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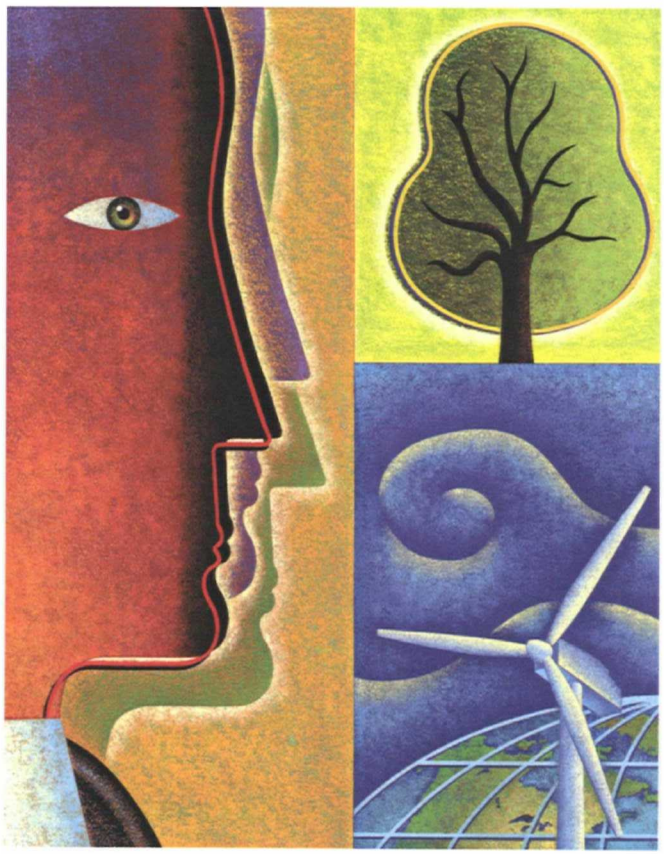
Remedial Action Progress Report (RAPR)

1st Quarter 2008 [1Q08]

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

USEPA ID No. NJD002168748



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Morris County, New Jersey

USEPA ID No. NJD002168748

May 2008

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Section 1
Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Remedial Action Progress Report (RAPR) for the L.E. Carpenter and Company (LEC) ("site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events are performed, and associated progress reports completed and submitted to New Jersey Department of Environmental Protection (NJDEP) to comply with paragraph 35 of the 1986 Administrative Consent Order (ACO) issued to LEC by the NJDEP. We provide a summary of activities completed during the first quarter of 2008 (1Q08), including but not limited to, (1) the continued quarterly Contaminant of Concern (COC) and Monitored Natural Attenuation (MNA) groundwater monitoring of both the MW19/Hot Spot 1 area and source reduction remedial area, (2) surface water quality assessments of the drainage ditch and Rockaway River, and (3) hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies.

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

RMT conducted the following tasks during the 1Q08:

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

Discussion of these activities is provided in the referenced sections.

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

A comprehensive investigative and remedial history of the MW19/Hot Spot 1 Area of Concern (AOC) is presented in the 4th Quarter 2007 RAPR. As outlined in the 4Q07 RAPR, the MW19/Hot Spot 1 AOC has been under investigation since the early 1990s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for former operations in Building 9. Monitoring and further investigation of groundwater quality, soil gas (2006) and residual source areas (2007) has occurred, culminating in the submittal of the Remedial Action Selection Report (RASR) in September 2007. The RASR recommended a combination of vadose zone excavation coupled with mechanical blending of chemical oxidants in the saturated zone to remediate source materials identified in the 2007 investigation. The RASR is currently under Pennsylvania Department of Environmental Protection (PADEP) and United States Environmental Protection Agency (USEPA) review. Quarterly groundwater quality and flow monitoring and evaluation continue as described in the following sections.

2.1 Sampling Methodology

RMT conducted the 1Q08 groundwater monitoring activities February 18 through February 21, 2008. 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 Monitored Natural Attenuation (MNA) work plan. The MNA work plan was approved by NJDEP on January 24, 2002. A site plan showing current conditions and locations of the monitoring points sampled this quarter are shown on Figure 2.

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

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The duplicates were collected from surface water location SW-D-3 (Dup-01), monitoring well MW-29s (Dup-02), and MW-19-5 (Dup-03), and were analyzed for BTEX and bis (2-ethylhexyl) phthalate (DEHP). Dup-02 and Dup-03 were also analyzed for MNA parameters. Rinsate blank RB-02 and RB-03 were collected by circulating distilled water through the cleaned bladder

pump assemblies to verify that decontamination procedures were adequate. Rinsate blank RB-01 was collected by circulating distilled water in a clean stainless steel sampling scoop. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved de-ionized water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted all samples to Environmental Science Corporation (ESC), located in Mt. Juliet, Tennessee for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Lab Certification No. TN002).

2.2 Groundwater Elevations and Flow Direction

RMT measured static groundwater levels within 34 groundwater monitoring wells on February 18, 2008, as part of the sampling activities. In addition, surface water levels were measured at 7 separate locations along the Rockaway River and 5 locations along the drainage ditch. This data was used to calculate groundwater elevations with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the groundwater flow pattern in the shallow aquifer system. Groundwater elevations summarized on Table 1 were used to prepare a site-wide shallow groundwater contour map (Figure 3).

Twelve (12) groundwater elevations calculated from depth to groundwater data (Table 1) were utilized to create the MW19/Hot Spot 1 shallow groundwater contours and flow direction depicted on Figure 4. Shallow groundwater flow direction in the MW19/Hot Spot 1 area is similar to that observed historically (generally toward the northeast). From a regional flow standpoint, overall flow is controlled by the Washington Forge Pond and the Rockaway River. The Rockaway Valley Regional Sewer Authority (RVRSA) storm sewer line that runs west to east down Ross Street has localized influences on the groundwater flow north and south of the utility corridor.

Groundwater elevation data obtained for the MW-19/Hot Spot 1 area wells continues to show that MW-19-12 is directly downgradient from the leading edge of residual groundwater contamination (Figures 4 and 5). The 1Q08 groundwater sample laboratory test results for MW-19-12 show no detectable constituents of concern (COCs) (Table 2). This data, coupled with the fact that groundwater flow north of the RVRSA utility corridor is south towards the LEC site, confirms that the lateral extent of residual groundwater contamination is not migrating to the north of Ross St.

2.3 Delineation of Groundwater Contamination

2.3.1 Contaminants of Concern (COC)

Table 2 summarizes BTEX and DEHP concentrations for all of the six (6) currently sampled MW19/Hot Spot 1 groundwater monitoring wells. The lateral distribution of total BTEX concentrations in the MW-19/Hot Spot 1 Area is shown on Figure 5. RMT sampled groundwater from the MW19/Hot Spot 1 monitoring wells on February 19 and February 20, 2008. Corresponding field sampling data and analytical laboratory reports are presented in Appendix C and Appendix D, respectively.

The higher of the Class IIA New Jersey Groundwater Quality Standard (C2A NJGWQS) for DEHP (2 µg/L) and Practical Quantitation Limit (POQL) (3 µg/L) was not exceeded in any of the MW-19/Hot Spot 1 area monitoring wells sampled during the 1Q08 monitoring event. Toluene, ethylbenzene, benzene and total xylenes did not exceed the higher of the C2A NJGWQS and PQL of 1000 µg/L, 700 µg/L, 1 µg/L and 1000 µg/L, respectively, in groundwater collected from the MW-19/Hot Spot 1 area.

During the second quarter of 2006 (2Q06), MW-19-12 was installed between MW-19-7 and MW-19-11 in order to determine if dissolved BTEX constituents existed further northeast towards the residences on Ross Street. As discussed above, data continues to show that MW-19-12 is downgradient of MW-19-7. No BTEX or DEHP were detected in MW-19-12 in 1Q08. As shown on Figure 5, this indicates that existing residual groundwater contamination in the MW-19/Hot Spot 1 area is very limited in extent and poses no risk to residences on the north side of Ross Street.

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

Figure 5 shows isoconcentration contours for total BTEX concentrations in parts per million (ppm or mg/L). The contours were constructed by taking into account total

concentrations together with particle flow-paths that are perpendicular to the groundwater elevation contours. The distribution of total BTEX defined by the isoconcentration contours is consistent with the predominant lateral component of groundwater flow direction defined by the groundwater elevation contours.

The lack of downward migration of COCs is evidenced by a historical lack of detectable constituents in MW-19-D, and further supported/verified by historical groundwater elevation data that continues to show strong upward vertical hydraulic gradients. This upward vertical gradient is consistent with all other former deep/shallow well clusters across the site and is a function of the hydraulic head induced by the Washington Pond Reservoir, and regional discharge to the Rockaway River. These findings are consistent with an earlier RMT prediction of an upward vertical gradient for this location based on nearby piezometers GEI-2I and GEI-2S, and other upward vertical gradients observed across the site. The Washington Forge Pond (at an elevation of approximately 640 feet), and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area.

2.3.2 MNA Parameters and Data Analysis

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

Natural attenuation (NA) of petroleum hydrocarbons via biodegradation (also known as intrinsic bioremediation) has been documented to be a universal phenomenon in that it occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be protective at >80% of those sites (Wiedemeier, 1997). Given the low concentrations exhibited over most of the sampling history for MW-19-7 (relative to MW-19-5), and results of NA parameter testing (described in more detail below), LEC believes that intrinsic bioremediation is active at the site.

Where NA processes are present, groundwater contamination stops migrating at some finite distance from the source because biodegradation prevents plume expansion once relative equilibrium conditions have been achieved with respect to microbially mediated processes. Based on isoconcentration maps from the past two years and the data in Table 2, it appears that the size and shape of the plume within the MW19/Hot Spot 1 Areas have remained relatively constant. At the upgradient edge of residual soil contamination, MW-19 shows evidence of overall concentration reductions over time. Within or immediately adjacent to the downgradient edge of residual soil contamination, MW-19-5 shows variable concentrations over time related to infiltration and water table fluctuation events. Further downgradient from the residual soil

contamination MW-19-7 shows the least amount of BTEX concentrations and the highest concentrations of various NA parameters that are produced as a function of biodegradation.

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. This data, together with the trend to non-detect total BTEX concentrations in MW-19-7 and MW-19-12, indicate that biodegradation of BTEX compounds reaches completion a relatively short distance downgradient from MW-19-7 (between MW-19-7 and MW-19-12).

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

Although the residual soil contamination is limited in extent, it is apparently significant enough such that remediation via natural attenuation could take many years before achieving industrial cleanup levels. Therefore, LEC is taking steps towards remediating the MW-19 HS1 area as outlined in the September RASR (See Section 5).

Section 3
Source Reduction Area of Concern

The 1Q08 monitoring event marks the eighth time that PRMP wells installed in June 2006 have been sampled. Installation of the remaining five (5) approved PRMP wells within the Wharton Enterprises property wetland area located east of LEC was conducted during the week of April 7, 2008. Sampling of all PRMP wells, including the 5 new mounded wetland monitoring wells, is slated to occur during the 2Q08 monitoring event currently scheduled for completion during the week of May 5, 2008.

Site-wide shallow groundwater contours and associated flow pattern are shown on (Figure 3). The contours were prepared by utilizing the surveyed groundwater elevations from the new PRMP wells, existing site wells, and river and ditch surface water elevations (Table 1). The map shows that shallow groundwater flow is similar to flow that occurred before the source reduction in that shallow groundwater at the site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam ("losing" reach of river; see approximate flow direction arrows on Figure 3). Further downgradient, site groundwater nearest the river flows generally parallel to the river, and eventually becomes influent to the river just downgradient of the source reduction area (in the Wharton Enterprises wetland area). Also, similar to the pre-source reduction flow, some of the site shallow groundwater becomes influent to the ditch surface water; this flow-path is supported by the occasional low detections of COCs in some of the ditch surface water samples (see Section 4).

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

The analytical results from all monitoring events are summarized in Tables 2 thru 5. In 1Q08, low levels of dissolved groundwater contamination were found in shallow monitoring wells MW-28s, MW-28i, and MW-30s (Table 2). No measurable free product was in any well monitoring during the 1Q08 event. The concentrations of dissolved benzene, ethylbenzene, and xylene appear to be generally decreasing over time in MW-28 well cluster. BTEX is fluctuating in monitoring well MW-30s, but overall concentrations appear to be decreasing. Dissolved DEHP increased at the MW-28s and MW-28i monitoring wells during 1Q08, but the overall

trend is a decrease in DEHP concentration. The trend of DEHP in MW-30s is less clear, and appears to fluctuate from quarter to quarter. Because this well froze in 1Q07, and difficulties in advancing sampling and monitoring equipment into the well continue, questions as to whether the well's screen and riser are damaged are being raised. RMT is currently in the process of evaluating the abandonment of the current MW-30S location and installing a replacement well *e.g.*, MW-30S(R).

The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the source reduction area both have screens that were placed across or directly below the slurry monolith floor. At both locations, deeper intermediate monitoring wells MW-28i and MW-30i were installed just below the shallow well and screened approximately 5 feet below the bottom of the shallow well screen; 15 to 20 ft bgs and 10 to 15 ft bgs respectively. Analytical results from MW-28i identified DEHP at a concentration of 31 ug/L (Table 2), which is slightly higher than the previous sampling event. Overall, MW-28i DEHP data represents a general decreasing trend. No COCs were detected in MW-30i, or deeper monitoring well MW-30d (screened an additional 5 feet below the bottom of the MW-30i well screen; 20-25 ft bgs) during the 1Q08 monitoring event. With the exception of a "J" qualified DEHP detection in 3Q06 (9 µg/L), no contamination has been detected above the higher of the C2A NJGWQS and PQL in the deepest monitoring well (MW-30d; Table 2). In 4Q07, Toluene was detected in the duplicate sample collected at the MW-30d well location (7.7 µg/L). However, given this COC was not detected in the intermediate location MW-30i, and the fact that the actual sample collected for this location in 4Q07 was non detect, RMT believes this Toluene concentration is a result of laboratory error. Toluene was not detected at the MW-30d monitoring well during 1Q08. Communications with the laboratory have occurred to ensure sample and laboratory integrity is maintained. In general, COC trend analysis demonstrates that the vertical extent of dissolved groundwater contamination is limited to a depth of between 5 to 10 feet below the bottom of the slurry monolith floor at that location.

Based on the site wide groundwater flow map (Figure 3), the receptor downgradient from the central portion of the source reduction area represented by results from the MW-28 cluster is the drainage ditch. Groundwater from other portions of the source reduction area flows towards the wetland area and the Rockaway River. Additional monitoring points (as shown on Figures 2 and 3; MW-31s thru MW-35s) were installed during the week of April 7, 2008 upon receipt of 1) the GP-14 and Minor Modification Stream Encroachment (mmSEP) permits on February 29, 2008, from the NJ Land Use Regulation Program (LURP), and, 2) the trout maintenance time restriction waiver from LURP and the Bureau of Freshwater Fisheries to allow monitoring well installation between the dates on March 15th and June 15th.

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

Section 4
Surface Water Sampling

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

4.1 Eastern Drainage Channel

As part of the 1Q08 event, RMT sampled five (5) points within the eastern drainage channel that separates the adjacent Air Products facility from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

During the 1Q08 sampling event, locations SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5 were sampled. Sample SW-D-1 is located at the upstream end (head) of the ditch. Sample SW-D-2 is located just downgradient of the bend around the Air Products 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; just above [north] the beaver dam. All surface water sample locations are shown on Figure 2. The laboratory analytical results for these drainage ditch samples are summarized on Table 5.

DEHP was not detected in any of the ditch surface water samples. SW-D-1 (4.9 µg/L), SW-D-2 (4.4 µg/L), SW-D-3 (3.8 µg/L), and SW-D-4 (4.1 µg/L) had detections of total xylenes, however, there is no NJSWQC for total xylenes. Benzene was not detected in any of the ditch surface water samples. Although the Method Detection Limit (MDL) of 1 µg/L is higher than the NJSWQC of 0.15 µg/L, it is equivalent to the PQL.

4.2 Rockaway River

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

Sample SW-R-1 was collected near the river edge adjacent to the location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river. As discussed in earlier reports, the sheen was discovered in 2004 as a visible coloration on top of quiescent water pooled within the wetland area. The surface water sample from SW-R-1 was non-detect for BTEX and DEHP. No product sheen was observed at this location during the 1Q08 event.

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

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

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

Another surface water sample was collected in the ditch near its intersection with the Rockaway River (approximately 10 feet upstream in the drainage channel; see Figure 2). Similar to the other river samples collected, the "Ditch-River Confluence" sample DRC-2 was non-detect for BTEX and DEHP. Because the DRC-2 location represents the discharge point from the ditch/beaver pond, this sampling point will continue to be tested as part of future monitoring events. This surface water monitoring point was professionally surveyed along with SW-D-5, and the five (5) wetland monitoring wells during the week of April 7, 2008.

Benzene was not detected in any of the river surface water samples. Although the Method Detection Limit (MDL) of 1 μg/L is higher than the NJSWQC of 0.15 μg/L, it is equivalent to the PQL.

