:28	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/15/2006 12:19	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 20:41	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/20/2006 16:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 18:14	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 18:55	Ashley M Heckman	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 18:40	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 19:13	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/26/2006 08:39	Timothy J Trees	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 09:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4865043

TB-05 Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 09/14/2006 17:30
Reported: 09/27/2006 at 11:18
Discard: 10/28/2006

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

TB-05 SDG#: LEC61-19TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 18:08	Steven A Skiles	1

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005720
Reported: 09/27/06 at 11:18 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06258105101A	Sample number(s): 4865037-4865038,4865041-4865042							
Nitrite Nitrogen	N.D.	0.015	mg/l	91		90-110		
Batch number: 06258109102A	Sample number(s): 4865037,4865041							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	99		90-110		
Batch number: 06258109102B	Sample number(s): 4865038,4865042							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	99		90-110		
Batch number: 06258WAB625	Sample number(s): 4865037-4865038,4865041-4865042							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	94	89	68-111	5	30
Batch number: 062610013A	Sample number(s): 4865037-4865038,4865041-4865042							
Methane	N.D.	2.0	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	97		80-120		
Ethene	N.D.	1.0	ug/l	98		80-120		
Propane	N.D.	1.0	ug/l	97		73-125		
Batch number: 062611848001	Sample number(s): 4865037-4865038,4865041-4865042							
Lead	N.D.	0.0069	mg/l	108		90-113		
Batch number: 06262020601B	Sample number(s): 4865037-4865038,4865041-4865042							
Total Suspended Solids	N.D.	3.0	mg/l	74		56-128		
Batch number: 06262021201A	Sample number(s): 4865037-4865038,4865041-4865042							
Total Dissolved Solids	N.D.	9.7	mg/l	106		80-120		
Batch number: 06262106102A	Sample number(s): 4865037-4865038							
Nitrate Nitrogen	N.D.	0.040	mg/l	107		89-110		
Batch number: 06262106102B	Sample number(s): 4865041-4865042							
Nitrate Nitrogen	N.D.	0.040	mg/l	107		89-110		
Batch number: 06262A15A	Sample number(s): 4865041-4865043							
Total Xylenes	N.D.	0.6	ug/l	111	107	82-120	4	30
Benzene	N.D.	0.2	ug/l	111	109	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	107	82-119	4	30
Ethylbenzene	N.D.	0.2	ug/l	110	107	81-119	3	30
Batch number: 06263022101A	Sample number(s): 4865037-4865038,4865041-4865042							
Ammonia Nitrogen	N.D.	0.20	mg/l	95	96	91-100	1	1
Batch number: 06263196101A	Sample number(s): 4865037-4865038							
Sulfate	N.D.	0.30	mg/l	95		89-110		
Batch number: 06263196101B	Sample number(s): 4865041-4865042							

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005720
Reported: 09/27/06 at 11:18 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	N.D.	0.30	mg/l	95		89-110		
Batch number: 06263A15A	Sample number(s): 4865037-4865038							
Total Xylenes	N.D.	0.6	ug/l	108	110	82-120	2	30
Benzene	N.D.	0.2	ug/l	108	110	86-119	2	30
Toluene	N.D.	0.2	ug/l	108	110	82-119	2	30
Ethylbenzene	N.D.	0.2	ug/l	109	110	81-119	1	30

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06258105101A	Sample number(s): 4865037-4865038,4865041-4865042 UNSPK: P864862 BKG: P864862								
Nitrite Nitrogen	108		90-110			0.036 J	0.036 J	2 (1)	20
Batch number: 06258109102A	Sample number(s): 4865037,4865041 UNSPK: P864049 BKG: P864049								
Total Phosphorus as P (water)	102		90-110			N.D.	N.D.	0 (1)	3
Batch number: 06258109102B	Sample number(s): 4865038,4865042 UNSPK: 4865038 BKG: 4865038								
Total Phosphorus as P (water)	99		90-110			0.32	0.32	2 (1)	3
Batch number: 062610013A	Sample number(s): 4865037-4865038,4865041-4865042 UNSPK: P863584								
Methane	82	87	63-124	6	20				
Ethane	83	88	63-127	6	20				
Ethene	87	90	69-126	4	20				
Propane	87	90	56-136	4	20				
Batch number: 062611848001	Sample number(s): 4865037-4865038,4865041-4865042 UNSPK: P866465 BKG: P866465								
Lead	105	110	75-125	4	20	N.D.	N.D.	20 (1)	20
Batch number: 06262020601B	Sample number(s): 4865037-4865038,4865041-4865042 BKG: P865281								
Total Suspended Solids						364.	364.	0 (1)	20
Batch number: 06262021201A	Sample number(s): 4865037-4865038,4865041-4865042 UNSPK: P863829 BKG: P863832								
Total Dissolved Solids	106	102	60-140	2	5	512.	507.	1	5
Batch number: 06262106102A	Sample number(s): 4865037-4865038 UNSPK: 4865037 BKG: 4865037								
Nitrate Nitrogen	102		90-110			0.043 J	0.045 J	4* (1)	2
Batch number: 06262106102B	Sample number(s): 4865041-4865042 UNSPK: P865052 BKG: P865052								
Nitrate Nitrogen	103		90-110			1.5	1.6	4*	2
Batch number: 06263022101A	Sample number(s): 4865037-4865038,4865041-4865042 BKG: P868216								
Ammonia Nitrogen						5.8	6.0	4*	2
Batch number: 06263196101A	Sample number(s): 4865037-4865038 UNSPK: P868640 BKG: P868640								
Sulfate	94		90-110			4.7 J	4.6 J	4* (1)	3
Batch number: 06263196101B	Sample number(s): 4865041-4865042 UNSPK: P868845 BKG: P868845								

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005720
Reported: 09/27/06 at 11:18 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Sulfate	98		90-110			140.	133.	5*	3

Batch number: 06263A15A Sample number(s): 4865037-4865038 UNSPK: P868584

Total Xylenes	113	84-131
Benzene	114	78-131
Toluene	114	78-129
Ethylbenzene	113	75-133

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Base Neutrals
Batch number: 06258WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4865037	84	91	102
4865038	91	87	89
4865041	84	88	100
4865042	86	88	93
Blank	86	80	96
LCS	93	94	100
LCSD	87	90	96
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062610013A

	Propene
4865037	60
4865038	65
4865041	81
4865042	77
Blank	84
LCS	84
MS	65
MSD	69
Limits:	38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06262A15A

	Trifluorotoluene-P
4865041	100
4865042	100
4865043	100
Blank	100

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 09/27/06 at 11:18 AM

Group Number: 1005720

Surrogate Quality Control

LCS	98
LCSD	99
Limits:	69-129

Analysis Name: BTEX (EPA 602)
Batch number: 06263A15A
Trifluorotoluene-P

4865037	100
4865038	99
Blank	99
LCS	98
LCSD	99
MS	98
Limits:	69-129

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1005720 Sample # 4865037-43

COC # 0128566

#1325

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

For Lab Use Only
FSC:
SCR#: 30228

(1)
Client: RMT Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: EV/SP Quote #:
Name of state where samples were collected: NJ