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

Section 5
Additional and Future Project Activities

The following section briefly outlines additional activities completed in 1Q08 and activities anticipated for completion during 2Q08. The 2Q08 monitoring event is scheduled for the week of May 5, 2008. An updated Master Project Schedule is presented in Appendix E.

5.1 Post Remedial Monitoring Plan [PRMP] Implementation and Reporting

On February 29, 2008, RMT received both the GP-14 permit and the Minor Modification to the Stream Encroachment permit. These permits provided LURP authorization to begin construction activities on the installation of the five (5) remaining mounded wetland area PRMP wells. However, the GP-14 permit contained a special condition which prohibited any grading or construction activities within the 100-year floodplain between the dates of March 15 and June 15 due to trout maintenance on the Rockaway River. RMT sent a letter to the NJDEP Bureau of Freshwater Fisheries, dated March 18, 2008, formally requesting a waiver from the requirements of GP-14 Permit Special Condition No. 1- *Prohibition of construction activities between the dates of March 15 and June 15 to protect the trout stocked water of the Rockaway River*. In an email dated March 25, 2008, RMT was granted a waiver for the time restriction period March 15 to June 15 for well installation, construction and restoration from the NJDEP Bureau of Land Use. A copy of the waiver request and approval is presented in Appendix F. As outlined in the Project Schedule and as previously discussed, RMT installed the five (5) mounded wetland area PRMP wells during the week of April 7, 2008.

One MW19/Hot Spot 1 groundwater monitoring well was not utilized in the development of the potentiometric surface map presented as Figure 3. MW-19-10 was damaged beyond repair during winter-time snow removal activities, and therefore was abandoned during the week of April 7, 2008, when the remaining 5 wetland area PRMP mounded groundwater monitoring wells were installed. The MW-19-10 monitoring location will not be replaced as this location is evaluated for static water level only.

The SW-D-5 and DRC-2 surface water monitoring locations are located directly east of LEC, where drainage channel flow is inhibited by a beaver dam as it heads south towards the Rockaway River, and where the ditch and Rockaway River intersect, respectively. These locations were surveyed following the installation of the five (5) wetland monitoring wells during the week of April 7, 2008.

The 2Q08 monitoring event is slated to be completed during the week of May 5, 2008. All PRMP monitoring wells, including the five (5) new mounded wetland wells will be sampled for water quality and evaluated for groundwater water elevation during the 2Q08 event. All monitoring data will be presented in the 2Q08 RAPR. In addition, a PRMP Implementation Report will also be presented to NJDEP and USEPA in 2Q08 documenting all PRMP field implementation activities and as-built conditions.

5.2 Remedial Action Progress Reports [RAPRs]

The 2Q06, 3Q06, 4Q06, 1Q07, 2Q07, 3Q07 and 4Q07 RAPRs were submitted to both NJDEP and USEPA for review on August 24, 2006, November 8, 2006, February 2, 2007, May 5, 2007, July 20, 2007, November 7, 2007 and January 31, 2008, respectively. During a January 23, 2007 telephone conversation, NJDEP indicated that formal regulatory response following review of these 1986 ACO required deliverables would be forwarded to both LEC and RMT by the end of February 2007. As previously mentioned, NJDEP approved the 1Q06 RAPR including response to the PRMP comments in their letter dated March 30, 2007. No response has been received to date for the remaining 3 - 2006 RAPRs and 4 - 2007 RAPRs.

5.3 MW19/Hot Spot 1 Soil Gas Investigation and RASR

On May 9, 2006, RMT, on behalf of LEC, submitted a soil gas investigation report documenting field implementation and the results of a soil gas investigation conducted in the MW19/Hot Spot 1 area to comply with the October 2005 NJDEP Vapor Intrusion Guidance and revised NJDEP Field Sampling Procedures Manual (August 2005). During a January 23, 2007 telephone conversation, NJDEP indicated that formal regulatory response following review of this report would be forwarded to both LEC and RMT by the end of February 2007. LEC received a Notice of Deficiency (NOD) comment letter from the NJDEP, dated June 20, 2007. RMT, on behalf of LEC, prepared a request for a 45-day extension dated July 17, 2007, for the submittal of the Remedial Action Selection Report (RASR) outlined in the NJDEP NOD. NJDEP approved the 45-day extension. Subsequently, LEC performed a source area investigation and submitted the RASR to NJDEP and USEPA on September 4, 2007. No regulatory comments on the RASR have been received to date.

5.4 Wetland Monitoring, Invasive Species Control, and Reporting

Spring and fall 2008 monitoring and invasive species control events are tentatively scheduled for May and September 2008. General wetland restoration activities and wetland monitoring well mound restorations were performed in accordance with GP-14 and mmSEP permits during the week of April 7, 2008. All wetland restoration activities will be outlined in the PRMP Implementation Report.

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	18-Feb-08	8.26	629.34
GEI-2S	Piezometer	754566	470506.18	634.86	637.27	637.07	18-Feb-08	8.20	628.87
GEI-3I	Piezometer	754311.79	470453.7	636.96	639.39	639.25	18-Feb-08	10.36	628.89
MW-8	Monitoring Well	754099.29	471251.06	627.39	629.96	628.19	18-Feb-08	1.22	626.97
MW-9	Monitoring Well	754075.94	471111.03	628.61	631.09	629.58	18-Feb-08	2.05	627.53
MW-12S(R)	Monitoring Well	754055.97	471042.34	631.57	634.26	633.73	18-Feb-08	6.12	627.61
MW-13S	Monitoring Well	754353.97	471370.04	627.74	630.80	630.63	18-Feb-08	2.85	627.78
MW-13S(R)	Monitoring Well	754333.07	471365.71	627.66	630.36	629.99	18-Feb-08	NM - locked	-
MW-13I	Monitoring Well	754337.8	471360.31	627.76	630.28	630.06	18-Feb-08	2.88	627.18
MW-15S	Monitoring Well	754326.58	470891.83	634.23	636.43	636.17	18-Feb-08	8.20	627.97
MW-15I	Monitoring Well	754325.8	470901.47	634.14	636.28	636.06	18-Feb-08	8.18	627.88
MW-17	Monitoring Well	754109.68	470759.85	632.35	634.32	634.19	18-Feb-08	5.82	628.37
MW-18S	Monitoring Well	754677.95	471117.26	627.62	630.88	630.66	18-Feb-08	3.75	626.91
MW-18I	Monitoring Well	754675.11	471106.07	627.75	630.59	630.44	18-Feb-08	2.92	627.52
MW-19	Monitoring Well	754537.15	470454.45	636.22	636.23	635.90	18-Feb-08	6.95	628.95
MW-19-1	Monitoring Well	754534.52	470427.63	635.93	635.96	635.64	18-Feb-08	6.55	629.09
MW-19-2	Monitoring Well	754551.81	470429.56	636.46	636.50	636.30	18-Feb-08	7.35	628.95
MW-19-3	Monitoring Well	754539.4	470394.2	636.97	637.06	636.70	18-Feb-08	7.69	629.01
MW-19-4	Monitoring Well	754505.39	470432.08	635.69	635.76	635.43	18-Feb-08	5.75	629.68
MW-19-5	Monitoring Well	754565.53	470470.75	635.93	635.93	635.56	18-Feb-08	6.59	628.97
MW-19-6	Monitoring Well	754578.87	470443.1	636.17	636.16	635.82	18-Feb-08	7.02	628.80
MW-19-7	Monitoring Well	754595.66	470501.7	635.31	635.36	635.00	18-Feb-08	6.32	628.68
MW-19-8	Monitoring Well	754617.42	470493.65	635.82	635.82	635.36	18-Feb-08	6.71	628.65
MW-19-9D	Monitoring Well	754590	470442	636.39	636.41	636.10	18-Feb-08	6.61	629.49
MW-19-10	Monitoring Well	754625.75	470590.81	634.72	634.81	634.43	18-Feb-08	NM- Damaged	-
MW-19-11	Monitoring Well	754617.45	470546.95	634.22	634.26	633.67	18-Feb-08	5.24	628.43
MW-19-12	Monitoring Well	754627.53	470529.72	634.93	634.93	634.46	18-Feb-08	6.12	628.34
MW-21 (3)	Monitoring Well	754240.97	471645.78	624.57	628.49	628.20	18-Feb-08	1.62	626.58
MW-25(R) (3)	Monitoring Well	754201.83	471518.21	624.65	626.77	626.62	18-Feb-08	2.02	624.60
MW-27s	Monitoring Well	754253.78	470672.69	635.82	635.78	635.07	18-Feb-08	6.72	628.35
MW-28S	Monitoring Well	754243.26	471034.34	628.20	631.28	631.14	18-Feb-08	3.76	627.38
MW-28I	Monitoring Well	754242.87	471031.19	628.25	631.20	631.04	18-Feb-08	3.59	627.45
MW-29S	Monitoring Well	754411.14	471187.85	629.94	632.83	632.66	18-Feb-08	5.65	627.01
MW-30S	Monitoring Well	754281.65	471265.21	625.08	628.18	627.99	18-Feb-08	1.33	626.66
MW-30I	Monitoring Well	754286.42	471263.15	625.14	628.15	628.00	18-Feb-08	1.12	626.88
MW-30D	Monitoring Well	754290.05	471261.2	625.20	628.22	628.04	18-Feb-08	1.12	626.92
SG-R2 (3)	Rockaway River Monitoring Point	754056.10	470946.46	629.41	-	-	18-Feb-08	1.21	628.20
SW-R-1 (4)	Rockaway River Monitoring Point	754125.56	471523.00	625.87	-	-	18-Feb-08	1.59	624.28
SW-R-2 (4)	Rockaway River Monitoring Point	754112.82	471426.51	626.54	-	-	18-Feb-08	1.64	624.90
SW-R-3 (4)	Rockaway River Monitoring Point	754149.30	471368.76	626.25	-	-	18-Feb-08	1.02	625.23
SW-R-4 (4)	Rockaway River Monitoring Point	754088.00	471279.58	627.57	-	-	18-Feb-08	1.89	625.68
SW-R-5 (4)	Rockaway River Monitoring Point	754314.04	470408.85	640.66	-	-	18-Feb-08	0.83	639.83
SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	631.68	-	-	18-Feb-08	2.41	629.27
SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	625.75	-	-	18-Feb-08	1.58	624.17
SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	626.07	-	-	18-Feb-08	1.80	624.27
SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	625.70	-	-	18-Feb-08	1.38	624.32
SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08	624.93		-	18-Feb-08	0.70	624.23
SW-D-5 (7)	Drainage Channel Monitoring Point	Not Surveyed					18-Feb-08	2.80	-
DRC-2 (7)	Drainage Channel Monitoring Point	Not Surveyed					18-Feb-08	1.01	-

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

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

MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
			ANALYTICAL PARAMETERS				
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
MW19							
Dilution factor for BTEX 2000	24-Feb-95	1	<				NR
Dilution factor for BTEX 100	14-Jun-95	2					NS
Dilution factor 5000 for BTEX & 2 for DEHP; MDL for Benzene 1000 ug/l	24-Apr-98	2	<				
Dilution factor for BTEX 500	2-Aug-01	3	<				3
Dilution factor for BTEX 1000	6-Jun-02	2	<				
Dilution factor for BTEX 100, Toluene 200	20-Nov-03	4	<				J
	15-Jun-04	2	<				J
Dilution factor for BTEX 100, Toluene 500	10-Aug-04	3	<				J 2
Dilution factor for BTEX 50	13-Jan-05	1	<				< 1
Lower Grab Water Sample; Dilution factor for BTEX 5	8-Apr-05	2	< 1	97		530	J 3
Upper Grab Water Sample; Dilution factor for Toluene 5	8-Apr-05	2	< 0.2	86.0	410.0	430.0	J 3.0
Dilution factor for BTEX 200	27-Jul-05	3	<				J 2
Dilution factor for BTEX 100	27-Oct-05	4	<	200			J
Dilution factor for BTEX 250	28-Feb-06	1	<				J 3
Dilution factor for BTEX 200	20-Jun-06	2	<				J 3
Dilution factor for BTEX 200	13-Sep-06	3	<				J 3
Dilution factor for BTEX 200	8-Nov-06	4	<				J 2
Dilution factor for BTEX 500	8-Feb-07	1	<				< 1
Dilution factor for BTEX 50, Toluene 200	27-Jun-07	2	<	680			< 1
Dilution factor for BTEX 100, Toluene 500	12-Sep-07	3	<				3
Dilution factor for BTEX 250, DEHP 1.1	4-Dec-07	4	<				< 1
	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW19-4							
	12-Mar-98	1	< 0.2	< 0.1	< 0.1	< 0.5	< 1.3
	2-Aug-01	3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.5
	6-Jun-02	2	< 0.22	< 0.18	< 0.24	< 0.20	< 0.50
	19-Nov-03	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	2.2	< 0.6	< 1.0
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP 10	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW19-5							
Dilution factor for BTEX 5000	12-Mar-98	1	<				
Dilution factor for BTEX 1000	2-Aug-01	3	<				
Dilution factor for BTEX 500	7-Mar-02	1	<	300			1
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2	<				<
Dilution factor for BTEX 5000, for DEHP 20	5-Jun-02	2 duplicate	<				<
	19-Nov-03	4	< 0.2	< 0.2	4.3	J 0.9	< 0.9
	18-Dec-03	4 resample	< 0.2	3.7	240.0	24.0	< 0.9
	16-Jun-04	2	<				J 1
	10-Aug-04	3	<				J 1
Dilution factor for BTEX 10	13-Jan-05	1	<	64		340	< 1
Dilution factot for BTEX 200, Lower Grab Water Sample	9-Apr-05	2	<				J 1
Upper Grab Water Sample	9-Apr-05	2	< 0.2	J 0.4	9.5	J 2.3	< 1.0
Dilution factor for BTEX 500	26-Jul-05	3	<				< 1
	27-Oct-05	4	< 0.2	6.8	140.0	37.0	< 1.0
Dilution factor for BTEX 100	28-Feb-06	1	<	290			< 1
Dilution factor for BTEX 20	20-Jun-06	2	<	130		730	< 1
Dilution factor for BTEX 100	13-Sep-06	3	<	550			< 1
Dilution factor for BTEX 100	8-Nov-06	4	<	410			
Dilution factor for BTEX 500	8-Feb-07	1	<				< 1
Dilution factor for BTEX 100, Toluene 1000	27-Jun-07	2	<				< 1
Dilution factor for BTEX 100, Toluene 500	12-Sep-07	3	<				1
Dilution factor for BEX 200, Toluene 50, DEHP 1.1	4-Dec-07	4	<				< 1
	20-Feb-08	1	< 1	8	190	45	< 1
Dilution factor for Toluene 5 [DUP-03]	20-Feb-08	1 duplicate	< 1	6	200	34	< 1

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MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
MW19-6							
Dilution factor for BTEX 200	15-Nov-99	4	<	94		500	
Dilution factor for BTEX 2	1-Aug-01	3	< 0.4	14.0	390.0	47.0	
	5-Jun-02	2	< 0.22	1.70	13.00	4.10	2.30
	18-Nov-03	4	< 0.2	< 0.2	J 0.3	< 0.6	J
	17-Jun-04	2	< 0.2	J 0.4	1.1	1.2	J 3.0
	10-Aug-04	3	< 0.2	4.6	38.0	18.0	J
	13-Jan-05	1	< 0.2	4.0	36.0	14.0	J 1.0
Lower Grab Water Sample	9-Apr-05	2	< 0.2	16.0	160.0	64.0	< 1.0
Upper Grab Water Sample	9-Apr-05	2	< 0.2	11.0	74.0	37.0	< 1.0
	26-Jul-05	3	< 0.2	3.6	27.0	14.0	J 2.0
	27-Oct-05	4	< 0.2	5.4	110.0	25.0	< 0.9
	28-Feb-06	1	< 0.2	5.8	65.0	23.0	< 1.0
	20-Jun-06	2	< 0.2	1.7	3.2	5.0	< 1.0
	20-Jun-06	2 duplicate	< 0.2	1.7	3.2	4.9	< 1.0
	12-Sep-06	3	< 0.2	J 0.3	1.0	J 0.9	< 1.0
	7-Nov-06	4	< 0.2	J 0.3	< 0.2	J 0.6	< 0.9
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW19-7							
Dilution factor for BTEX 50	15-Nov-99	4	<	100	51		<
Dilution factor for BTEX 2	1-Aug-01	3		6.6	13.0	680.0	< 0.4
Dilution factor for BTEX 5	7-Mar-02	1		< 1	< 1	250	2
	5-Jun-02	2	0.48	1.60	27.00	27.00	< 0.40
	19-Nov-03	4		J 0.4	J 0.3	460.0	J 1.0
	16-Jun-04	2	J	130.0		630.0	< 1.0
	16-Jun-04	2 duplicate	J	130		610	< 1
	10-Aug-04	3		2	1	20	< 1
Dilution factor for BTEX 2	12-Jan-05	1		90.0	240.0	760.0	< 1.0
	12-Jan-05	1 duplicate		45.0	120.0	380.0	< 1.0
Lower Grab Water Sample; Dilution factor for BTEX 25	7-Apr-05	2	J	210.0			< 1.0
Upper Water Grab Sample; Dilution factor for BTEX 10	7-Apr-05	2	J	370			< 1
Lower Grab Water Sample	27-Jul-05	3		< 0.2	J 0.2	J 1.7	< 0.9
Upper Grad Water Sample	27-Jul-05	3		< 0.2	J 0.5	J 2.4	< 1.0
Dilution factor for BTEX 200	27-Oct-05	4	J				< 1
Dilution factor for Total Xylenes 5	28-Feb-06	1		4.9	J 0.3	870.0	< 1.0
Dilution factor for Total Xylenes 5	28-Feb-06	1 duplicate		5.0	J 0.3	840.0	< 0.9
	20-Jun-06	2		19.0	J 0.6	550.0	< 1.0
Dilution factor for Total Xylenes 5	12-Sep-06	3		33.0	J 0.3	440.0	< 1.0
	8-Nov-06	4		< 0.2	< 0.2	26.0	< 0.9
	7-Feb-07	1		< 1.0	< 5.0	< 3.0	< 1.0
	7-Feb-07	1 duplicate		< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	23.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution for DEHP 1.1	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
	19-Feb-08	1	< 1.0	7.3	55.0	36.0	< 1.0
MW19-12	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	6-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0