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

Preservation Codes: S, –, N, S, O, O, S, –, H

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

Sample		Date	Time						Total P	Sulfate, TDS, TSS	Diss. Pb	Ammonia Nitrogen	HPC	Base Neutrals	Nitrate Nitrogen	Nitrite Nitrogen	BTEX (EPA 602) Volatile Headspace	Remarks
MW-30D	*	9/13/06	1049	X			X	15	X	X	X	X	X	X	X	X	X	1.2-2.1°C
MW-29S	*	9/13/06	1145	X			X	15	X	X	X	X	X	X	X	X	X	
MW-19-12	*	9/13/06	1240	X			X	1					X					
ATM-01	*	9/13/06	1245	X			X	1					X					
RB-01	*	9/13/06	1330	X			X	15	X	X	X	X	X	X	X	X	X	Total Lead
RB-02	*	9/13/06	1325	X			X	15	X	X	X	X	X	X	X	X	X	Total Lead
TB-05							X	1									X	
*all samples collected BW 9/21/06		9/14/06																

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage					
[signature]	9/14/06	13:25	[signature]	9/14/06	13:25
[signature]	9/14/06	17:30			
			[signature]	9/14/06	17:30

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

2102.03

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005502. Samples arrived at the laboratory on Thursday, September 14, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
MW-30S Grab Water Sample	4863912
MW-30I Grab Water Sample	4863913
RB-03 Grab Water Sample	4863914
TB-04 Water Sample	4863915

METHODOLOGY

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Respectfully Submitted,

Rachel R. Cochis

Rachel R. Cochis
Group Leader

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863912

MW-30S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 18:28 by EV

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

MW30S SDG#: LEC61-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.	1.	cfu/ml	n.a.
	This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.					
	The plating was performed by Marlaina Raines on 091406 at 1140.					
00206	Total Suspended Solids	n.a.	132.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	457.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.055	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.89	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.32	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	2,500.	400.	ug/l	200
07107	Ethane	74-84-0	N.D.	200.	ug/l	200
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.					
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	5,100.	12.	ug/l	20
07029	Benzene	71-43-2	N.D.	4.0	ug/l	20
07030	Toluene	108-88-3	46.	4.0	ug/l	20
07031	Ethylbenzene	100-41-4	1,200.	4.0	ug/l	20
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	19,000.	480.	ug/l	500

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

Lancaster Laboratories, Inc.
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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863912

MW-30S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 18:28 by EV

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

MW30S SDG#: LEC61-09

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

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:23	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/16/2006 12:45	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:41	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/22/2006 02:21	Brian C Veety	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:46	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 01:21	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 13:23	Hai D Nguyen	200
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 15:23	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 02:17	Steven A Skiles	20
00553	Base Neutrals	EPA 625	1	09/26/2006 06:53	Timothy J Trees	500
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863913

MW-30I Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 17:50 by EV

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

MW30I SDG#: LEC61-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	290.	1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091406 at 1140.					
00206	Total Suspended Solids	n.a.	41.6	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	414.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	0.033 J	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	0.83	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.23	0.080	mg/l	1
00228	Sulfate	14808-79-8	3.2 J	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	1,200.	200.	ug/l	100
07107	Ethane	74-84-0	N.D.	100.	ug/l	100
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
	Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethane. The presence or concentration of this compound cannot be determined due to the presence of this interferent.					
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	4.9	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	1.5	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	19.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863913

MW-30I Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 17:50 by EV

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

MW30I SDG#: LEC61-10

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 01:28	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/16/2006 12:45	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/18/2006 09:19	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	1	09/15/2006 13:00	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/14/2006 21:43	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:32	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/19/2006 15:45	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:47	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/20/2006 01:36	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 17:34	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/19/2006 13:36	Hai D Nguyen	100
08238	BTEX (EPA 602)	EPA 602	1	09/20/2006 02:50	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/25/2006 23:49	Timothy J Trees	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863914

RB-03 Grab Water Sample
L.E. Carpenter, NJ

Collected:09/13/2006 18:30 by EV

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

RB-03 SDG#: LEC61-11RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 17:03	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/26/2006 00:42	Timothy J Trees	1
08108	625 Water Extraction	EPA 625	1	09/15/2006 16:40	JoElla L Rice	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4863915

TB-04 Water Sample
L.E. Carpenter, NJ

Collected: n.a.

Account Number: 09322

Submitted: 09/14/2006 09:15
Reported: 09/26/2006 at 10:49
Discard: 10/27/2006

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

TB-04 SDG#: LEC61-12TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 16:30	Steven A Skiles	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005502
Reported: 09/26/06 at 10:49 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06257105102A	Sample number(s): 4863912-4863913							
Nitrite Nitrogen	N.D.	0.015	mg/l	95		90-110		
Batch number: 06258021202A	Sample number(s): 4863912-4863913							
Total Dissolved Solids	10.0 J	9.7	mg/l	105		80-120		
Batch number: 06258109101B	Sample number(s): 4863912-4863913							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	96		90-110		
Batch number: 06258WAB625	Sample number(s): 4863912-4863914							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	94	89	68-111	5	30
Batch number: 062610013A	Sample number(s): 4863912-4863913							
Methane	N.D.	2.0	ug/l	93		80-120		
Ethane	N.D.	1.0	ug/l	97		80-120		
Ethene	N.D.	1.0	ug/l	98		80-120		
Propane	N.D.	1.0	ug/l	97		73-125		
Batch number: 06261020601A	Sample number(s): 4863912-4863913							
Total Suspended Solids	N.D.	3.0	mg/l	93		56-128		
Batch number: 062611848001	Sample number(s): 4863912-4863913							
Lead	N.D.	0.0069	mg/l	108		90-113		
Batch number: 06262022101A	Sample number(s): 4863912-4863913							
Ammonia Nitrogen	N.D.	0.20	mg/l	96	95	91-100	1	1
Batch number: 06262106103B	Sample number(s): 4863913							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		
Batch number: 06262196101B	Sample number(s): 4863912-4863913							
Sulfate	N.D.	0.30	mg/l	97		89-110		
Batch number: 06262A15A	Sample number(s): 4863912-4863915							
Total Xylenes	N.D.	0.6	ug/l	111	107	82-120	4	30
Benzene	N.D.	0.2	ug/l	111	109	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	107	82-119	4	30
Ethylbenzene	N.D.	0.2	ug/l	110	107	81-119	3	30
Batch number: 06265106101B	Sample number(s): 4863912							
Nitrate Nitrogen	N.D.	0.040	mg/l	107		89-110		

Sample Matrix Quality Control

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005502
Reported: 09/26/06 at 10:49 AM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06257105102A	Sample number(s): 4863912-4863913 UNSPK: P864058 BKG: P864058								
Nitrite Nitrogen	98		90-110			0.22	0.22	0 (1)	20
Batch number: 06258021202A	Sample number(s): 4863912-4863913 UNSPK: P865109 BKG: P865109								
Total Dissolved Solids	93	108	60-140	4	5	481.	1,150.	82*	5
Batch number: 06258109101B	Sample number(s): 4863912-4863913 UNSPK: P863480 BKG: P863480								
Total Phosphorus as P (water)	108		90-110			0.60	0.59	2	3
Batch number: 062610013A	Sample number(s): 4863912-4863913 UNSPK: P863584								
Methane	82	87	63-124	6	20				
Ethane	83	88	63-127	6	20				
Ethene	87	90	69-126	4	20				
Propane	87	90	56-136	4	20				
Batch number: 06261020601A	Sample number(s): 4863912-4863913 BKG: P864210								
Total Suspended Solids						1,360.	1,420.	4 (1)	20
Batch number: 062611848001	Sample number(s): 4863912-4863913 UNSPK: P866465 BKG: P866465								
Lead	105	110	75-125	4	20	N.D.	N.D.	20 (1)	20
Batch number: 06262022101A	Sample number(s): 4863912-4863913 BKG: P864872								
Ammonia Nitrogen						25.4	25.7	1	2
Batch number: 06262106103B	Sample number(s): 4863913 UNSPK: P863819 BKG: P863819								
Nitrate Nitrogen	101		90-110			N.D.	N.D.	0 (1)	2
Batch number: 06262196101B	Sample number(s): 4863912-4863913 UNSPK: P863787 BKG: P863787								
Sulfate	98		90-110			1.5 J	N.D.	200* (1)	3
Batch number: 06265106101B	Sample number(s): 4863912 UNSPK: P871080 BKG: P871080								
Nitrate Nitrogen	101		90-110			0.049 J	N.D.	73* (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Base Neutrals
Batch number: 06258WAB625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4863912	60	87	87
4863913	83	87	91
4863914	86	93	105
Blank	86	80	96
LCS	93	94	100
LCSD	87	90	96
Limits:	48-117	60-114	43-136

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

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 09/26/06 at 10:49 AM

Group Number: 1005502

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062610013A

	Propene
4863912	49
4863913	68
Blank	84
LCS	84
MS	65
MSD	69
Limits:	38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06262A15A

	Trifluorotoluene-P
4863912	96
4863913	97
4863914	100
4863915	100
Blank	100
LCS	98
LCSD	99
Limits:	69-129

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 9322 Group# 1005502 Sample # 4863912-15

COC # 0131686

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

(1)
Client: RMT Inc Acct. #:
Project Name/#: LE Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: EV/SP Quote #:
Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR#: 33052

(2) (3) (4) (5) Analyses Requested

Sample Identification	Date Collected	Time Collected	Total P	Sulfate, TDS, TSS	Diss Pb	Ammonia Nitrogen	HPC	Base Neutrals	Nitrogen Nitrate	Nitrite Nitrogen	BTEX (EPA 602) Volatile Headspace Hyd	Remarks
Preservation Codes			S	1	N	S	O	D	S	—	H	
MW-30S	9/13/06	1828	x	x	x	x	x	x	x	x	x	
MW-30I	9/13/06	1750	x	x	x	x	x	x	x	x	x	
RB-03	9/13/06	1830	x					x			x	BTEX + Base Neutrals Only
TB-04											x	

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

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

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

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Brittle Storage					
Scott Lawler	9-13-06	2000	FEDEX		

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

102.03

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005278. Samples arrived at the laboratory on Wednesday, September 13, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
MW-19-6 Grab Water Sample	4862928
MW-19-7 Grab Water Sample	4862929
MW-27S Grab Water Sample	4862930
TB-02 Trip Blank Water Sample	4862931

METHODOLOGY

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Respectfully Submitted,

Melissa A McSermott
Senior Chemist

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862928

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

Collected:09/12/2006 14:55 by EV

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

MW196 SDG#: LEC60-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	75.		1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091306 at 12 noon.						
00206	Total Suspended Solids	n.a.	4.4	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	682.		19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.6		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.		0.080	mg/l	1
00228	Sulfate	14808-79-8	37.1		1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	32.		2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	0.9	J	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	1.0		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	0.3	J	0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862928

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

Collected:09/12/2006 14:55 by EV

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

MW196 SDG#: LEC60-01

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:30	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 12:20	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	1	09/14/2006 08:02	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 22:03	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:20	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:17	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/15/2006 18:20	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 17:35	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 09:50	Steven A Skiles	1
0553	Base Neutrals	EPA 625	1	09/21/2006 03:12	Barton C Conner	1
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
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Lancaster, PA 17605-2425
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862929

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

Collected:09/12/2006 16:50 by EV

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

MW197 SDG#: LEC60-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	79.		1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091306 at 1220.						
00206	Total Suspended Solids	n.a.	9.2	J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	799.		19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.1		0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.		0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	0.15		0.080	mg/l	1
00228	Sulfate	14808-79-8	15.1		1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	8,600.		200.	ug/l	100
07107	Ethane	74-84-0	7.1		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	440.		3.0	ug/l	5
07029	Benzene	71-43-2	4.9		0.2	ug/l	1
07030	Toluene	108-88-3	0.3	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	33.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.		1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862929

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

Collected:09/12/2006 16:50 by EV

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

MW197 SDG#: LEC60-02

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/19/2006 00:35	Suzette L Lehman	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 12:20	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	1	09/14/2006 08:02	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 22:04	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:24	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/15/2006 17:18	Venia B McFadden	1
00228	Sulfate	EPA 300.0	1	09/15/2006 18:35	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 17:52	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 13:17	Hai D Nguyen	100
08238	BTEX (EPA 602)	EPA 602	1	09/18/2006 21:16	Steven A Skiles	1
08238	BTEX (EPA 602)	EPA 602	1	09/19/2006 10:23	Steven A Skiles	5
00553	Base Neutrals	EPA 625	1	09/21/2006 04:06	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/18/2006 10:30	Megersa Deyessa	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/15/2006 07:45	Nancy J Shoop	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862930

MW-27S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006 17:50 by EV

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

M-27S SDG#: LEC60-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00206	Total Suspended Solids	n.a.	3,850.	50.0	mg/l	1
00212	Total Dissolved Solids	n.a.	798.	19.4	mg/l	1
00228	Sulfate	14808-79-8	108.	3.0	mg/l	10

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	1	09/14/2006 08:02	Yolunder Y Bunch	1
00228	Sulfate	EPA 300.0	1	09/19/2006 17:56	Ashley M Heckman	10

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862931

TB-02 Trip Blank Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006

Account Number: 09322

Submitted: 09/13/2006 09:25
Reported: 09/25/2006 at 14:35
Discard: 10/26/2006

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

196T2 SDG#: LEC60-04TB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	0.2	J	0.2	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/18/2006 18:33	Steven A Skiles	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005278
Reported: 09/25/06 at 02:35 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06256105102B	Sample number(s): 4862928-4862929							
Nitrite Nitrogen	N.D.	0.015	mg/l	100		90-110		
Batch number: 06256WAC625	Sample number(s): 4862928-4862929							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	99		68-111		
Batch number: 06257020601A	Sample number(s): 4862928-4862930							
Total Suspended Solids	N.D.	3.0	mg/l	80		56-128		
Batch number: 06257021201A	Sample number(s): 4862928-4862930							
Total Dissolved Solids	N.D.	9.7	mg/l	102		80-120		
Batch number: 062580012A	Sample number(s): 4862928-4862929							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Propane	N.D.	1.0	ug/l	103		73-125		
Batch number: 06258109101A	Sample number(s): 4862928-4862929							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	96		90-110		
Batch number: 06258196101B	Sample number(s): 4862928-4862930							
Sulfate	N.D.	0.30	mg/l	100		89-110		
Batch number: 06261022101A	Sample number(s): 4862928-4862929							
Ammonia Nitrogen	N.D.	0.20	mg/l	95		91-100		
Batch number: 062611848001	Sample number(s): 4862928-4862929							
Lead	N.D.	0.0069	mg/l	108		90-113		
Batch number: 06261A15A	Sample number(s): 4862929,4862931							
Total Xylenes	N.D.	0.6	ug/l	111	108	82-120	3	30
Benzene	N.D.	0.2	ug/l	114	111	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	109	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	112	108	81-119	3	30
Batch number: 06261A15B	Sample number(s): 4862928-4862929							
Total Xylenes	N.D.	0.6	ug/l	111	108	82-120	3	30
Benzene	N.D.	0.2	ug/l	114	111	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	109	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	112	108	81-119	3	30
Batch number: 06262106103A	Sample number(s): 4862928-4862929							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		