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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	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
MW-25R							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2 duplicate	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	1.6
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW-27s							
	22-Jun-06	2	J 0.6	3.7	3.9	14.0	J 3.0
	11-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.2
Dilution factor for DEHP is 1.4	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.4
Dilution factor for DEHP is 1.18	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
MW-28s							
Dilution factor for BTEX 5	21-Jun-06	2	J [redacted]	560.0	< 1.0	[redacted]	[redacted]
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3	J 0.2	210.0	< 0.2	450.0	[redacted]
Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 duplicate	J 0.3	220.0	< 0.2	470.0	[redacted]
Dilution factor for DEHP 10	7-Nov-06	4	< 0.2	92.0	< 0.2	180.0	[redacted]
Dilution factor for DEHP is 20	7-Feb-07	1	< 1.0	70.0	< 5.0	150.0	[redacted]
Dilution factor for DEHP is 20	7-Feb-07	1 duplicate	< 1.0	58.0	< 5.0	130.0	[redacted]
	27-Jun-07	2	< 1.0	30.0	< 5.0	56.0	[redacted]
Dilution factor for DEHP is 5	12-Sep-07	3	< 1.0	17.0	< 5.0	42.0	[redacted]
Dilution for DEHP is 1.2	6-Dec-07	4	< 1.0	32.0	< 5.0	96.0	[redacted]
Dilution for DEHP is 20	20-Feb-08	1	< 1.0	14.0	< 5.0	36.0	[redacted]
MW-28i							
Dilution factor for BTEX 5	22-Jun-06	2	< 1.0	480.0	< 1.0	[redacted]	[redacted]
Dilution factor for Xylene and DEHP is 5	13-Sep-06	3	< 0.2	72.0	J 0.6	520.0	[redacted]
	7-Nov-06	4	< 0.2	10.0	< 0.2	14.0	[redacted]
Dilution factor for DEHP is 10	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
Dilution for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.4
Dilution for DEHP is 5	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
MW-29s							
	22-Jun-06	2	< 0.2	J 0.2	< 0.2	J 0.6	J 1.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	[redacted]
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Deilution for DEHP 1.2	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP 1.05 (DUP-02)	19-Feb-08	1 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW-30s							
	21-Jun-06	2	< 1.0	[redacted]	J 1.3	[redacted]	[redacted]
Dilution factor for BTEX 20, DEHP is 500	13-Sep-06	3	< [redacted]	[redacted]	46.0	[redacted]	[redacted]
Dilution factor for BTEX 5, DEHP is 100	9-Nov-06	4	< 1.0	540.0	< 1.0	[redacted]	[redacted]
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
Dilution factor for BTEX 5, DEHP is 2000	26-Jun-07	2	[redacted]	300.0	< 25.0	[redacted]	[redacted]
Dilution factor for DEHP is 50	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
Dilution factor for DEHP is 200	12-Sep-07	3 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	[redacted]
Dilution factor for DEHP is12, BTEX is 5	6-Dec-07	4	[redacted]	34.0	110.0	260.0	[redacted]
Dilution factor for DEHP is 111, BTEX is 5	20-Feb-08	1	< [redacted]	110.0	< 25.0	480.0	[redacted]

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

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
MW-30I							
	21-Jun-06	2	J 0.3	38.0	1.4	170.0	J 2.0
	13-Sep-06	3	< 0.2	1.5	< 0.2	4.9	[redacted]
	8-Nov-06	4	< 0.2	J 0.2	< 0.2	< 0.6	J 1.0
	8-Nov-06	4 duplicate	< 0.2	J 0.2	< 0.2	< 0.6	< 1.0
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.3
Dilution factor for DEHP 1.2	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
Dilution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
MW-30d							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	J 3.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J [redacted]
	8-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	7-Feb-07	1	NS - frozen	NS - frozen	NS - frozen	NS - frozen	NS - frozen
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dilution factor for DEHP 1.1	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1
Dilution factor for DEHP 1.1	4-Dec-07	4 duplicate	< 1.0	< 1.0	7.7	< 3.0	< 1.1
Dilution factor for DEHP 1.05	19-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Atmospheric Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	26-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	J 1.9	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
ATM-01	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Rinsate Blank	14-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	22-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0

TABLE 2

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

MONITORING WELLS	ANALYTICAL PARAMETERS						
	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2-Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
		PRACTICAL QUANTITATION LIMIT [PQL]	1	2	1	2	3
		NEW JERSEY GROUNDWATER QUALITY STANDARDS (NJGWQS) CLASS IIA	0.2	700	1,000	1,000	2
		HIGHER OF NJGWQS AND PQL	1	700	1,000	1,000	3
Trip Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	12-Sep-06	3	< 0.2	J 0.2	< 0.2	< 0.6	NA
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	6-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA
	18-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	NA

LEGEND

ug/L = micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision

NA = Not Applicable

NS = Not Sampled

No Detection

= Duplicate sample

centration exceeds NJGWQS

1.2

B: Analyte also detected in blank

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

NOTES

(1) Low flow sampling initiated 1st quarter 2002

(2) GEI series wells are piezometers installed by Weston

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

TABLE 3

Through 1st Quarter 2008

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

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	80	30		ND	ND	0.054		150	NS
	3Q04	630	30.9		ND	ND	0.12		230	NS
	1Q05	350	17.2	347	0.22	ND	ND	7.4	230	NS
	2Q05L	390	10.8 J	413	2.8	ND	ND	33.3	3.0 J	NS
	2Q05U	1,400	15	455	3	ND	ND	30	2.0 J	NS
	3Q05	3	67		0	1	ND	6	33	NS
	4Q05	120	23		1	1	ND	37	19	NS
	1Q06	25	36		ND	ND	ND		140	NS
	2Q06	56	44	460	ND	0.43 J	ND		95	ND
Dilution factor for Methane 5	3Q06	60	13	435	ND	0.43 J	ND	5	310	ND
Dilution factor for Methane 100	4Q06	20	16	411	ND	ND	0		1,700	ND
	1Q07	140	7	340	ND	ND	ND	ND	540	ND
	2Q07	180	20		ND	1	ND	ND	380	ND
	3Q07	1,200	23		ND	1	0	ND	300	ND
	4Q07	FS	30	500	ND	1	0	ND	680	ND
	1Q08	150	4	190	2	ND	ND	25	ND	ND
MW-19-1	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	100	ND		1.4	ND	ND	32.4	ND	NS
	3Q04	49	3.2 J		3.9	ND	ND	35.3	ND	NS
	1Q05	43	ND	404	2.1	ND	ND	27.9	ND	NS
	2Q05L	410	16.4		2.9	ND	ND	34.1	ND	NS
	2Q05U	350	3.2 J		2.8	ND	ND	32.9	ND	NS
	3Q05	53	9.2 J		4.1	ND	ND	39	ND	NS
Dilution factor for Nitrate 2	4Q05	240	12.4		4.6	ND	ND	44.2	ND	NS
MW-19-2	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10	6.0 J		ND	ND	ND	33.6	1600	NS
	3Q04	87	6.0 J		0.87	ND	ND	23.9	280	NS
	1Q05	110	5.2 J		0.093 J	0.13 J	ND	69.4	26	NS
	2Q05L	160	11.6 J		0.62	0.17 J	ND	29.6	ND	NS
	2Q05U	150	ND		0.64	ND	ND	29.3	ND	NS
	3Q05	8	3.2 J		1	0.12 J	ND	27.2	120	NS
	4Q05	220	ND		0.78	ND	ND	60.3	35	NS
	4Q05D	92	ND		0.6	ND	ND	62.1	49	NS
MW-19-4	1Q06	12	ND		2.4	ND	ND	37.4	ND	NS
	2Q06	520	8.4 J		2.8	ND	ND	45.8	ND	ND
Dilution factor for Nitrate 5	3Q06	85	ND		4.8	ND	ND	50.9	ND	ND
Dilution factor for Nitrate 5	3Q06D	92	ND		4.9	ND	ND	50.1	ND	ND
	4Q06	29	ND		3	ND	ND	47.1	ND	ND
	1Q07	54	3	340	1.7	ND	ND	37	ND	ND
	2Q07	110	1.4		1.7	ND	ND	29	ND	ND
	3Q07	160	1.2		1.8	ND	ND	40	ND	ND
	3Q07D	160	ND		1.8	ND	ND	40	ND	ND
	4Q07	FS	1.3		2.6	ND	ND	38	ND	ND
	4Q07D	FS	ND		2.6	ND	ND	38	ND	ND
	1Q08	270	1.2		1.8	ND	ND	24	ND	ND
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q04	180	14		0.06 J	ND	ND	15.7	2100	NS
	1Q05	380	3.6 J	174	0.49	ND	ND	15.8	34	NS
	2Q05L	3000	3.6 J	177	ND	ND	ND	12	380	NS
	2Q05U	100	3.6 J	141	0.43	ND	ND	8.7	ND	NS
	3Q05	69	6.8 J	463	ND	ND	ND	7.7	1700	NS
	4Q05	58	ND	144	0.38	ND	ND	12.8	3.8 J	NS
	1Q06	12	ND	287	0.97 J	ND	ND	11.2	290	NS
	2Q06	22	9.2 J	190	0.19	ND	ND	14.2	150	ND
Dilution factor for Methane 10	3Q06	30	ND	275	0.12	ND	ND	10.2	700	ND
Dilution factor for Methane 10	4Q06	620	ND	236	0.1	ND	ND	10.9	640	ND
	1Q07	240	7	340	ND	0.51	ND	ND	500	0.011
	2Q07	91	18	350	ND	0.13	ND	ND	570	ND
Dilution factor for Methane 4	3Q07	110	7.8	360	ND	ND	ND	ND	840	ND
	4Q07	FS	5.1	240	0.13	0.14	0.12	7.8	370	ND
	1Q08	380	1.9	120	0.16	ND	ND	7.2	ND	ND
	1Q08D	170	1.8	120	0.15	ND	ND	7.2	ND	ND

TABLE 3

Through 1st Quarter 2008

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

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	35	10.4 J		1.6	ND	ND	37.3	140	NS
	3Q04	110	18.8		1.1	ND	0.062	38.3	140	NS
	1Q05	82	11.2 J		1.7	ND	ND	44	130	NS
	2Q05[L]	23	18		1.3	0.29 J	ND	33.5	44	NS
	2Q05[U]	160	ND		1	ND	ND	32.7	96	NS
	3Q05	90	40.8		1.1	ND	ND	35	38	NS
	4Q05	43	10.8 J		3.5	ND	ND	47.8	43	NS
	1Q06	14	4.4 J		1.8	ND	ND	36.6	50	NS
	2Q06	14	ND		2	ND	ND	38.3	44	ND
	2Q06D	15	ND		2	ND	ND	37.7	45	ND
	3Q06	75	4.4 J		2.6	ND	ND	37.1	32	ND
	4Q06	240	ND		2.3	ND	ND	38.3	31	ND
	1Q07	62	5.3	490	2.4	ND	ND	34	21	ND
	2Q07	70	8.7		2.9	ND	ND	48	230	ND
	3Q07	100	2.6		2	ND	ND	40	68	ND
	4Q07	FS	3.2		2.3	ND	ND	36	87	ND
	1Q08	120	2.6		1.1	ND	ND	28	78	ND
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	110	6.8 J		0.21	ND	ND	47.2	5200	NS
	2Q04D	88	9.2 J		0.21	0.15 J	ND	37.3	5400	NS
	3Q04	2000	4.4 J		1.5	ND	ND	64.4	2400	NS
Dilution factor for Methane 250	1Q05	75	6.0 J		3.2	ND	ND	29.1	10000	NS
Dilution factor for Methane 250	1Q05D	77	7.2 J		3.2	ND	ND	30.5	11000	NS
	2Q05[L]	32	54	472	ND	0.50 J	0.45	ND	13000	NS
	2Q05[U]	41	48	481	ND	0.35 J	0.32	ND	10000	NS
	3Q05[L]	17	45.6		ND	ND	0.3	19.2	2900	NS
	3Q05[U]	17	31.6		0.22	0.29 J	0.1	25.7	1600	NS
Dilution factor for Methane 250	4Q05	16	32		0.16	0.5	0.23	8.9	7700	NS
	1Q06	14	33.2		ND	ND	0.3		10000	NS
	1Q06D	10	36.8		ND	ND	0.3		10000	NS
Dilution factor for Methane 200	2Q06	68	16.8		0.87	ND	0.16	12.9	11000	ND
Dilution factor for Methane 100	3Q06	79	9.2 J		2.1	ND	0.15	15.1	8600	ND
Dilution factor for Methane 100	4Q06	600	4.4 J		3.4	ND	ND	31.3	5600	ND
Dilution factor for Methane 4	1Q07	38	18	420	0.59	ND	0.31	11	1200	ND
Dilution factor for Methane 5	1Q07D	40	19	440	0.69	ND	0.31	12	1300	ND
	2Q07	130	4.4		0.25	ND	ND	12	530	ND
	3Q07	890	1.8		0.39	ND	ND	16	120	ND
	4Q07	FS	2.2		2.6	0.23	ND	21	170	ND
	1Q08	180	6.7		3.2	ND	ND	24	300	ND
MW-19-8	2Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	45	14.4		ND	ND	0.15	22.8	79	NS
	3Q04	15	7.2 J		ND	0.24 J	0.12	11.5	790	NS
Dilution factor for Methane 5	1Q05	91	25.2		ND	ND	0.18	16.3	510	NS
	2Q05	270	20		ND	ND	ND	23.7	5.3	NS
	3Q05	ND	8.8 J	876	0.33	0.26 J	ND	20.3	74	NS
	4Q05	210	4.4 J		0.88	ND	ND	24.6	24	NS
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	210	6.0 J		0.14	0.33 J	ND	18.2	1300	NS
	3Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4Q05	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	34	6.8 J		ND	ND	ND	18	2.6 J	NS
	3Q04	18	10.4 J		ND	ND	ND	19.2	3.3 J	NS
	3Q04D	22	10.8 J		ND	0.24 J	ND	17.9	2.9 J	NS
	1Q05	29	5.2 J		ND	ND	ND	16.9	74	NS
	2Q05[L]	170	32.4		ND	ND	ND	18.1	48	NS
	2Q05[U]	93	32		ND	0.12 J	ND	18.3	48	NS
	3Q05	26	10.4 J		ND	ND	ND	16	ND	NS
	4Q05	56	17.2		ND	ND	ND	15.3	3.2 J	NS

TABLE 3

Through 1st Quarter 2008

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

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-19-11	1Q05	940	4.8 J		2.2	ND	ND	65.6	9.9	NS
	2Q05[L]	NS	64	731	ND	0.42 J	ND	18	930	NS
	2Q05[U]	14	27.2		ND	ND	ND	17.2	1200	NS
	3Q05	63	106		ND	ND	0.11	21.5	26	NS
Dilution factor for Methane 10	4Q05	80	15.2		ND	0.32 J	ND	25.5	440	NS
MW-19-12	2Q06	4000	11.2 J		0.048 J	ND	ND	15.1	4.8 J	ND
Dilution factor for Methane 5	3Q06	170	6.4 J		0.36	ND	ND	22.9	170	ND
	4Q06	2	4.4 J		0.22	ND	ND	21.3	130	ND
	4Q06D	2	ND		0.17	ND	ND	21.8	130	ND
	1Q07	4	5.5	400	0.56	0.12	ND	20	ND	ND
	2Q07	55	ND	240	0.93	ND	ND	13	ND	ND
	2Q07D	8	ND	270	0.93	ND	ND	13	ND	ND
	3Q07	73	ND	290	0.89	ND	ND	13	ND	ND
	4Q07	FS	3	260	0.9	ND	ND	11	ND	ND
	1Q08	9	ND	160	0.84	ND	ND	5.7	ND	ND
MW-25R	2Q06	1100	18.8	340	ND	0.24 J	ND		140	ND
	3Q06	>5700	279	329	ND	0.24 J	0.14		30	ND
	4Q06	1000	16.8	331	ND	ND	ND	6.2	25	ND
	1Q07	240	49	300	ND	0.12	ND	ND	29	ND
	2Q07	>5700	100	340	ND	0.15	ND	5.9	33	ND
	2Q07D	>5700	100	350	ND	0.11	ND	6.4	32	ND
	3Q07	>5700	10	260	ND	ND	ND	14	ND	ND
	4Q07	FS	490	380	ND	0.41	0.43	10	ND	ND
	1Q08	>5700	140	360	ND	0.13	0.17	5.4	55	ND
MW-27s	2Q06	NR	5180	630	ND	0.26 J	4.8	43.3	20	ND
	3Q06	>5700	3850		ND	ND	1.4	108	3.7 J	ND
	4Q06	>5700	166		0.16	ND	0.82	116	2.3 J	ND
	1Q07	>5700	580		ND	ND	0.19	91	ND	ND
	2Q07	>5700	48		ND	ND	3.5	97	ND	ND
	3Q07	270	150		ND	ND	0.12	84	ND	ND
	4Q07	FS	260		0.16	0.45	ND	87	22	ND
	1Q08	>5700	850		0.65	ND	0.74	78	ND	ND
MW-28s	2Q06	6	35.2	350	ND	0.35 J	0.25		3100	ND
Dilution factor for Methane 200	3Q06	1,300	22	460	ND	0.26 J	0	ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	22	468	ND	ND	0		3,100	ND
Dilution factor for Methane 100	4Q06	1	25	347	ND	ND	0		4,400	ND
	1Q07	460	180	350	ND	ND	0	ND	170	ND
	1Q07D	230	93	360	ND	ND	0	ND	810	0
Dilution factor for Methane 10	2Q07	78	49	400	ND	0	0	ND	1,600	ND
Dilution factor for Methane 4	3Q07	ND	50	350	ND	ND	0	ND	1,100	ND
Dillution for Methane is 40	4Q07	320	42	330	ND	0	0	ND	1,900	ND
	1Q08	80	31	250	ND	0	0	ND	570	ND
MW-28I										
Dilution factor for Methane 10	2Q06	290	28	367	0.047 J	ND	0.22		1900	ND
Dilution factor for Methane 100	3Q06	>5,700	42.8	338	ND	ND	0.19		1500	ND
Dilution factor for Methane 100	4Q06	440	15.6	335	ND	ND	0.22		1500	ND
	1Q07	110	34	380	0.1	0.2	0.35	ND	410	ND
Dilution factor for Methane 4	2Q07	24	23	330	ND	0.27	0.29	ND	710	ND
	3Q07	37	37	300	ND	0.28	0.27	ND	560	ND
	4Q07	160	34	360	ND	0.47	0.64	5.1	370	ND
	1Q08	ND	25	290	ND	0.37	0.29	ND	170	ND
MW-29s	2Q06	250	58.8		ND	11.9	0.45		1200	ND
Dilution factor for Methane 250	3Q06	>5700	54		ND	9.9	0.32		5000	ND
Dilution factor for Methane 100	4Q06	190	35.6		ND	8.3	0.29		5200	ND
	1Q07	30	41		0.14	7.5	0.34	ND	450	0.0084
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND	1000	ND
Dilution factor for Methane 10	3Q07	1900	54		ND	8.1	0.4	ND	2500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3100	0.014
Dillution for Lead 5	1Q08	93	60		ND	7.5	0.34	ND	2000	ND
Dillution for Lead 5	1Q08D	120	38		ND	7.6	0.35	ND	1800	ND

TABLE 3

Through 1st Quarter 2008

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

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate[1]	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY STANDARDS CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005[2]
MW-30s	2Q06	2200	75.6	348	ND	0.86	0.17	5.2	3800	ND
Dilution factor for Methane 200	3Q06	>5700	132	457	ND	0.89	0.32	ND	2500	ND
Dilution factor for Methane 100	4Q06	>5700	147	448	ND	1.1	0.24	5.5	6500	ND
Dilution factor for Methane 10	2Q07	>5700	650	350	ND	0.94	1.6	ND	1800	ND
Dilution factor for Methane 4	3Q07	>5700	220	440	ND	1	0.34	ND	1700	ND
Dilution factor for Methane 4	3Q07D	>5700	180	400	ND	1.1	0.33	ND	1500	ND
Dilution factor for Methane 10	4Q07	>5700	120		ND	1.3	0.22	ND	1900	ND
Dilution factor for Methane 4	1Q08	1,100	2,300	410	ND	1	1	ND	1,300	ND
MW-30i	2Q06	>5700	18.8	369	ND	1.8	0.15	8.2	1100	ND
Dilution factor for Methane 100	3Q06	290	41.6	414	ND	0.83	0.23		1200	ND
Dilution factor for Methane 50	4Q06	40	17.2	456	ND	0.89	0.24	11.1	930	ND
Dilution factor for Methane 50	4Q06D	43	41.2	478	ND	ND	0.23	11.1	930	ND
Dilution factor for Methane 4	2Q07	36	34	300	ND	0.8	0.31	ND	680	ND
	3Q07	ND	41	430	ND	1	0.33	ND	97	ND
	4Q07	470	69		ND	1.1	0.45	ND	ND	ND
	1Q08	2	33	410	ND	1.2	0.34	ND	370	ND
MW-30d	2Q06	2800	11.6	248	ND	0.30 J	ND	9.7	45	ND
	3Q06	>5700	6.4 J	288	0.043 J	ND	ND	10.6	5.3	ND
	4Q06	47	5.6 J	375	ND	ND	ND	13	22	ND
	2Q07	130	13	240	ND	0	ND	10	77	ND
	3Q07	78	9	260	ND	0	ND	11	ND	ND
	4Q07	FS	20	300	ND	0	0	11	ND	ND
	4Q07D	FS	20	270	ND	0	0	11	ND	ND
	1Q08	790	8	300	ND	0	ND	9	47	ND
GEI-2S	3Q07	66	8	460	2	ND	ND	25	490	ND
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	5	ND		ND	ND	ND		ND	NS
	1Q06	2	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	ND	ND	ND	ND	ND		ND	ND*
	3Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	1	ND	ND	ND	ND	ND	ND	22	ND*
	2Q07	ND	ND	19	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
Rinsate Blank	1Q05	36	ND	ND	ND	ND	ND	ND	ND	NS
	3Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	4Q05	ND	ND	ND	ND	ND	ND	ND	ND	NS
	1Q06	ND	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	120	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q06	250	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	45	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q06	84	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	56	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q07	1	ND	2.5	ND	ND	ND	ND	ND	ND*
	2Q07	2	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*

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

(1) Sulfate results reported through 4Q06 have a dilution factor of 5, except for blank samples or unless otherwise noted. Starting 1Q07, there is no dilution factor for sulfate unless noted otherwise.

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

NCS: No Criteria Specified by NJDEP

NS = Not Sampled

FS= Samples frozen in transit to lab.

ND = Not Detected

L Lower Grab Sample

U Upper Grab Sample

* Total Lead

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

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-19	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.97	7.23	24	890	2	13.94	NM	160	70
	3Q04	0.1	7.62	-10	1179	2	16.18	<10	200	95
	1Q05	0.2	7.67	100	590	5	11.82	9	241(1)	121
	2Q05L	1	7.84	NM	734	10	8.6	0.3	30	<10
	2Q05U	1	7.69	NM	760	10	8.46	0.4	29	<10
	3Q05	1	7.03	185	1920	9	15.86	>10	110	60
	4Q05	5.34	6.47	87	1005	4	15.01	>10	110	18
	1Q06	3.53	6.59	-50	978	13	8.72	>10	11	>100
	2Q06	4.92	7.66	-43	905	9	13.98	>10	225	60
	3Q06	0.34	7.08	-24	761	5	16.2	18	100	90
	4Q06	0.08	6.53	-76.7	579	7	15.36	>10	275	70
	1Q07	0.15	6.59	-90.3	444	5	10.38	20	250	35
	2Q07	0.05	6.69	-56	1640	2.5	13.7	>20	100	120
	3Q07	0.1	6.59	-94	1201	2	17.05	>20	200	80
	4Q07	0.2	6.36	5	865	5.1	12.54	>20	225	40
	1Q08	0.6	6.4	111.7	214.2	5	8.55	0.1	40	14
MW-19-1	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	13.9	7.22	180	1373	10	13.9	NM	125	17
	3Q04	1	7.50	80	1910	10	18.49	0.2	90	28
	1Q05	1	7.80	213	676	10	11.49	0	152(1)	30
	2Q05L	0.8	7.60	NM	2540	22	9.15	0.2	75	<10
	2Q05U	1	7.67	NM	2540	10	8.5	0.1	90	<10
	3Q05	1	7.22	208	2260	20	15.23	0.1	100	10
	4Q05	6.54	7.06	291	1149	36	16.70	0.1	45	<10
MW-19-2	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	4.45	7.30	83	1199	6	13.97	NM	210	60
	3Q04	5	7.45	59	1830	9	16.97	2	130	15.5
	1Q05	1	7.30	249	825	10	11.02	0	395(1)	63
	2Q05L	0.8	7.80	NM	1312	29	7.76	0.1	100	<10
	2Q05U	0.8	7.76	NM	1316	10	8.00	0.1	100	10
	3Q05	1	7.59	204	1980	3	14.87	1	100	10
	4Q05	4.75	6.79	290	1442	1	16.50	0.2	105	15.5
MW-19-4	1Q06	7.62	7.53	-64	1351	14	5.61	0.6	12	>50
	2Q06	6.53	7.74	116	1442	22	13.93	0.2	100	17
	3Q06	2.93	7.43	92	1335	9	18.68	0	10	19
	4Q06	4.03	7.69	172	886	10	16.67	0	150	22
	1Q07	2.01	6.95	105	418	17	11.71	0	125	11
	2Q07	0.8	6.74	-1	1800	7.8	14.59	0.1	75	16
	3Q07	0.4	7.16	45	1187	10	17.68	0.05	125	26
	4Q07	0.6	7.57	216	1385	6	12.58	0	50	20
	1Q08	4	7.02	73.1	938.5	9	7.98	0	100	13
MW-19-5	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	10.16	7.02	41	1550	4	12.89	NM	130	70
	3Q04	1	7.26	87	1740	19	16.3	2	150	60
	1Q05	1	7.94	226	269	9	10.59	0	126(1)	63
	2Q05L	1	7.94	NM	2640	10	8	0	45	16
	2Q05U	0.8	7.99	NM	2100	38	6.96	0	45	10.5
	3Q05	0.8	7.44	184	920	2	15.15	>10	100	35
	4Q05	1.84	6.27	217	216	10	15.15	0.1	30	11
	1Q06	3.35	6.35	249	512	3	8.17	0	12	>100
	2Q06	6.79	7.50	36	327	5	14.4	0.3	90	27
	3Q06	2.87	7.45	143	406	10	16.38	0	100	22
	4Q06	6.3	7.55	184	347	6	14.49	0.4	145	32
	1Q07	0.16	6.53	14.2	370	4	10.08	1	175	16
	2Q07	0	7.04	-36	539	6.8	14	>20	190	70
	3Q07	0.1	7.09	36	530	5	16.18	1	160	65
	4Q07	1.6	6.17	45	311	3.6	12.59	0.4	130	30
	1Q08	1.83	6.28	108.1	125.5	12	6.14	0.1	35	15
MW-19-6	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.48	6.86	56	2640	10	15.24	NM	80	33
	3Q04	1	7.43	83	2490	4	16.61	0.4	125	20
	1Q05	1	7.73	241	867	12	11.79	0	204(1)	41
	2Q05L	1	7.50	NM	1870	27	10.64	0.1	75	15
	2Q05U	1	7.48	NM	1790	2	9.89	1	80	20
	3Q05	1	7.28	191	3030	36	15.2	0.4	70	20
	4Q05	5.39	5.86	307	1550	9	14.76	0	80	10.5
	1Q06	3.71	6.60	237	1116	4	9.93	0	12	>100
	2Q06	6.61	7.53	35	1520	5	13.51	0.2	125	23

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

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-19-6	3Q06	4.48	7.44	162	1249	9	16.11	0	100	24
	4Q06	4.7	7.47	207	941	8	15.45	0	70	40
	1Q07	1.16	6.82	69.5	602	8	11.38	0.2	90	16
	2Q07	1	6.69	-35	2720	5.6	14.36	0.1	140	50
	3Q07	0.8	7.16	12	1458	4	17.3	0.6	160	42
	4Q07	2	7.44	51.4	1283	5.9	12.92	0.3	25	17
	1Q08	1	6.52	91.2	854.4	6	10.71	0.4	100	20
MW-19-7	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	5.89	6.82	48	380	6	14.34	NM	95	90
	3Q04	1	6.92	113	4040	2	16.77	1	75	70
	1Q05	0.6	7.16	281	1388	1	11.34	3	200(1)	63
	2Q05L	0.05	7.82	102	938	25	11.7	15	160	36
	2Q05U	1	7.80	NM	961	49	11.22	15	200	29
	3Q05L	0.8	7.03	90	2670	17	14.76	>10	95	0.8
	3Q05U	1	7.02	185	2460	5	16.02	>10	70	35
	4Q05	1.58	5.98	-44	1434	14	14.85	>10	11	30
	1Q06	1.86	6.20	43	1130	14	10.81	>10	>100	>100
	2Q06	3.87	7.41	-33	1284	9	13.28	>10	170	70
	3Q06	0.6	7.28	33	1254	10	15.8	9	200	50
	4Q06	0.44	7.47	204	970	7	15.23	2	185	70
	1Q07	0.12	6.80	-84.3	518	6	11.52	9	175	23
	2Q07	0	6.98	36	1397	4.5	15.68	2	100	38
	3Q07	0.2	7.05	181	1016	5	17.48	0.2	120	38
	4Q07	0.6	6.48	74.2	2126	5.3	12.7	0.2	70	30
	1Q08	1	6.21	105.4	2023	10	9.48	0.3	45	27
MW-19-8	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.98	6.9	-24	2010	10	15.69	NM	125	30
	3Q04	0.4	7.52	48	1093	7	18.29	2	100	19
	1Q05	0.3	7.06	161	177	16	12.92	10	142(1)	28
	2Q05	0.8	7.92	NM	1510	47	10.82	6	70	19
	3Q05	0	7.07	147	1820	2	18.86	3	80	19
	4Q05	6.74	6.10	330	1460	5	17.19	3	85	20
MW-19-9D	1Q04	NS	NS	NS	NS	NS	NS	**	**	**
	2Q04	3.03	7.11	-28	480	63	14.64	**	**	**
	3Q04	0.2	7.40	8	545	35	15.7	**	**	**
	1Q05	1.5	7.14	193	871	267	11.58	**	**	**
	2Q05	0.05	7.91	NM	471	70	12.12	**	**	**
	3Q05	0	7.35	189	552	2	16.4	**	**	**
	4Q05	0.94	5.78	-91	465	1	13.96	**	**	**
MW-19-10	1Q04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2Q04	3.82	6.78	85	1050	7	13.94	NM	80	25
	3Q04	0.1	7.35	107	1498	11	15.56	1.5	65	20
	1Q05	0.15	7.25	285	1039	28	13.19	2	127(1)	20
	2Q05L	0.8	7.47	NM	1209	52	12.18	0.4	70	13
	2Q05U	1	7.48	NM	1282	41	11.18	1	75	13
	3Q05	1	7.62	212	1148	18	16.47	0.6	70	13
	4Q05	9.89	6.73	229	1167	39	15.00	1	60	10
MW-19-11	1Q05	1.5	7.01	215	740	8	10.3	0	205(1)	65
	2Q05L	0.8	7.88	NM	1424	38	12.18	4	110	17
	2Q05U	0.8	7.80	NM	1442	10	12.12	4	90	15
	3Q05	1	7.72	209	1155	77	16.63	1	80	12.5
	4Q05	2.5	6.51	271	1470	10	15.86	0.4	85	15
MW-19-12	2Q06	0.99	7.29	-33	1046	9	16.06	4	120	100
	3Q06	0.21	7.41	5	1460	18	17.9	4	12	17
	4Q06	0.23	7.60	191	1234	10	16.72	3.5	1000	17
	1Q07	0.18	6.91	-39.6	680	8	12.29	1.5	100	10
	2Q07	2	7.24	137	473	5	18.56	0	110	11
	3Q07	2	7.45	118	463	2	19.2	0	85	0
	4Q07	9	7.55	2.7	439	8.1	9.68	0	110	<10
	1Q08	2	6.72	78.4	197.2	2	7.59	0	40	<10
MW-25R	2Q06	0.47	6.77	-102	620	9	14.74	3.5	75	17
	3Q06	0.97	5.57	90.1	572	229	15.67	5	160	350
	4Q06	0.25	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110