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

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005278
Reported: 09/25/06 at 02:35 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06256105102B	Sample number(s): 4862928-4862929 UNSPK: 4862929 BKG: 4862929								
Nitrite Nitrogen	100		90-110			N.D.	N.D.	20 (1)	20
Batch number: 06256WAC625	Sample number(s): 4862928-4862929 UNSPK: P862898								
bis(2-Ethylhexyl)phthalate	95	97	77-106	3	30				
Batch number: 06257020601A	Sample number(s): 4862928-4862930 BKG: P862975								
Total Suspended Solids						6,050.	6,200.	2 (1)	20
Batch number: 06257021201A	Sample number(s): 4862928-4862930 UNSPK: P860241 BKG: P860241								
Total Dissolved Solids	95	97	60-140	1	5	392.	387.	1	5
Batch number: 062580012A	Sample number(s): 4862928-4862929 UNSPK: P862889								
Methane	83	80	63-124	2	20				
Ethane	93	93	63-127	0	20				
Ethene	100	97	69-126	3	20				
Propane	93	93	56-136	0	20				
Batch number: 06258109101A	Sample number(s): 4862928-4862929 UNSPK: 4862928 BKG: 4862928								
Total Phosphorus as P (water)	101		90-110			N.D.	N.D.	0 (1)	3
Batch number: 06258196101B	Sample number(s): 4862928-4862930 UNSPK: P862889 BKG: P862889								
Sulfate	109		90-110			22.9	28.4	22* (1)	3
Batch number: 06261022101A	Sample number(s): 4862928-4862929 UNSPK: P862889 BKG: P862889								
Ammonia Nitrogen	96	96	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 062611848001	Sample number(s): 4862928-4862929 UNSPK: P866465 BKG: P866465								
Lead	105	110	75-125	4	20	N.D.	N.D.	20 (1)	20
Batch number: 06261A15A	Sample number(s): 4862929,4862931 UNSPK: P862898								
Total Xylenes	104	95	84-131	10	30				
Benzene	107	96	78-131	11	30				
Toluene	105	95	78-129	10	30				
Ethylbenzene	106	95	75-133	10	30				
Batch number: 06261A15B	Sample number(s): 4862928-4862929 UNSPK: P862898								
Total Xylenes	104	95	84-131	10	30				
Benzene	107	96	78-131	11	30				
Toluene	105	95	78-129	10	30				
Ethylbenzene	106	95	75-133	10	30				
Batch number: 06262106103A	Sample number(s): 4862928-4862929 UNSPK: P862889 BKG: P862889								
Nitrate Nitrogen	114*		90-110			0.36	0.35	4* (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

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

Lancaster Laboratories, Inc.
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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 09/25/06 at 02:35 PM

Group Number: 1005278

Surrogate Quality Control

Analysis Name: Base Neutrals
Batch number: 06256WAC625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4862928	89	90	78
4862929	95	85	65
Blank	88	81	96
LCS	93	91	102
MS	91	92	89
MSD	95	94	89
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062580012A

	Propene
4862928	89
4862929	74
Blank	102
LCS	98
MS	91
MSD	85
Limits:	38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06261A15A

	Trifluorotoluene-P
4862929	94
4862931	99
Blank	101
LCS	99
LCSD	100
MS	99
MSD	99
Limits:	69-129

Analysis Name: BTEX (EPA 602)
Batch number: 06261A15B

	Trifluorotoluene-P
4862928	101
4862929	99
Blank	100
LCS	99
LCSD	100
MS	99
MSD	99
Limits:	69-129

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc.
Reported: 09/25/06 at 02:35 PM

Group Number: 1005278

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1005278 Sample # 4862928-31

COC # 0132223

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

For Lab Use Only
FSC:
SCR#:

(1)
Client: RMT Inc Acct. #:
Project Name/#: L.E. Carpenter PWSID #:
Project Manager: N. Clevett P.O.#: 6527.18
Sampler: EV/SP Quote #:
Name of state where samples were collected: NJ

(2) (3) (4) (5) Analyses Requested

Preservation Codes

Sample Identification	Date Collected	Time Collected	Gas	Grab	Soil	Water	Other	Total # of Containers	Total P (5)	Sulfate, TDS, TSS (—)	Diss. Pb (N)	Ammonia Nitrogen (5)	HPC (O)	Base Neutrals (O)	Nitrate Nitrogen (5)	Nitrite Nitrogen (—)	BTEX (EPA 602) Volatile Headspace Hy (H)	Remarks
MW-19-6	9/12/06	1455	X			X		15	X	X	X	X	X	X	X	X	X	
MW-19-7	9/12/06	1650	X			X		15	X	X	X	X	X	X	X	X	X	
MW-27S	9/12/06	1750	X			X		2		X								
TB-02	9/12/06	—	—			X		1									X	

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

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

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

SDG Complete? Yes No

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

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/12/06	1900	FedEx		
			[signature]	9/13/06	0925

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

02.03

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

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

608-831-4444

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1005266. Samples arrived at the laboratory on Tuesday, September 12, 2006. The PO# for this group is 6527.18.

Client Description	Lancaster Labs Number
SW-R-4 Grab Water Sample	4862882
SW-R-5 Grab Water Sample	4862883
SW-R-6 Grab Water Sample	4862884
DUP-03 Grab Water Sample	4862885
TB-01 Water Sample	4862886
MW-27S Grab Water Sample	4862887
MW-27S Grab Water Sample	4862888
MW-19-12 Unspiked Grab Water Sample	4862889
ATM-01 Blank Water Sample	4862890
MW-27S Grab Water Sample	4862891
SW-D-5 Grab Water Sample	4862892
SW-D-4 Grab Water Sample	4862893
SW-D-3 Grab Water Sample	4862894
SW-D-2 Grab Water Sample	4862895
SW-D-1 Grab Water Sample	4862896
DRC-2 Grab Water Sample	4862897
SW-R-1 Unspiked Grab Water Sample	4862898
SW-R-1 Matrix Spike Grab Water Sample	4862899
SW-R-1 Matrix Spik Dup. Grab Water Sample	4862900
SW-R-2 Grab Water Sample	4862901
SW-R-3 Grab Water Sample	4862902
MW-19-4 Grab Water Sample	4862903
DUP-01 Grab Water Sample	4862904

METHODOLOGY

Lancaster Laboratories

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

1 COPY TO	RMT, Inc.	Attn: Nicholas J. Clevett
1 COPY TO	Data Package Group	

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

Respectfully Submitted,

Earl R Custer

Earl R. Custer
Group Leader

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862882

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

Collected:09/11/2006 17:15 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

S2-R4 SDG#: LEC59-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 21:00	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 06:15	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862883

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

Collected:09/11/2006 19:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

SW-R5 SDG#: LEC59-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 21:33	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 13:03	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862884

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

Collected:09/11/2006 17:35 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

SW-R6 SDG#: LEC59-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 22:06	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 13:57	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862885

DUP-03 Grab Water Sample
L.E. Carpenter, NJ

Collected:09/11/2006 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

DUP03 SDG#: LEC59-04FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	3.	J	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 22:38	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 14:52	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862886

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

Collected: n.a.