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

Well ID	Event	DO (mg/L)	pH	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
MW-25R	1Q08	0.34	7.32	-79	639	47.6	7.87	4.5	150	12.5
MW-27s	2Q06*	1.66	7.74	183	933	>1000	16.65	0	80	<10
	3Q06	0.54	7.72	45	1437	247	19.44	0	200	14
	4Q06	2.36	7.59	134	1275	>1000	16.39	0	<10	20
	1Q07	4	7.15	-10.8	1078	>1000	8.31	NM - sediment	NM - sediment	NM - sediment
	2Q07	8.29	7.09	105.6	765	>1000	15.23	NM - sediment	NM - sediment	NM - sediment
	3Q07	0.4	7.24	27	1017	>1000	17.58	NM - sediment	NM - sediment	NM - sediment
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sediment
	1Q08	1	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sediment
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22
	2Q07	0.48	7.01	-138.3	568	36	15.36	>20	180	35
	3Q07	0.1	7.1	-132.1	576	9.6	16.99	>20	180	50
	4Q07	0.2	6.86	-120.4	634	7.03	11.97	>20	170	22
	1Q08	0.11	7.3	-169	492	11.3	9.22	15	130	20
MW-28I	2Q06	0.23	7.88	-126	756	8	15	>10	135	28
	3Q06	0.51	7.59	-98	649	14	16.42	18	90	27
	4Q06	0.04	7.37	-146.7	598	13	14.82	>20	150	25
	1Q07	0.2	6.80	-173.3	686	4.9	10.7	>20	140	23
	2Q07	0.16	7.07	-170	507	17	14.9	>20	145	24
	3Q07	0.1	7.15	-104.7	536	5.7	16.19	>20	170	30
	4Q07	0.26	6.59	-58.2	677	7.44	11.96	>20	160	20
	1Q08	0.01	6.81	-100.2	400.2	6	10.31	12	135	20
MW-29s	2Q06	3.63	7.32	-32	1021	68	18.45	>10	260	95
	3Q06	0.36	6.73	-109.8	1090	10	20.63	18	310	80
	4Q06	0.05	6.85	-97.9	775	11	17.04	>10	350	65
	1Q07	0.7	6.53	-163.9	902	5.6	8.77	18	240	30
	2Q07	4.03	6.71	-113.8	766	31	18.48	>10	225	25
	3Q07	0.7	6.66	-13.9	881	9.84	21.12	>20	325	100
	4Q07	0.2	7.12	-35	960	8	13.51	>20	285	75
	1Q08	0.21	7.02	-94	1027	9.92	7.87	>10	290	22
MW-30s	2Q06	0.14	6.76	-180	672	34	16.81	>10	78	14
	3Q06	0.39	5.66	73.1	704	155	18.9	18	60	250
	4Q06	0.01	7.09	-146.1	627	94	13.46	>20	200	60
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.34	6.99	-159.4	458	213	18.55	>20	225	40
	3Q07	0.3	7.05	-128.7	696	100	19.15	>20	230	37
	4Q07	0.8	7.45	-50	871	67	7.74	>20	200	43
	1Q08	0.12	7.32	-158	825	113	4.85	>20	NM - sediment	NM - sediment
MW-30I	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
	4Q06	0.2	7.16	-144.2	827	42	14.2	>10	>1000	45
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.33	6.99	-146.8	488	41	15.23	>20	145	25
	3Q07	0.4	7.08	-19.8	661	NM-mtr broke	17.07	>20	200	29
	4Q07	1	7.39	-15	889	138	8.28	>20	200	24
	1Q08	0.13	6.7	-149	784	9.98	8.55	>20	150	18
MW-30d	2Q06	0.3	5.35	-131	449	10	14.45	2	100	30
	3Q06	2.49	7	-44	458	15	15.07	2.5	70	70
	4Q06	0.18	7.29	-99	637	33	13.39	5	130	17
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.38	7.03	-95.7	340	69	14.51	3.5	115	12
	3Q07	0.8	7.24	22.6	401	NM-mtr broke	14.73	3	130	13
	4Q07	0.1	7.05	128	500	80	10.02	0.4	100	<10
	1Q08	0.45	6.8	1	487	16.3	9.19	1.5	130	<10
GEI-2S	3Q07	0.6	6.47	-29.8	586	15	15.28	0	150	30

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

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

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

NS = Not Sampled

NM = Not Measured

L Lower Grab Sample

U Upper Grab Sample

* Well was not stabalized due to well going dry.

Table 5

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

MONITORING WELLS	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	
NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) Rockaway River Catagory 1 FW2-TM(C1)			0.15		530		1,300		NCS		1.2	
PRACTICAL QUANTITATION LIMIT [PQL]			1		2		1		2		3	
HIGHER OF NJSWQS AND PQL			1		530		1,300		2		3	
SW-D-1												
	8-Apr-05	2Q05	<		<	0.20	<	0.20	<	0.60	<	1.00
	26-Jul-05	3Q05	<		<	0.2	J	0.5	<	0.6	<	1.0
	26-Oct-05	4Q05	<		<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<		<	0.2	<	0.2	<	0.6	J	
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<		<	0.2	J	0.2	<	0.6	J	
	9-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0		
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	18-Feb-08	1Q08	<		<	1.0	<	5.0		4.9	<	1.2
SW-D-2												
	8-Apr-05	2Q05		NS		NS		NS		NS		NS
	26-Jul-05	3Q05	<		J	0.5	<	0.2		6.1		
	26-Oct-05	4Q05	<		J	0.6	<	0.2	J	2.0	<	1.0
	27-Feb-06	1Q06	<		J	0.8	<	0.2	J	2.7		
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	J	1.0
	19-Jun-06	2Q06D	<		<	0.2	<	0.2	<	0.6	J	
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	J	
	9-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	J	1.0
	7-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0		
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0		
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<		<	1.0	<	5.0		4.4	<	1.1
SW-D-3												
	8-Apr-05	2Q05	<			21.0	<	0.2		79.0	J	
	26-Jul-05	3Q05	<		<	0.2	<	0.2	J	1.1	J	
	26-Oct-05	4Q05	<		J	0.4	<	0.2	J	1.4	<	1.0
	27-Feb-06	1Q06	<			1.1	<	0.2		3.9	J	
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	J	
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<		<	0.2	<	0.2	<	0.6	J	
	9-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	7-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	J	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
ution factor for DEHP 1.1	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.1
ution factor for DEHP 1.05	18-Feb-08	1Q08	<		<	1.0	<	5.0		3.8	<	1.0
DUP-01	18-Feb-08	1Q08Dup	<		<	1.0	<	5.0		3.8	<	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	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
			ANALYTICAL PARAMETERS									
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) Rockaway River Catagory 1 FW2-TM(C1)			0.15		530		1,300		NCS		1.2	
PRACTICAL QUANTITATION LIMIT [PQL]			1		2		1		2		3	
HIGHER OF NJSWQS AND PQL			1		530		1,300		2		3	
SW-D-4												
	20-Jun-06	2Q06	<		<	0.2	J	0.4	<	0.6	J	
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	J	
	9-Nov-06	4Q06	<		J	0.4	<	0.2	J	0.6	<	0.9
	7-Feb-07	1Q07	<			2.0	<	5.0		3.8		
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		1.0
	4-Dec-07	4Q07	<			1.4	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.08	18-Feb-08	1Q08	<		<	1.0	<	5.0		4.1	<	1.1
SW-D-5												
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	J	
	6-Nov-06	4Q06	<		J	0.2	<	0.2	J	0.8	<	0.9
	7-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	3-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.1	3-Dec-07	4Q07D	<		<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.03	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.0
DRC-2												
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<		J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.0
SW-R-1												
	20-Apr-05[1]	2Q05	<			17.0	J	0.8		99.0	J	
	25-Jul-05	3Q05	<		<	0.2	<	0.2	<	0.6	J	1.0
	27-Oct-05	4Q05	<		<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<		J	0.3	<	0.2	J	1.4	<	0.9
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<		J	0.2	<	0.2	J	1.1	<	1.0
	6-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	3-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
tion factor for DEHP 1.11	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.1

Table 5

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

MONITORING WELLS	ANALYTICAL PARAMETERS											
	SAMPLE DATE	QUARTER	Benzene		Ethylbenzene		Toluene		Total Xylenes		bis-2-Ethylhexylphthalate (DEHP)	
		UNITS	ug/l		ug/l		ug/l		ug/l		ug/l	
NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) Rockaway River Catagory 1 FW2-TM(C1)			0.15		530		1,300		NCS		1.2	
PRACTICAL QUANTITATION LIMIT [PQL]			1		2		1		2		3	
HIGHER OF NJSWQS AND PQL			1		530		1,300		2		3	
SW-R-2												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<		<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-05	4Q05	<		<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<		J	0.5	<	0.2	J	2.3	<	1.0
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<		<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.1
SW-R-3												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<		<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	J	
	6-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<		<	1.0	J	1.1	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0		
	25-Jun-07	2Q07D	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.1
SW-R-4												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<		<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<		<	0.2	<	0.2	<	0.6	<	0.9
	19-Jun-06	2Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<		<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<		<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<		<	1.0	<	5.0	<	3.0	<	
	25-Jun-07	2Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<		<	1.0	<	5.0	<	3.0		
	4-Dec-07	4Q07	<		<	1.0	<	5.0	<	3.0	<	1.0
tion factor for DEHP 1.11	18-Feb-08	1Q08	<		<	1.0	<	5.0	<	3.0	<	1.1

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

MONITORING WELLS	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	
NEW JERSEY SURFACE WATER QUALITY STANDARDS (NJSWQS) Rockaway River Catagory 1 FW2-TM(C1)			0.15		530		1,300		NCS		1.2	
PRACTICAL QUANTITATION LIMIT [PQL]			1		2		1		2		3	
HIGHER OF NJSWQS AND PQL			1		530		1,300		2		3	
SW-R-5												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	***0.2***	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	***1.0***	<	1.0	J	0.4	<	3.0	<	***10.0***
	25-Jun-07	2Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07D	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
SW-R-6												
	27-Feb-06	1Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	***0.2***	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	***10.0***
	25-Jun-07	2Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.1
RINSE BLANK												
RB-01	18-Feb-08	1Q08	<	***1.0***	<	1.0	<	5.0	<	3.0	<	1.0

LEGEND

ug/L = micrograms per liter

NCS: No Criteria Specified

NS = Not Sampled

duplicate = Duplicate sample

Concentration exceeds NJSWQS **38.0**

B: Analyte also detected in blank

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

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

(1) One surface water sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the w

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

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

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

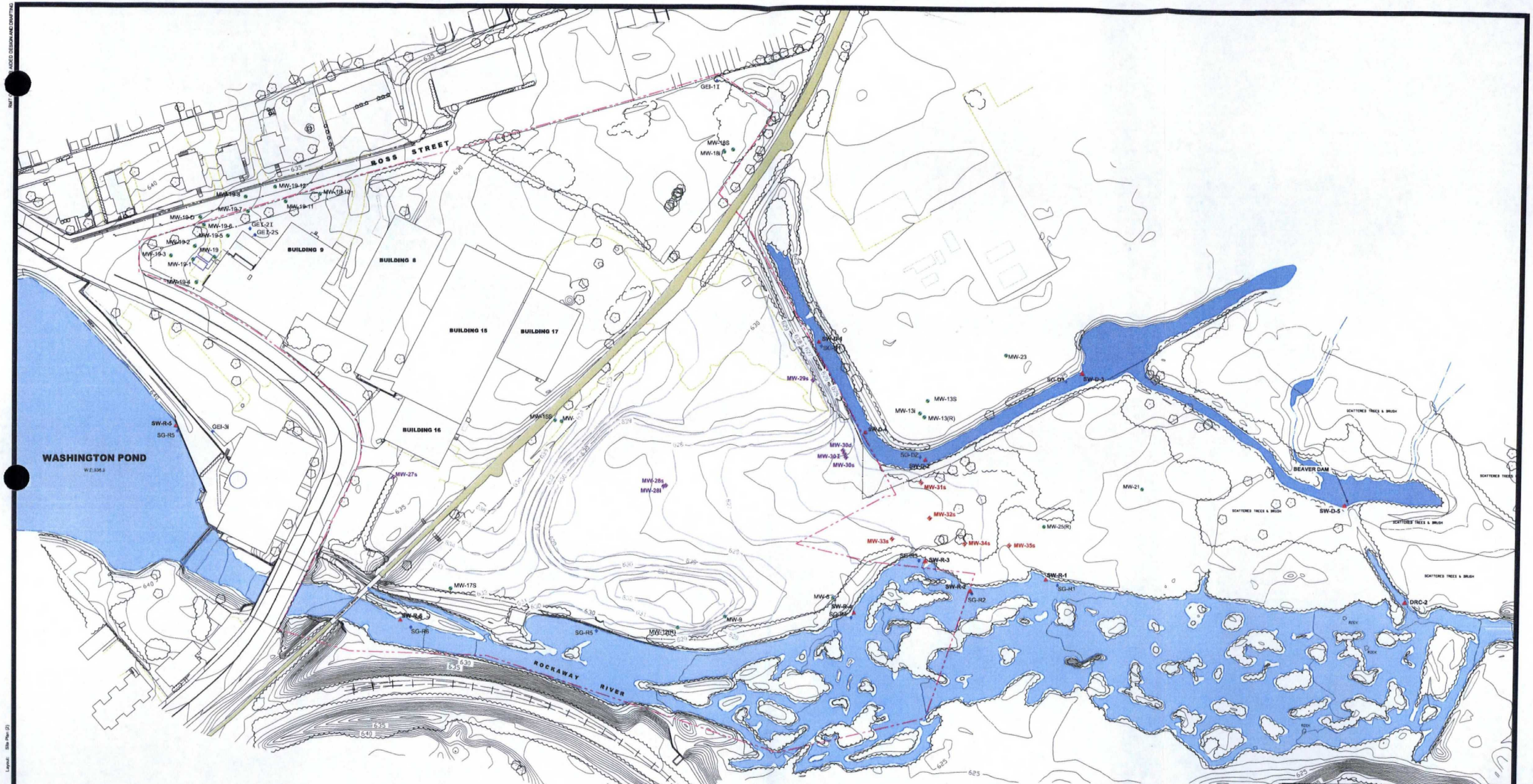
LE CARPENTER
WHARTON, NEW JERSEY

SITE LOCATION MAP
1st QUARTER 2008

DRAWN BY:	SL
APPROVED BY:	JO,JD
PROJECT NUMBER:	6527.24
FILE NUMBER:	6527.24.31.DWG
DATE:	April 2008

FIGURE 1

PLOT DATA
Drawing Name: J:\06527\24\6527.24.31.dwg
Operator Name: Scale: lucidos 1"=2000'
Dwg Size: Plot Date: 95869 Bytes April 2008
Plot Time: Attached Xref's: 11:30.4955 AM No xref's Attached.



LEGEND

- APPROXIMATE PROPERTY LINE
- FENCE LINE
- TREES
- MW-25(R) — MONITORING WELL LOCATION AND NUMBER
- SG-R1 — RIVER POINT SURFACE WATER ELEVATION
- SG-D1 — DRAINAGE CHANNEL POINT SURFACE WATER ELEVATION
- GEI-2I — PIEZOMETER LOCATION
- 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)

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BY JAMES M. STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 31490?REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES

N

0 60' 120' 180' 240'

SCALE IN FEET

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

L.E. CARPENTER
WHARTON, NEW JERSEY

SITE PLAN WITH SAMPLE LOCATIONS
1st QUARTER 2008

DRAWN BY: SL	DRAWING SCALE:	PROJECT NO.	J20652?24
CHECKED BY: JD	SHOWN	FILE NO.	6527.24.42.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 2**	
DATE: March 2008			

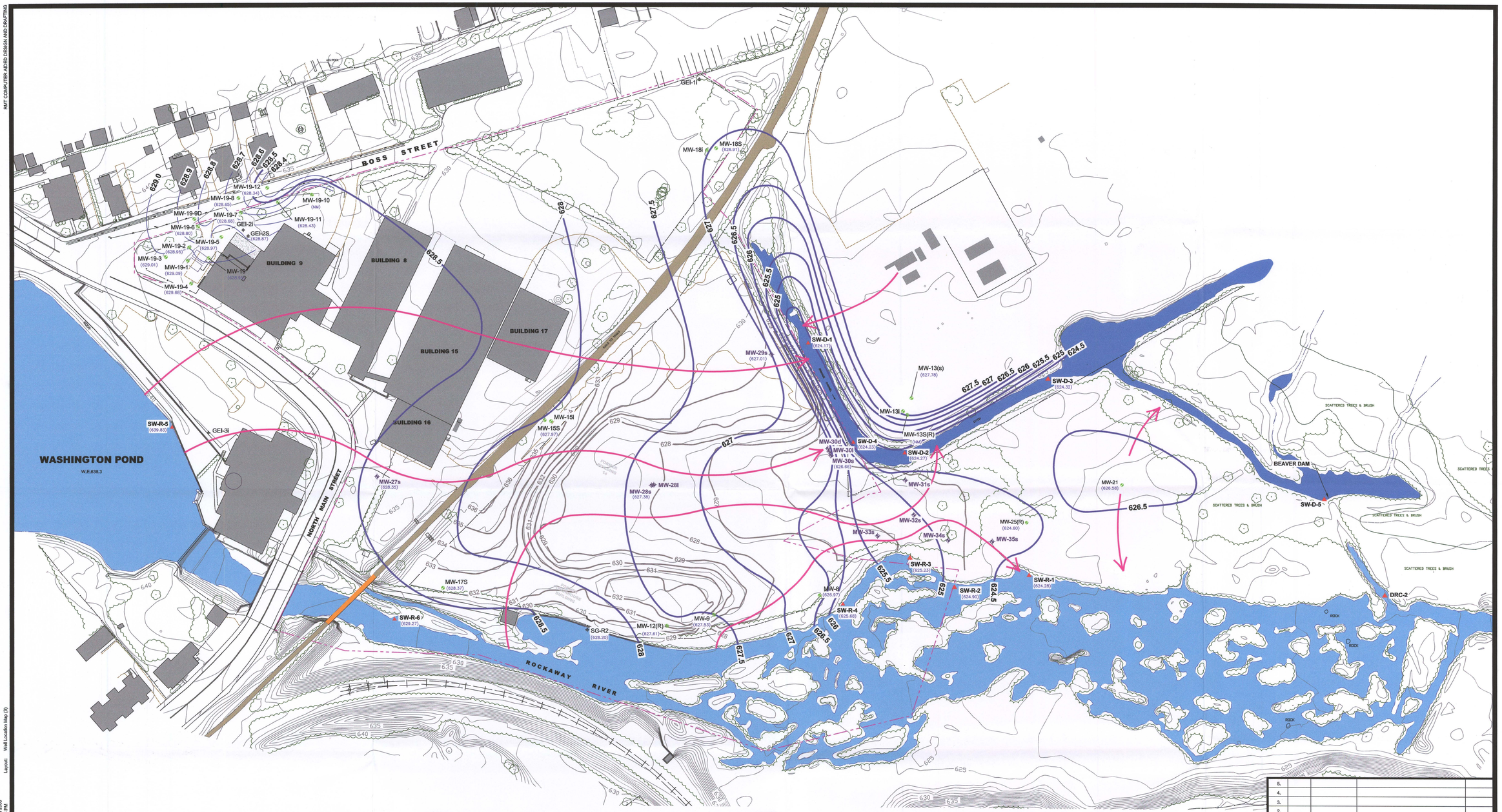
RMT

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

Drawing Name: J20652?24\6527.24.42.dwg
Drawing Author: JJ/CAD/JMF
Drawing Plot Scale: 1:40
Dwg Size: 0.24 Mb
Plot Date: March 5, 2008
Plot Time: 1:40 PM
Layout: Site Plan (2)

RMT | ADVICED DESIGN AND DRAFTING

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)
- SW-R-1 — SURFACE WATER SAMPLING LOCATION (D = DITCH; R = RIVER)
- 626 — SHALLOW GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 3149078EV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES

N

0 60' 120' 180' 240'

SCALE IN FEET

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

L.E. CARPENTER
WHARTON, NEW JERSEY

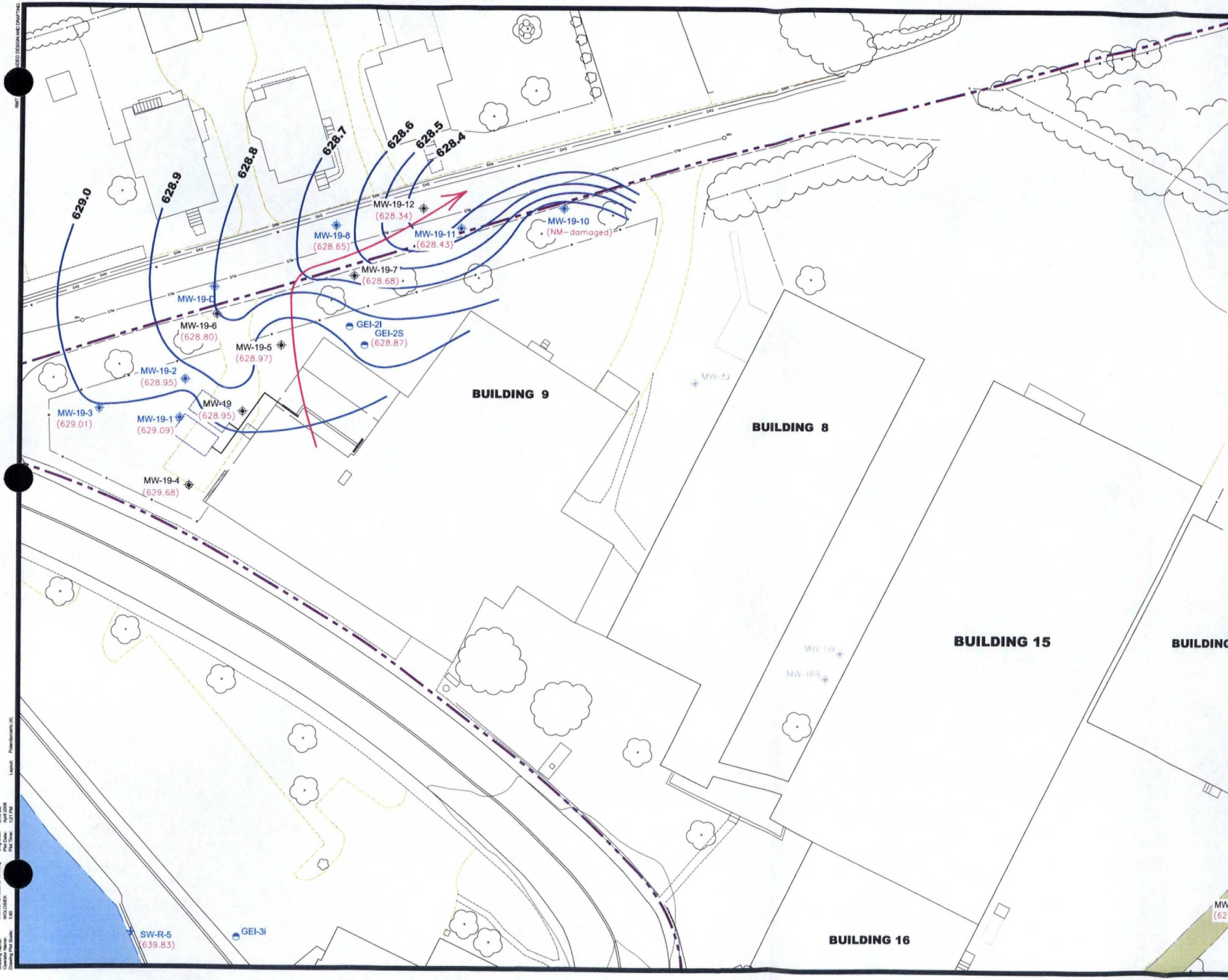
SITE-WIDE SHALLOW GROUNDWATER ELEVATION CONTOURS
1st QUARTER 2008

DRAWN BY:	SL, KW	DRAWING SCALE:	PROJECT NO.	J/06527/24	
CHECKED BY:	EV	SHOWN	FILE NO.	6527,24,53.dwg	
APPROVED BY:	JD	DATE PRINTED:	**FIGURE 3**		
DATE:	April 2008				

RMT

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

Drawing Name: J/06527/24/6527-24,53.dwg
Operator Name: WOLOSIEK
Drawing Plot Scale: 1:40
Dwg Size: 1,24 Mb
Plot Date: April 2008
Plot Time: 3:46 PM
Layout: Well Location Map (3)



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 (628.90) — WELLS SAMPLED DURING FOURTH QUARTER 2007 AND SHOWING SHALLOW WATER LEVEL ELEVATION
- MW-19-11 — WELL WITH MEASURED WATER ELEVATION ONLY
- FENCE LINE
- 626 — GROUNDWATER ELEVATION CONTOUR
- SAN — SANITARY SEWER
- G&W — GAS AND WATER
- STM — REGIONAL STORM SEWER LINE
- W — WATER
- E — ELECTRIC
- MH — MANHOLE
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON FEBRUARY 18, 2008.
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.

N

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

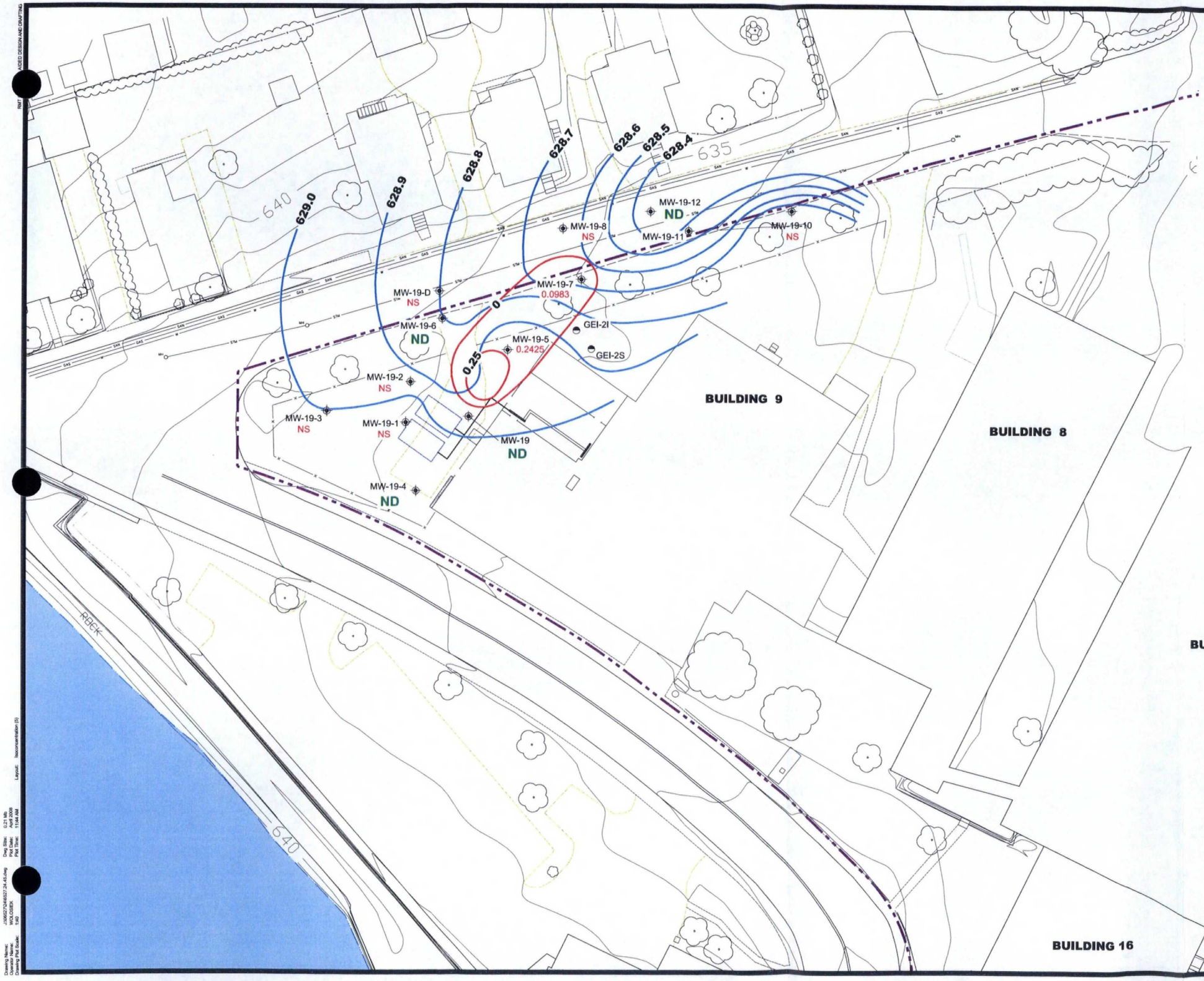
NO.	BY	DATE	REVISION	APP'D.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER GROUNDWATER CONTOUR MAP
1st QUARTER 2008

DRAWN BY: SL	DRAWING SCALE: SHOWN	PROJECT NO.	J:\06527\24
CHECKED BY: EV,JO		FILE NO.	6527.24.54.dwg
APPROVED BY: JD	DATE PRINTED:	**FIGURE 4**	
DATE: April 2008			

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



LEGEND

- APPROXIMATE PROPERTY LINE
- MW-19-7 / 0.576 — MONITORING WELL WITH CORRESPONDING TOTAL DISSOLVED BTEX CONCENTRATION IN PPM (mg/L)
- GEI-2I — QUARTERLY STATIC WATER LEVEL MONITORING LOCATION
- FENCE LINE
- 626 — GROUNDWATER ELEVATION CONTOUR
- SAN — SANITARY SEWER
- G&W — GAS AND WATER
- STM — REGIONAL STORM SEWER LINE
- W — WATER
- E — ELECTRIC
- MH — MANHOLE
- 10 — ISOCONCENTRATION CONTOUR FOR TOTAL MAXIMUM BTEX (ppm) IN GROUNDWATER

NOTES

1. BASE MAP DEVELOPED FROM TOPOGRAPHIC SURVEY PROVIDED BYJAMES M.STEWART, INC. LAND SURVEYORS, DRAWING NO 2793-03.DWG, DATED 02-14-02 AS REVISED 04-10-07 (DRAWING NO. 314907REV.DWG).
2. FORMER BUILDING OPERATIONS
   - BUILDING 9: RAW MATERIAL, DRUM STORAGE, AND PRINTING
   - BUILDING 8: LAMINATION
   - BUILDING 15 and 17: INSPECTION, STORAGE, AND DISTRIBUTION
   - BUILDING 16: OFFICES
3. NS = NOT SAMPLED; ND = NOT DETECTED
4. OVERHEAD POWER LINES ROUGHLY PARALLEL TO SANITARY SEWER, GAS AND WATER LINES.
5. GROUNDWATER ELEVATIONS BASED ON LEVELS MEASURED ON FEBRUARY 18, 2008.

N

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

NO.	BY	DATE	REVISION	APPD.
5.				
4.				
3.				
2.				
1.				

L.E. CARPENTER
WHARTON, NEW JERSEY

MW-19 / HOT SPOT 1 SHALLOW AQUIFER ISOCONCENTRATION MAP
1st QUARTER 2008

DRAWN BY:	SL	DRAWING SCALE:	PROJECT NO. J:\06527\24
CHECKED BY:	EV,JO	SHOWN	FILE NO. 6527.24.45.dwg
APPROVED BY:	JD	DATE PRINTED:	FIGURE 5
DATE:	April 2008		

RMT

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

Drawing Name: J:\06527\24\6527.24.45.dwg
Xref(s): XR06527
Drawing Plot Scale: 1:40
Dwg Date: 0.21 kb
Plot Date: April 2008
Plot Time: 11:44 AM
Layout: Isoconcentration (5)