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

TB01- SDG#: LEC59-05TB

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	0.2	J	0.2	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 20:28	Steven A Skiles	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862887

MW-27S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/11/2006 19:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

MW27S SDG#: LEC59-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.		0.040	mg/l	1
07105	Volatile Headspace Hydrocarbon						
07106	Methane	74-82-8	3.7	J	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.		1.0	ug/l	1
07108	Ethene	74-85-1	N.D.		1.0	ug/l	1
07109	Propane	74-98-6	N.D.		1.0	ug/l	1
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 11:25	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:11	Courtney A Shoff	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/14/2006 22:59	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 23:11	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 15:46	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

Lancaster Laboratories, Inc.
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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862887

MW-27S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/11/2006 19:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

RMT, Inc.
PO Box 8923
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MW27S SDG#: LEC59-06

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862888

MW-27S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006 08:00 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

--27S SDG#: LEC59-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	1.4	0.40	mg/l	5

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	2	09/21/2006 19:37	Courtney A Shoff	5
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/13/2006 10:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862889

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

Collected:09/12/2006 10:02 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

19-12 SDG#: LEC59-08BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00206	Total Suspended Solids	n.a.	6.4 J	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	822.	38.8	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.36	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	22.9	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	170.	10.	ug/l	5
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

No heterotrophic plate count was performed on this sample as it was past the recommended 24-hour hold when it was made available to the laboratory. The client will resubmit the sample.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862889

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

Collected:09/12/2006 10:02 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

19-12 SDG#: LEC59-08BKG

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 19:19	John P Hook	1
00206	Total Suspended Solids	EPA 160.2	2	09/15/2006 08:56	Susan E Hibner	1
00212	Total Dissolved Solids	EPA 160.1	2	09/18/2006 09:18	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 11:26	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:12	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/13/2006 19:01	Courtney A Shoff	1
00228	Sulfate	EPA 300.0	1	09/15/2006 16:02	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 15:51	Hai D Nguyen	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/18/2006 13:01	Hai D Nguyen	5
08238	BTEX (EPA 602)	EPA 602	1	09/15/2006 23:43	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 05:00	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	2	09/14/2006 17:00	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/13/2006 10:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862890

ATM-01 Blank Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006 10:15 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

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

ATM-1 SDG#: LEC59-09AB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	N.D.	9.7	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	N.D.	0.040	mg/l	1
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	N.D.	0.30	mg/l	1
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

No heterotrophic plate count was performed on this sample as it was past the recommended 24-hour hold when it was made available to the laboratory. The client will resubmit the sample.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862890

ATM-01 Blank Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006 10:15 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:41
Discard: 10/25/2006

RMT, Inc.
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ATM-1 SDG#: LEC59-09AB

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 19:53	John P Hook	1
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	2	09/19/2006 11:03	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 11:28	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/19/2006 21:14	Courtney A Shoff	1
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/13/2006 19:04	Courtney A Shoff	1
00228	Sulfate	EPA 300.0	1	09/15/2006 16:48	Ashley M Heckman	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 16:43	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 00:16	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 16:40	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/13/2006 10:20	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862891

MW-27S Grab Water Sample
L.E. Carpenter, NJ

Collected:09/12/2006 13:20 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
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-27S- SDG#: LEC59-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	> 5700.	1.	cfu/ml	n.a.

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.

The plating was performed by Marlaina Raines on 091306 at 12 noon.

Spreader-type colony growth was present on one or both of the plates used in the enumeration of this sample.

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 20:07	John P Hook	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 12:20	Marlaina E Raines	n.a.
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862892

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

Collected:09/11/2006 15:58 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
PO Box 8923
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SW-D5 SDG#: LEC59-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	10.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 00:49	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 17:35	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862893

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

Collected:09/11/2006 18:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
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SW-D4 SDG#: LEC59-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 01:21	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 18:29	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862894

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

Collected:09/11/2006 18:10 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-D3 SDG#: LEC59-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	1. J	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 02:59	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 19:24	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862895

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

Collected:09/11/2006 18:25 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
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SW-D2 SDG#: LEC59-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 03:32	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 20:18	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862896

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

Collected:09/11/2006 18:30 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-D1 SDG#: LEC59-15

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	0.2	J	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	11.	J	2.	ug/l	1

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 04:04	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 21:12	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862897

DRC-2 Grab Water Sample
L.E. Carpenter, NJ

Collected:09/11/2006 16:12 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
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Madison WI 53708-8923

DCR-2 SDG#: LEC59-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 04:37	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 22:07	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862898

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

Collected:09/11/2006 16:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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SW-R1 SDG#: LEC61-01BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/18/2006 12:34	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 01:43	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Lancaster, PA 17605-2425
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862899

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

Collected:09/11/2006 16:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-R1 SDG#: LEC61-01MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	62.	0.6	ug/l	1
07029	Benzene	71-43-2	21.	0.2	ug/l	1
07030	Toluene	108-88-3	21.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	21.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	95.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/18/2006 13:07	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 04:26	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862900

SW-R-1 Matrix Spik Dup. Grab Water Sample
L.E. Carpenter, NJ

Collected:09/11/2006 16:45 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-R1 SDG#: LEC61-01MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	57.	0.6	ug/l	1
07029	Benzene	71-43-2	19.	0.2	ug/l	1
07030	Toluene	108-88-3	19.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	19.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	97.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/18/2006 13:39	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 05:21	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862901

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

Collected:09/11/2006 16:55 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-R2 SDG#: LEC59-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 05:10	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 23:01	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862902

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

Collected:09/11/2006 17:06 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

SW-R3 SDG#: LEC59-19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
08238	BTEX (EPA 602)						
05538	Total Xylenes	1330-20-7	N.D.		0.6	ug/l	1
07029	Benzene	71-43-2	N.D.		0.2	ug/l	1
07030	Toluene	108-88-3	N.D.		0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.		0.2	ug/l	1
00553	Base Neutrals						
00669	bis(2-Ethylhexyl)phthalate	117-81-7	2.	J	1.	ug/l	1

State of New Jersey Lab Certification No. PA011

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 05:42	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/20/2006 23:55	Barton C Conner	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862903

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

Collected:09/12/2006 12:15 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

19--4 SDG#: LEC59-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	85.	1.	cfu/ml	n.a.

The plating was performed by Marlaina Raines on 091306 at 12 noon.

Mold growth was observed on at least one of the plates used in the enumeration of this sample.

00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	740.	19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	4.8	0.20	mg/l	5
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	50.9	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	1.	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862903

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

Collected:09/12/2006 12:15 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

19--4 SDG#: LEC59-20

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 20:12	John P Hook	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 12:20	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	1	09/14/2006 08:02	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 11:23	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/22/2006 01:47	Brian C Veety	5
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/13/2006 19:05	Courtney A Shoff	1
00228	Sulfate	EPA 300.0	1	09/15/2006 17:49	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 17:00	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 06:15	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 00:50	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/13/2006 10:20	Nancy J Shoop	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862904

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

Collected:09/12/2006 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

RMT, Inc.
PO Box 8923
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DUP-1 SDG#: LEC59-21FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
00307	Heterotrophic Plate Count	n.a.	92.	1.	cfu/ml	n.a.
	The plating was performed by Marlaina Raines on 091306 at 1220.					
00206	Total Suspended Solids	n.a.	N.D.	3.0	mg/l	1
00212	Total Dissolved Solids	n.a.	733.	19.4	mg/l	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	4.9	0.20	mg/l	5
00221	Ammonia Nitrogen	7664-41-7	N.D.	0.20	mg/l	1
00227	Total Phosphorus as P (water)	7723-14-0	N.D.	0.080	mg/l	1
00228	Sulfate	14808-79-8	50.1	1.5	mg/l	5
07105	Volatile Headspace Hydrocarbon					
07106	Methane	74-82-8	N.D.	2.0	ug/l	1
07107	Ethane	74-84-0	N.D.	1.0	ug/l	1
07108	Ethene	74-85-1	N.D.	1.0	ug/l	1
07109	Propane	74-98-6	N.D.	1.0	ug/l	1
08238	BTEX (EPA 602)					
05538	Total Xylenes	1330-20-7	N.D.	0.6	ug/l	1
07029	Benzene	71-43-2	N.D.	0.2	ug/l	1
07030	Toluene	108-88-3	N.D.	0.2	ug/l	1
07031	Ethylbenzene	100-41-4	N.D.	0.2	ug/l	1
00553	Base Neutrals					
00669	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	ug/l	1

State of New Jersey Lab Certification No. PA011
This sample was field filtered for dissolved metals.