Appendix A
Report Certification

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

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

Mr. Cristopher R. Anderson

PRINTED NAME

Director, Environmental Services

TITLE

L.E. Carpenter & Company

COMPANY

Cristopher Anderson

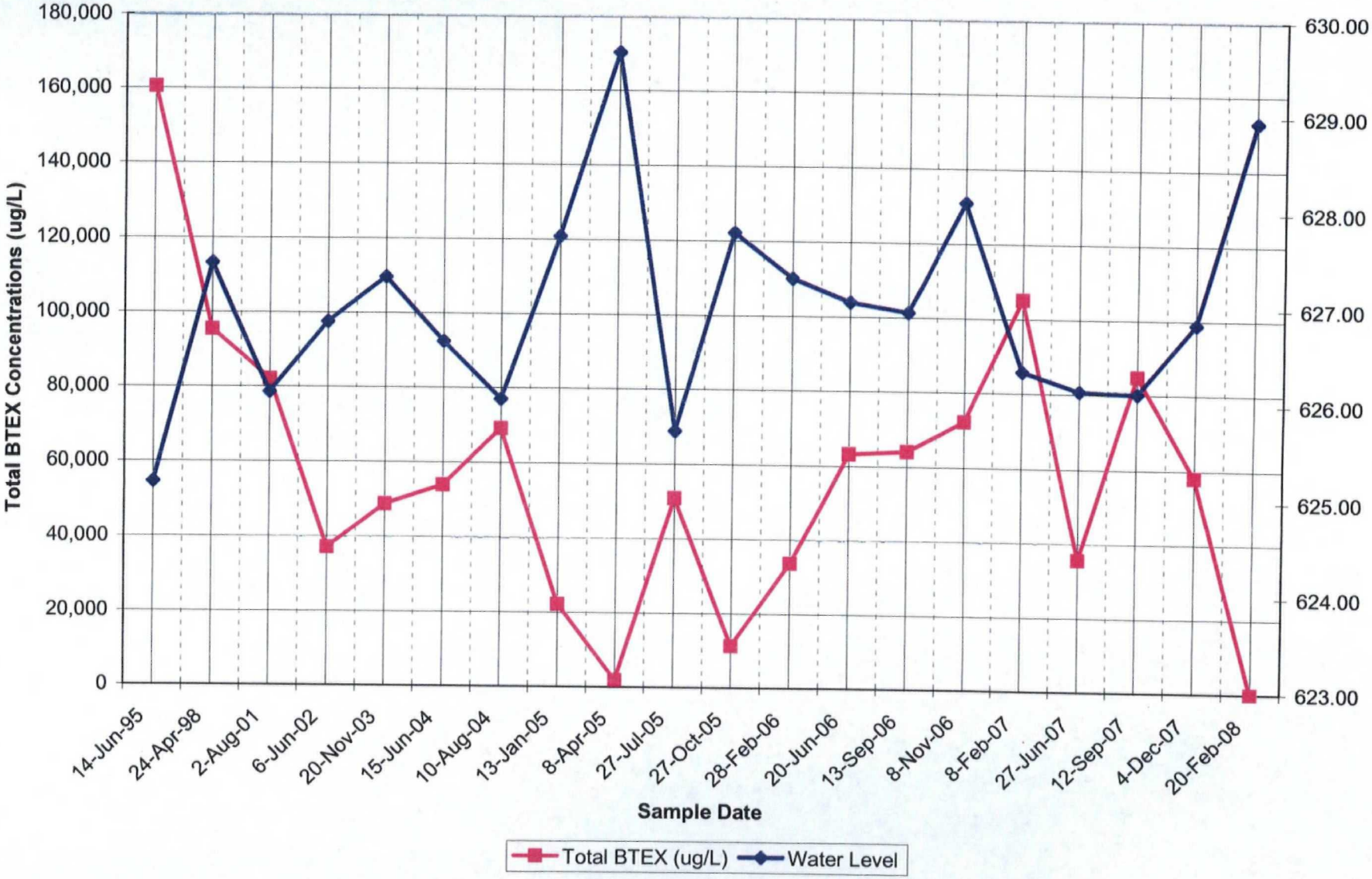
SIGNATURE

4/30/08

DATE

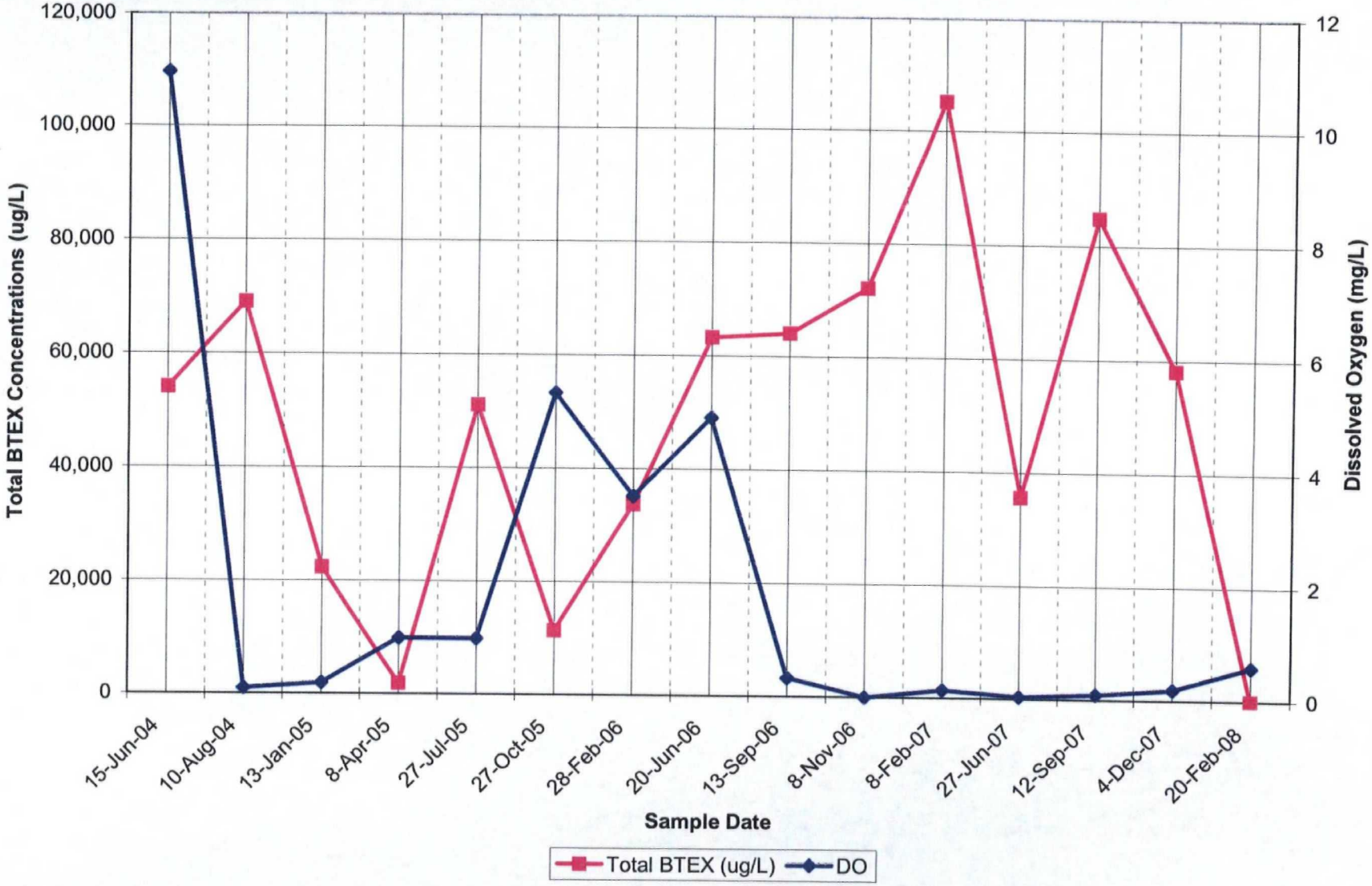
Appendix B
BTEX Concentration Trend Charts

Total BTEX Concentrations vs. Water Levels for MW-19

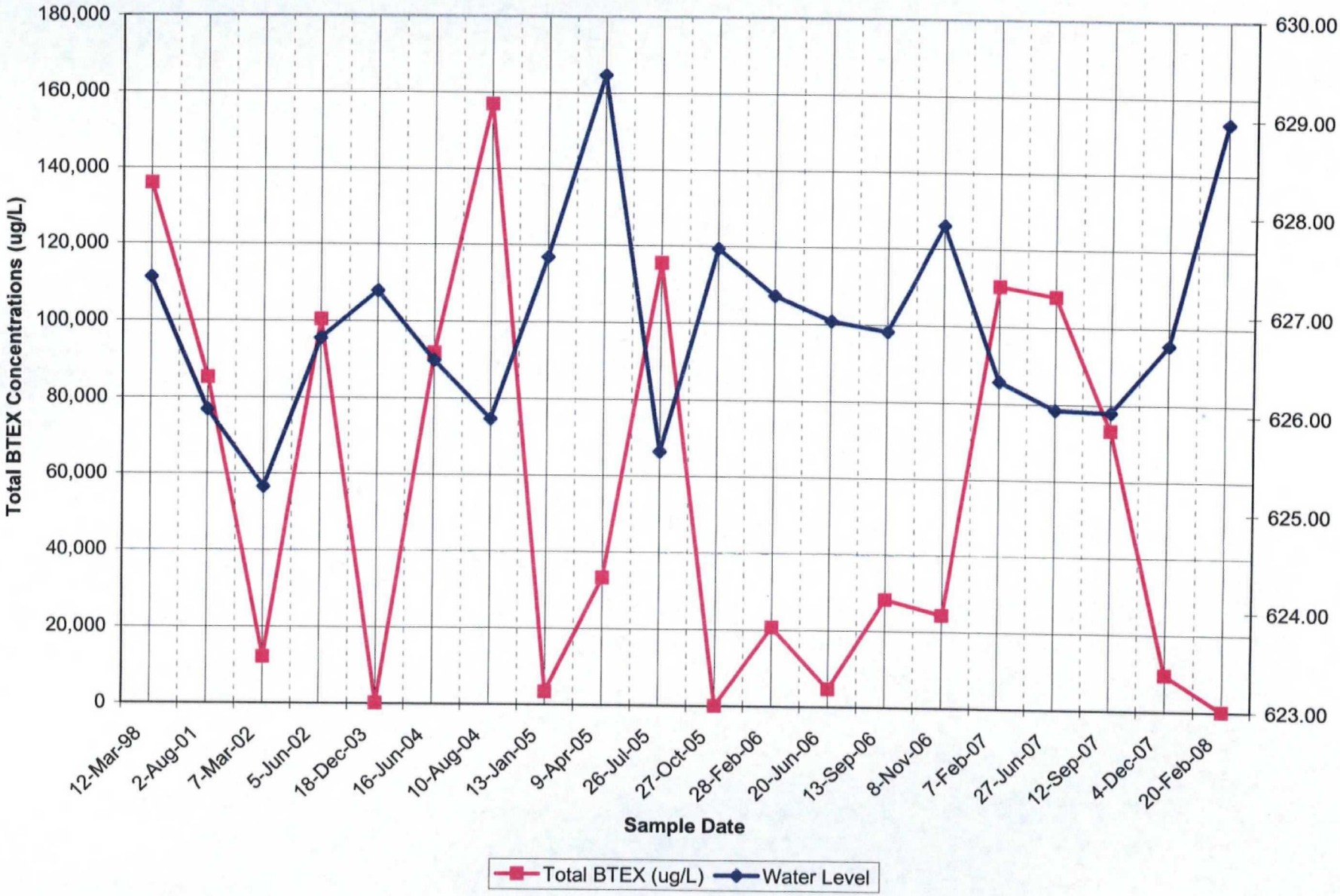


I:\WPGRM\PJT\00-06527\29\Appendix B_1Q08 BTEX Trend Charts.xls

Total BTEX Concentrations vs. Dissolved Oxygen for MW-19

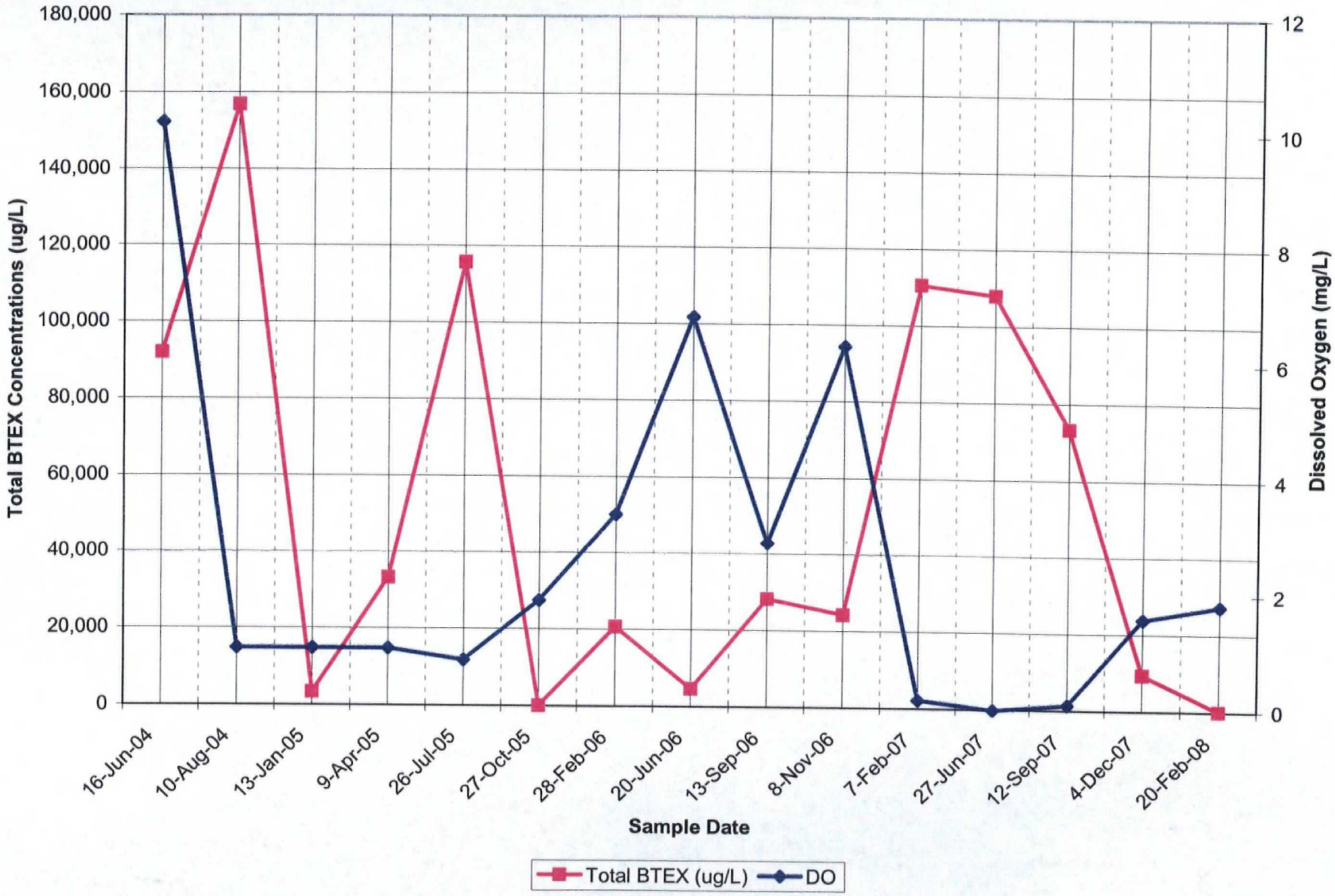


Total BTEX Concentrations vs. Water Levels for MW-19-5



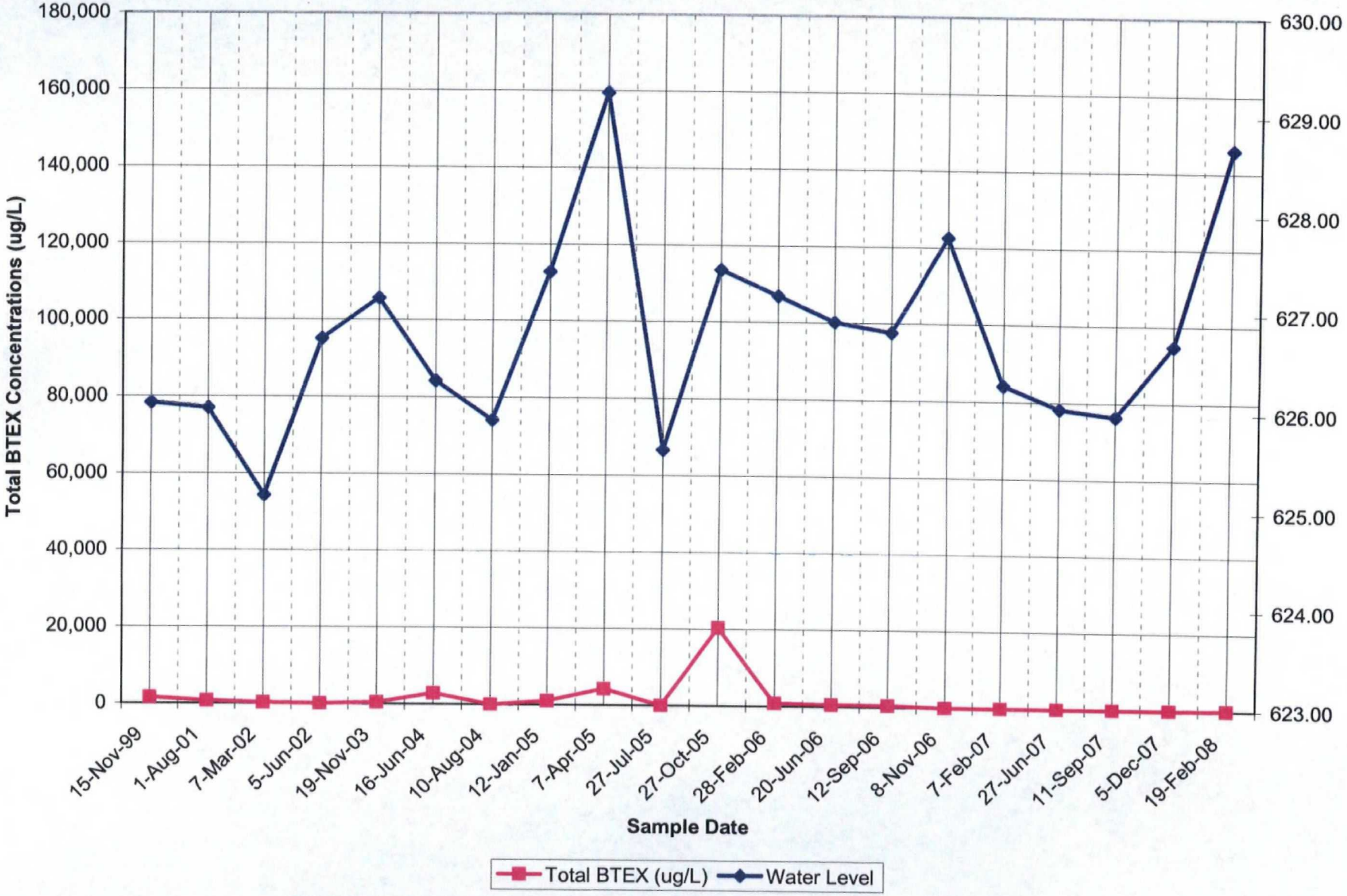
I:\WPGRM\PJT\00-06527\29\Appendix B_1Q08 BTEX Trend Charts.xls