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

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4862904

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

Collected:09/12/2006 by GV

Account Number: 09322

Submitted: 09/12/2006 17:45
Reported: 09/24/2006 at 21:42
Discard: 10/25/2006

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

DUP-1 SDG#: LEC59-21FD*

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	09/18/2006 20:17	John P Hook	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	09/15/2006 12:20	Marlaina E Raines	n.a.
00206	Total Suspended Solids	EPA 160.2	1	09/14/2006 08:17	Yolunder Y Bunch	1
00212	Total Dissolved Solids	EPA 160.1	1	09/14/2006 08:02	Yolunder Y Bunch	1
00219	Nitrite Nitrogen	EPA 353.2	1	09/13/2006 11:24	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	09/22/2006 01:49	Brian C Veety	5
00221	Ammonia Nitrogen	EPA 350.2	1	09/18/2006 15:30	Luz M Groff	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09/13/2006 19:09	Courtney A Shoff	1
00228	Sulfate	EPA 300.0	1	09/15/2006 18:04	Ashley M Heckman	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	09/15/2006 17:17	Hai D Nguyen	1
08238	BTEX (EPA 602)	EPA 602	1	09/16/2006 06:48	Steven A Skiles	1
00553	Base Neutrals	EPA 625	1	09/21/2006 01:44	Barton C Conner	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	09/16/2006 00:40	Helen L Schaeffer	1
08108	625 Water Extraction	EPA 625	1	09/13/2006 16:50	JoElla L Rice	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09/13/2006 10:20	Nancy J Shoop	1

Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005266
Reported: 09/24/06 at 09:42 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06256105101A	Sample number(s): 4862887,4862889-4862890,4862903-4862904							
Nitrite Nitrogen	N.D.	0.015	mg/l	96		90-110		
Batch number: 06256109101B	Sample number(s): 4862888-4862890,4862903-4862904							
Total Phosphorus as P (water)	N.D.	0.080	mg/l	98		90-110		
Batch number: 06256WAC625	Sample number(s): 4862882-4862885,4862887,4862890,4862892-4862904							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	99		68-111		
Batch number: 062570019A	Sample number(s): 4862887							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	95		80-120		
Ethene	N.D.	1.0	ug/l	93		80-120		
Propane	N.D.	1.0	ug/l	89		73-125		
Batch number: 06257020601A	Sample number(s): 4862890,4862903-4862904							
Total Suspended Solids	N.D.	3.0	mg/l	80		56-128		
Batch number: 06257021201A	Sample number(s): 4862903-4862904							
Total Dissolved Solids	N.D.	9.7	mg/l	102		80-120		
Batch number: 06257WAC625	Sample number(s): 4862889							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	93		68-111		
Batch number: 062580012A	Sample number(s): 4862889-4862890,4862903-4862904							
Methane	N.D.	2.0	ug/l	95		80-120		
Ethane	N.D.	1.0	ug/l	105		80-120		
Ethene	N.D.	1.0	ug/l	110		80-120		
Propane	N.D.	1.0	ug/l	103		73-125		
Batch number: 06258020601A	Sample number(s): 4862889							
Total Suspended Solids	N.D.	3.0	mg/l	87		56-128		
Batch number: 06258196101B	Sample number(s): 4862889-4862890,4862903-4862904							
Sulfate	N.D.	0.30	mg/l	100		89-110		
Batch number: 06258A15A	Sample number(s): 4862882-4862887,4862889-4862890,4862892-4862897,4862901-4862904							
Total Xylenes	N.D.	0.6	ug/l	102		82-120		
Benzene	N.D.	0.2	ug/l	100		86-119		
Toluene	N.D.	0.2	ug/l	102		82-119		
Ethylbenzene	N.D.	0.2	ug/l	101		81-119		
Batch number: 062591848002	Sample number(s): 4862889-4862891,4862903-4862904							
Lead	N.D.	0.0069	mg/l	108		90-113		

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

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Lancaster Laboratories

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005266
Reported: 09/24/06 at 09:42 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 06261021201A	Sample number(s): 4862889							
Total Dissolved Solids	11.0 J	9.7	mg/l	111		80-120		
Batch number: 06261022101A	Sample number(s): 4862888-4862890,4862903-4862904							
Ammonia Nitrogen	N.D.	0.20	mg/l	95		91-100		
Batch number: 06261A15A	Sample number(s): 4862898-4862900							
Total Xylenes	N.D.	0.6	ug/l	111	108	82-120	3	30
Benzene	N.D.	0.2	ug/l	114	111	86-119	2	30
Toluene	N.D.	0.2	ug/l	112	109	82-119	3	30
Ethylbenzene	N.D.	0.2	ug/l	112	108	81-119	3	30
Batch number: 06262021202A	Sample number(s): 4862890							
Total Dissolved Solids	N.D.	9.7	mg/l	100		80-120		
Batch number: 06262106103A	Sample number(s): 4862887,4862889-4862890,4862903-4862904							
Nitrate Nitrogen	N.D.	0.040	mg/l	108		89-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 06256105101A	Sample number(s): 4862887,4862889-4862890,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Nitrite Nitrogen	96		90-110			N.D.	N.D.	0 (1)	20
Batch number: 06256109101B	Sample number(s): 4862888-4862890,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Total Phosphorus as P (water)	104		90-110			N.D.	N.D.	0 (1)	3
Batch number: 06256WAC625	Sample number(s): 4862882-4862885,4862887,4862890,4862892-4862904 UNSPK: 4862898								
bis(2-Ethylhexyl)phthalate	95	97	77-106	3	30				
Batch number: 062570019A	Sample number(s): 4862887 UNSPK: P860241								
Methane	77	67	63-124	8	20				
Ethane	93	90	63-127	4	20				
Ethene	95	90	69-126	5	20				
Propane	107	105	56-136	2	20				
Batch number: 06257020601A	Sample number(s): 4862890,4862903-4862904 BKG: P862975								
Total Suspended Solids						6,050.	6,200.	2 (1)	20
Batch number: 06257021201A	Sample number(s): 4862903-4862904 UNSPK: P860241 BKG: P860241								
Total Dissolved Solids	95	97	60-140	1	5	392.	387.	1	5
Batch number: 06257WAC625	Sample number(s): 4862889 UNSPK: 4862889								
bis(2-Ethylhexyl)phthalate	87	92	77-106	5	30				
Batch number: 062580012A	Sample number(s): 4862889-4862890,4862903-4862904 UNSPK: 4862889								

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

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005266
Reported: 09/24/06 at 09:42 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Methane	83	80	63-124	2	20				
Ethane	93	93	63-127	0	20				
Ethene	100	97	69-126	3	20				
Propane	93	93	56-136	0	20				
Batch number: 06258020601A	Sample number(s): 4862889 BKG: 4862889								
Total Suspended Solids						6.4 J	8.0 J	22* (1)	20
Batch number: 06258196101B	Sample number(s): 4862889-4862890,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Sulfate	109		90-110			22.9	28.4	22* (1)	3
Batch number: 06258A15A	Sample number(s): 4862882-4862887,4862889-4862890,4862892-4862897,4862901-4862904 UNSPK: 4862889								
Total Xylenes	112	96	84-131	15	30				
Benzene	107	97	78-131	10	30				
Toluene	112	97	78-129	15	30				
Ethylbenzene	112	98	75-133	14	30				
Batch number: 062591848002	Sample number(s): 4862889-4862891,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Lead	107	103	75-125	4	20	N.D.	N.D.	1121* (1)	20
Batch number: 06261021201A	Sample number(s): 4862889 UNSPK: 4862889 BKG: 4862889								
Total Dissolved Solids	105	96	60-140	4	5	822.	798.	3	5
Batch number: 06261022101A	Sample number(s): 4862888-4862890,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Ammonia Nitrogen	96	96	64-128	1	8	N.D.	N.D.	0 (1)	2
Batch number: 06261A15A	Sample number(s): 4862898-4862900 UNSPK: 4862898								
Total Xylenes	104	95	84-131	10	30				
Benzene	107	96	78-131	11	30				
Toluene	105	95	78-129	10	30				
Ethylbenzene	106	95	75-133	10	30				
Batch number: 06262021202A	Sample number(s): 4862890 UNSPK: P866059 BKG: P866008								
Total Dissolved Solids	92	60	60-140	11*	5	23,700.	25,000.	5 (1)	5
Batch number: 06262106103A	Sample number(s): 4862887,4862889-4862890,4862903-4862904 UNSPK: 4862889 BKG: 4862889								
Nitrate Nitrogen	114*		90-110			0.36	0.35	4* (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Base Neutrals
Batch number: 06256WAC625

Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14

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

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005266
Reported: 09/24/06 at 09:42 PM

Surrogate Quality Control

4862882	91	91	88
4862883	90	91	77
4862884	88	84	76
4862885	90	84	75
4862887	89	96	75
4862890	92	92	89
4862892	92	82	77
4862893	90	88	76
4862894	89	91	72
4862895	90	86	70
4862896	93	89	81
4862897	90	87	71
4862898	89	90	93
4862899	91	92	89
4862900	95	94	89
4862901	89	84	75
4862902	95	90	75
4862903	93	88	85
4862904	92	90	78
Blank	88	81	96
LCS	93	91	102
MS	91	92	89
MSD	95	94	89
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062570019A

	Propene
4862887	65
Blank	87
LCS	83
MS	66
MSD	64
Limits:	38-129

Analysis Name: Base Neutrals
Batch number: 06257WAC625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4862889	94	90	69
Blank	93	82	90
LCS	99	98	88
MS	99	92	64
MSD	100	96	68
Limits:	48-117	60-114	43-136

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 062580012A

	Propene
4862889	93
4862890	98
4862903	92

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

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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1005266
Reported: 09/24/06 at 09:42 PM

Surrogate Quality Control

4862904	81
Blank	102
LCS	98
MS	91
MSD	85
Limits:	38-129

Analysis Name: BTEX (EPA 602)
Batch number: 06258A15A
Trifluorotoluene-P

4862882	100
4862883	99
4862884	100
4862885	100
4862886	100
4862887	99
4862889	100
4862890	100
4862892	100
4862893	100
4862894	100
4862895	100
4862896	100
4862897	99
4862901	100
4862902	99
4862903	100
4862904	100
Blank	99
LCS	100
MS	99
MSD	99
Limits:	69-129

Analysis Name: BTEX (EPA 602)
Batch number: 06261A15A
Trifluorotoluene-P

4862898	101
4862899	99
4862900	99
Blank	101
LCS	99
LCSD	100
MS	99
MSD	99
Limits:	69-129

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

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 9322 Group# 1009266 Sample # 4862882-904

COC # 0124291

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

(1)

Client: RMT Inc. Acct. #:

Project Name/#: L.E. Carpenter PWSID #:

Project Manager: N. Clevett P.O.#: 6527.18

Sampler: E.V. / S.P. Quote #:

Name of state where samples were collected: NJ

For Lab Use Only
FSC:
SCR #:

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Other	Total # of Containers	BTEX (EPA 602)	Base Neutrals	Total P as P	Sulfate Nitrate	TDS, TSS, Sulfate	Pb (Dissolved) Field filtered	Ammonia Nitrogen	HPC	Nitrite Volatile Headspace Hydro carbon	Remarks
SW-R-4	9/11/06	1715	X			X		5	X	X								
SW-R-5	9/11/06	1945	X			X		5	X	X								
SW-R-6	9/11/06	1735	X			X		5	X	X								
DUP-03	9/11/06	—	X			X		5	X	X								
TB-01	—	—				X		1	X									
MW-27S	9/11/06	1945	X			X		9	X	X		X					X	
MW-27S	9/12/06	0800	X			X		2			X				X			
MW-19-12	9/12/06	1002	X			X		15	X	X	X	X	X	X	X	X	X	
ATM-01	9/12/06	1015	X			X		15	X	X	X	X	X	X	X	X	X	Total Pb
MW-27S	9/12/06	1320	X			X		2						X		X		

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

(8) **Data Package Options** (please circle if required)
QC Summary Type VI (Raw Data)
Type I (Tier I) GLP
Type II (Tier II) Other
Type III (NJ Red. Del.)
Type IV (CLP)

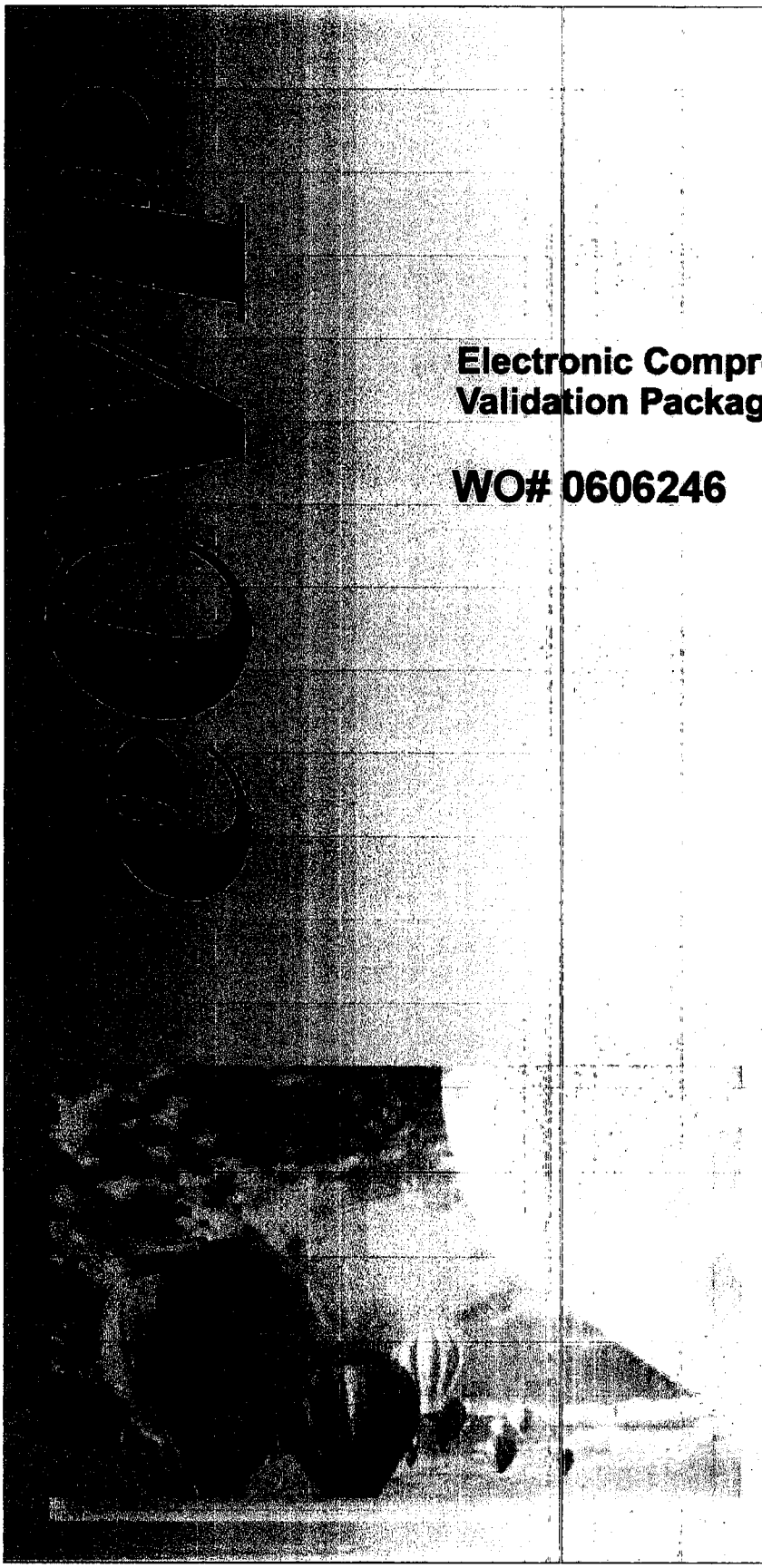
SDG Complete? Yes No

Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
E. Vick			P. Lefever	9/12/06	1352
P. Lefever	9/12/06	1745			
			Daniel Splain	9/12/06	1745

Appendix E
MW19-12 Soil Gas Result



Electronic Comprehensive Validation Package

WO# 0606246

Air Toxics Ltd.

180 Blue Ravine Road Ste. B
Folsom, CA 95630
Phone: 916/985-1000
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COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0606246

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-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
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Comments:

Completed by:

Vera Belitsky	Vera Belitsky / Document Control	6/27/06
(Signature)	(Print Name & Title)	(Date)

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WORK ORDER #: 0606246

Work Order Summary

CLIENT:	Mr. Eric Vincke RMT, Inc. 2025 E. Beltline Avenue, SE Suite 402 Grand Rapids, MI 49546	**BILL TO:**	Accounts Payable RMT, Inc. P.O. Box 8923 Madison, WI 53708-8923
PHONE:	616-975-5415	**P.O. #**	6527.24
FAX:	616-975-1098	**PROJECT #**	6527.24 L.E.C. Soil Gas
DATE RECEIVED:	06/09/2006	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	06/22/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	MW-19-12	Modified TO-15	3.0 "Hg
02A	Lab Blank	Modified TO-15	NA
03A	CCV	Modified TO-15	NA
04A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda J. Freeman DATE: 06/22/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
RMT, Inc.
Workorder# 0606246

One 1 Liter Summa Canister sample was received on June 09, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported LCS for each daily batch has been derived from more than one analytical file.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
MW-19-12	0606246-01A	6/ 7/2006	6/ 9/2006	NA	7	6/14/2006	NA	Good
Lab Blank	0606246-02A	NA	NA	NA	NA	6/14/2006	NA	Good
CCV	0606246-03A	NA	NA	NA	NA	6/14/2006	NA	Good
LCS	0606246-04A	NA	NA	NA	NA	6/14/2006	NA	Good

Sample Results and Raw Data

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: MW-19-12

Lab ID#: 0606246-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	1.1	8.9	2.5	20
Acetone	4.5	12	11	28
Carbon Disulfide	1.1	1.6	3.5	4.8
Methylene Chloride	1.1	1.2	3.9	4.2
Hexane	1.1	2.5	3.9	8.8
2-Butanone (Methyl Ethyl Ketone)	1.1	2.2	3.3	6.4
Tetrahydrofuran	1.1	1.5	3.3	4.5
Chloroform	1.1	1.6	5.5	8.1
1,1,1-Trichloroethane	1.1	4.1	6.1	22
Benzene	1.1	3.4	3.6	11
Heptane	1.1	1.2	4.6	4.8
1,4-Dioxane	4.5	5.3	16	19
Toluene	1.1	7.1	4.2	27
Tetrachloroethene	1.1	1.1	7.6	7.5 J
Ethyl Benzene	1.1	1.6	4.9	6.9
m,p-Xylene	1.1	4.9	4.9	21
o-Xylene	1.1	1.8	4.9	7.9
4-Ethyltoluene	1.1	1.7	5.5	8.2
1,2,4-Trimethylbenzene	1.1	2.2	5.5	11
1,4-Dichlorobenzene	1.1	5.8	6.7	35

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Client Sample ID: MW-19-12

Lab ID#: 0606246-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5061415	Date of Collection:	6/7/06
Dil. Factor:	2.24	Date of Analysis:	6/14/06 09:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.5	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	4.5	Not Detected	9.2	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	8.9	2.5	20
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	3.0	Not Detected
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	4.5	Not Detected	8.4	Not Detected
Freon 113	1.1	Not Detected	8.6	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.5	12	11	28
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	1.1	1.6	3.5	4.8
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	1.1	1.2	3.9	4.2
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	2.5	3.9	8.8
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	2.2	3.3	6.4
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	1.5	3.3	4.5
Chloroform	1.1	1.6	5.5	8.1
1,1,1-Trichloroethane	1.1	4.1	6.1	22
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.0	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	3.4	3.6	11
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	1.2	4.6	4.8
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	5.3	16	19
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	7.1	4.2	27
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.1	Not Detected

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Client Sample ID: MW-19-12

Lab ID#: 0606246-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	5061415	Date of Collection:	6/7/06
Dil. Factor:	2.24	Date of Analysis:	6/14/06 09:27 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Tetrachloroethene	1.1	1.1	7.6	7.5 J
2-Hexanone	4.5	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.5	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.6	Not Detected
Chlorobenzene	1.1	Not Detected	5.2	Not Detected
Ethyl Benzene	1.1	1.6	4.9	6.9
m,p-Xylene	1.1	4.9	4.9	21
o-Xylene	1.1	1.8	4.9	7.9
Styrene	1.1	Not Detected	4.8	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.7	Not Detected
Propylbenzene	1.1	Not Detected	5.5	Not Detected
4-Ethyltoluene	1.1	1.7	5.5	8.2
1,3,5-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,2,4-Trimethylbenzene	1.1	2.2	5.5	11
1,3-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	1.1	5.8	6.7	35
alpha-Chlorotoluene	1.1	Not Detected	5.8	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,2,4-Trichlorobenzene	4.5	Not Detected	33	Not Detected
Hexachlorobutadiene	4.5	Not Detected	48	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	83	70-130
4-Bromofluorobenzene	93	70-130