Total BTEX Concentrations vs. Dissolved Oxygen for MW-19-5



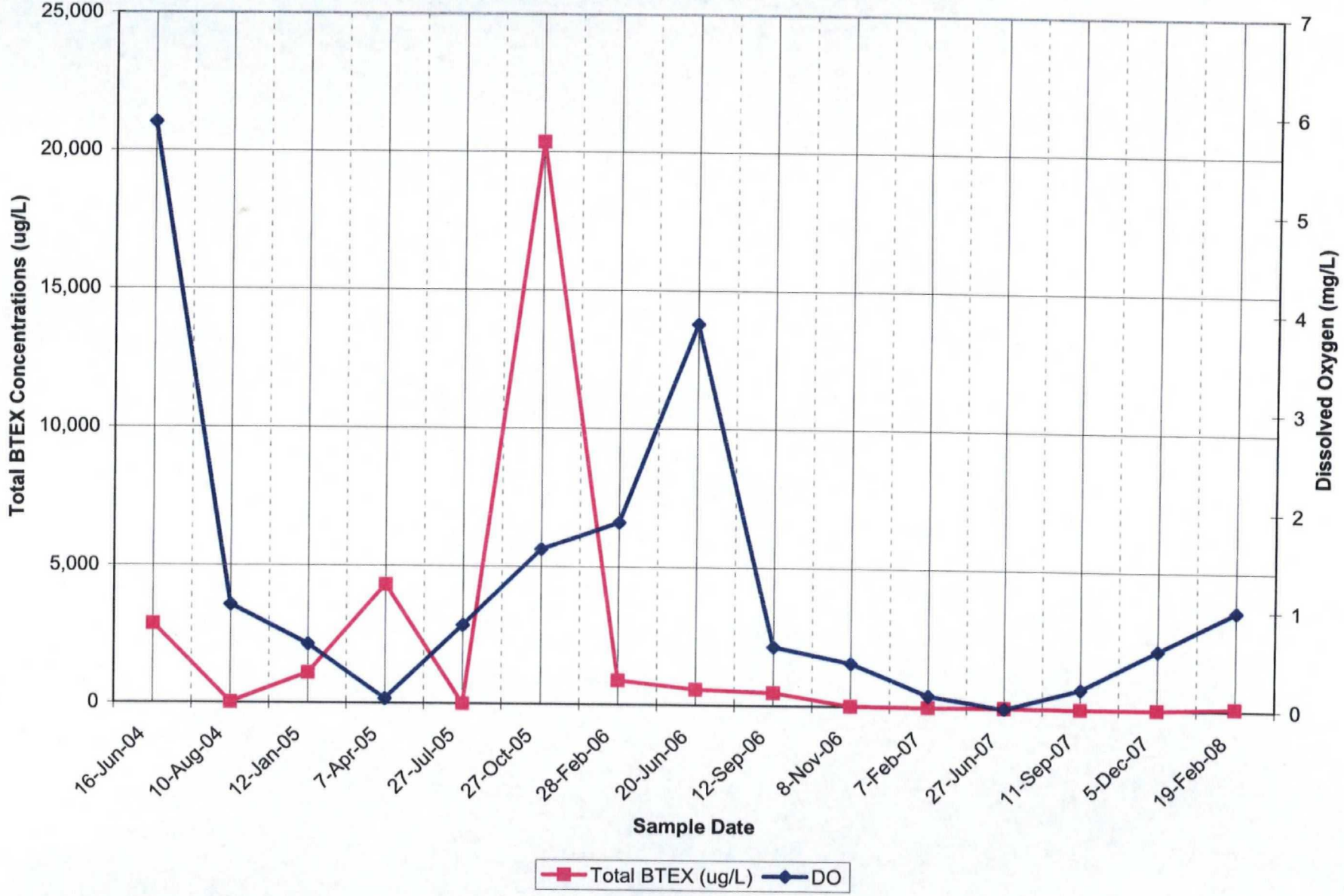
I:\WPGRM\PJT\00-06527\29\Appendix B_1Q08 BTEX Trend Charts.xls

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



I:\WPGRM\PJT\00-06527\29\Appendix B_1Q08 BTEX Trend Charts.xls

Total BTEX Concentrations vs. Dissolved Oxygen for MW-19-7



I:\WPGRM\PJT\00-06527\29\Appendix B_1Q08 BTEX Trend Charts.xls

Appendix C
1st Quarter 2008 Field Data

RMT®

PROJECT NAME:	L. E. Carpenter
PROJECT NUMBER:	6527.29
PROJECT MANAGER:	N. Clevett
SITE LOCATION:	Wharton, NJ
DATES OF FIELDWORK:	2/8/2008 TO 2/21/2008
PURPOSE OF FIELDWORK:	Collect Static Water Levels, Ground and Surface Water Samples
WORK PERFORMED BY:	E. Vincke & S. Pawlukiewicz

E. Vincke 2/21/08
SIGNED DATE
S. Pawlukiewicz 2/21/08

[signature] 3/1/08
CHECKED BY DATE

REVISED 07/2005

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 2/18/08	TIME ARRIVED: 1000
PROJECT NUMBER: 6527.29	AUTHOR: EV/SP	TIME LEFT: 1730

WEATHER

TEMPERATURE: 60 °F WIND: 10-15 MPH VISIBILITY: Overcast / Rain

WORK / SAMPLING PERFORMED

Performed site wide waterlevels.
Collected surface water samples: SW-D-5, DRC-2, SW-R-1, SW-R-2, SW-R-3, SW-R-4, SW-D-4, SW-D-3 (DUP-01), SW-D-2, SW-D-1 (MS/MSD), SW-R-6, SW-R-5, RB-01

Packed & shipped Samples

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME		
D. Condon	L.E. Carpenter	Checked in, told of schedule.

[signature] 2/21/08
SIGNED DATE

[signature] 3/1/08
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 2-19-08	TIME ARRIVED: 0615
PROJECT NUMBER: 6527.29	AUTHOR: EV/SP	TIME LEFT:

WEATHER

TEMPERATURE: 20-30 °F WIND: 5-15 MPH VISIBILITY: Partly Cloudy

WORK / SAMPLING PERFORMED

Sampled (Scott): MW-27s (pumped till dry, sampled @ end of day), MW-19-4, MW-19-12 (MS/MSD), MW-19-6, MW-19-7.

Sampled (Eric): MW-29s (DUP-02), MW-25 (R), MW-30D, MW-30I

Packed + shipped samples

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION

NAME		

S. Pawlekiny 2-21-08
SIGNED DATE

dOverwarde 3/1/08
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 2-20-08	TIME ARRIVED: 0615
PROJECT NUMBER: 6527.29	AUTHOR: EV/SP	TIME LEFT:

WEATHER

TEMPERATURE: 15-20 °F WIND: 5-15 MPH VISIBILITY: Partly Cloudy

WORK / SAMPLING PERFORMED

Sampled (Scott) - MW-19-5 (pup-03), ATM-01, MW-19, MW-28I.
Sampled (Eric) - MW-30S, MW-28S, RB-02, RB-03

Pack & ship samples & equipment.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
MW-30s had pump left in over night & became frozen in.	Used propane dragon to heat outer casing to melt ice.

COMMUNICATION

NAME		

S. Pawlikiewicz 2-21-08
SIGNED DATE

[signature] 3/1/08
CHECKED BY DATE

RMT®

GENERAL NOTES

PROJECT NAME: L. E. Carpenter	DATE: 2-21-08	TIME ARRIVED: 0815
PROJECT NUMBER: 6527.29	AUTHOR: EV/SP	TIME LEFT: 1200

WEATHER

TEMPERATURE: 20 °F WIND: 5-15 MPH VISIBILITY: Clear

WORK / SAMPLING PERFORMED

- ARRIVE - PERFORM WETLAND INSPECTION, INSTALL NEW LOCKS IN MW19 SECTION.

1000 - EPA REPS. ARRIVE FOR SITE TOUR,

1030 - GLENN SAVORY / NJDEP ARRIVES - WALK NJDEP + EPA AROUND SITE (WETLAND AREA, MW19 AREA, BUILDING 9).

1200 - DEPART SITE, DEMOB. TO GR.

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN
—	—

COMMUNICATION

NAME		
J. DEXTER	RMT	PROGRESS UPDATE.

[signature] 2-21-08
SIGNED DATE

[signature] 3/1/08
CHECKED BY DATE

RMT

EQUIPMENT SUMMARY

PROJECT NAME:	L. E. Carpenter	SAMPLER NAME:	E. Vincke & S. Pawlukiewicz
PROJECT NO.:	6527.29		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

QED MP30
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 MP30
NAME AND MODEL OF INSTRUMENT

LEC
SERIAL NUMBER (IF APPLICABLE)

PURGING METHOD

QED MicroPurge Bladder
NAME AND MODEL OF PUMP OR TYPE OF BAILER

LEC
SERIAL NUMBER (IF APPLICABLE)

SAMPLING METHOD

QED MicroPurge Bladder
NAME AND MODEL OF PUMP OR TYPE OF BAILER

LEC
SERIAL NUMBER (IF APPLICABLE)

In-line
NAME AND MODEL OF FILTERATION DEVICE

0.45
FILTER TYPE AND SIZE

PE
TUBING TYPE

☒ LOW-FLOW SAMPLING EVENT

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☒ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

NA
POTABLE WATER SOURCE

Store 1
DI WATER SOURCE

[signature] 2/21/08
SIGNED DATE

[signature] 3/1/08
CHECKED BY DATE

EQUIPMENT SUMMARY

PROJECT NAME:	L. E. Carpenter	SAMPLER NAME:	E. Vincke & S. Pawlukiewicz
PROJECT NO.:	6527.29		

WATER LEVEL MEASUREMENTS COLLECTED WITH:

QED MP30	RMT 6R.
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PRODUCT LEVEL MEASUREMENTS COLLECTED WITH:

N/A	N/A
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

DEPTH TO BOTTOM OF WELL MEASUREMENTS COLLECTED WITH:

QED MP30	LEC
NAME AND MODEL OF INSTRUMENT	SERIAL NUMBER (IF APPLICABLE)

PURGING METHOD

QED MICRO PURGE BLOWER	RMT 6R.
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)

SAMPLING METHOD

QED MICRO PURGE BLOWER	RMT 6R.
NAME AND MODEL OF PUMP OR TYPE OF BAILER	SERIAL NUMBER (IF APPLICABLE)
IN-LINE	0.45
NAME AND MODEL OF FILTERATION DEVICE	FILTER TYPE AND SIZE
PE.	☒ LOW-FLOW SAMPLING EVENT
TUBING TYPE	

PURGE WATER DISPOSAL METHOD

☐ GROUND ☐ DRUM ☐ POTW ☒ POLYTANK ☐ OTHER _____

DECONTAMINATION AND FIELD BLANK WATER SOURCE

N/A	STORE BOUGHT.
POTABLE WATER SOURCE	DI WATER SOURCE
S. Pawlukiewicz 2-21-08	E. Vincke 3/1/08
SIGNED DATE	CHECKED BY DATE

CALIBRATION LOG

PROJECT NAME:	L. E. Carpenter	MODEL:	QED MP20	SAMPLER:	EV/SP
PROJECT NO.:	6527.29	SERIAL #:	RMT / LEC	DATE:	2-19-08

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2707151			PH 4 / 10 (LOT NUMBER): 2707160			TIME
6.92	/	7.00	3.90	/	4.00	0654
7.49	/	7.00	4.01	/	4.00	1259
	/			/		
	/			/		

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2704230			TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1476	/	1413	7.00	1413	0658
1429	/	1413	9.20	1413	1303
	/				
	/				

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
7.89	0700
13.03	1305

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
0-10	4.59 /	0749
0-100	48.7 /	0749
0 + 1000	403 /	0748
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 7A3071			TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
	/	214	~~220~~ 18	220	0703
	/	222	8.31	220	1306
	/				
	/				

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS

E. [illegible] 2/21/08
SIGNED DATE

[illegible] 3/1/08
CHECKED BY DATE

RMT

CALIBRATION LOG

PROJECT NAME:	L. E. Carpenter	MODEL:	451 556	SAMPLER:	EV/SP
PROJECT NO.:	6527.29	SERIAL #:	RMT 6R	DATE:	2-19-08

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2707131	PH 4 / 10 (LOT NUMBER): 2707466	TIME
6.75 / 7.00	3.92 / 4.00	0639
7.16 / 7.00	3.99 / 4.00	1258
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2704230	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1390 / 1413	7.04	927.9	0646
1416 / 1413	9.88	1007	1303
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
–	–

TURBIDITY CALIBRATION CHECK LEC METER

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
<0.1	0 /	0738
~~20~~ 10-10	5 /	0742
~~100~~ 10-50	46 /	0742
0 - 1000	477 /	0741

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 7AJ071	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
242 / 214	13.46	226	0706
/ 219	9.81	220	1306
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
–	–

S Pawlikowski 2-21-08
SIGNED DATE

D Vernarde 3/1/08
CHECKED BY DATE

RMT

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: QED MP20	SAMPLER: EV/SP
PROJECT NO.: 6527.29	SERIAL #: LEC	DATE: 2/20/08

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): 2707131	PH 4 / 10 (LOT NUMBER): 2707466	TIME
6.46 / 7.00	3.51 / 4.00	0648
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 2704230	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1530 /	15.20	1413	0653
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
12.32	0658

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
0 / 10	4.62 /	0700
0 / 100	49.1 /	0700
0 / 1000	408 /	0700
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER):	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
218 / 220	15.20	220	0657
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
Short Sampling Day	

E. Vail 2/21/08
SIGNED DATE

J Drenoode 3/1/08
CHECKED BY DATE

REVISED 07/2005

RMT

CALIBRATION LOG

PROJECT NAME: L. E. Carpenter	MODEL: YSI 556	SAMPLER: EV/SP
PROJECT NO.: 6527.29	SERIAL #: RMT GR	DATE: 2/20/08

PH CALIBRATION CHECK

PH 7 (LOT NUMBER): Z707136	PH 4 / 10 (LOT NUMBER): Z703466	TIME
6.85 / 7.00	4.05 / 4.00	0647
/	/	
/	/	
/	/	

SPECIFIC CONDUCTIVITY CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): Z704230	TEMPERATURE (°CELSIUS)	CORRECTED CONDUCTIVITY (umhos/cm)	TIME
1418 / 1413	15.21	1413	0653
/			
/			
/			

D.O. CALIBRATION CHECK

CALIBRATION READING (mg/L)	TIME
—	—

TURBIDITY CALIBRATION CHECK

CALIBRATION READING (LOT #): NA	(LOT #): NA	TIME
0 - 1000	477 /	0648
0 - 100	47 /	0649
0 - 10	5 /	0649
/	/	

OXIDATION / REDUCTION POTENTIAL CALIBRATION CHECK

CALIBRATION READING (LOT NUMBER): 7AJ076	TEMPERATURE (°CELSIUS)	CORRECTED ORP (mV)	TIME
208 / 220	15.20	220	0657
/			
/			
/			

PROBLEMS ENCOUNTERED	CORRECTIVE ACTIONS
—	—

S. Pankhing 2-21-08
SIGNED DATE

J Overwarde 3/1/08
CHECKED BY DATE

REVISED 07/2005

RMT

WATER LEVEL DATA

PROJECT NAME:	L. E. Carpenter	DATE:	2/18/08
PROJECT NUMBER:	6527.29	AUTHOR:	EV/SP

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-19			6.95	16.59		
MW-19-1			6.55			
MW-19-2			7.35			
MW-19-3			7.69			
MW-19-4			5.75	19.04		
MW-19-5			6.59	15.45		
MW-19-6			7.02	19.42		
MW-19-7			6.32	20.20		
MW-19-8			6.71			
MW-19-9D			6.61			
MW-19-10			NM - Broke			
MW-19-11			5.24			
MW-19-12			6.12	16.70		
GEI-2I			8.26			
GEI-2S			8.20			
GEI-3I	1634		10.36			
MW-15S			8.20			
MW-15I			8.18			
MW-18S			3.75			
MW-18I			2.92			
MW-17S	1300		5.82			- new lock
MW-12R	1305		6.12			" "
MW-9	1307		2.05			- new lock
MW-8	1310		1.22			" "
MW-25R	1335		2.02	9.81		
MW-21	1338		1.62			
MW-27S	1050		6.72	30.04		
MW-28S	1313		3.76	12.63		

MW-28I	1312		3.59	22.80		
MW-29S	1045		5.65	14.58		
MW-30S	1502		1.33	12.07		
MW-30I	1501		1.12	18.09		
MW-30D	1500		1.12	27.14		
SW-D-1	1550		~~1.78~~ 1.58	1.78 staff gauge		
SW-D-2	1535		1.80	~1.65 staff gauge. MS/MSD		
SW-D-3	1521		1.38	2.02 staff gauge	(Dup-01)	
SW-D-4	1442		~ 0.70	High water		
SW-D-5	1355		2.80			
SW-R-1	1408		1.59			
SW-R-2	1415		~~1.70~~ 1.64	Staff Gauge = 1.70		
SW-R-3	1425		1.02			
SW-R-4	1435		1.89			
SW-R-5	1635		0.83	2.52 staff gauge		
SW-R-6	1620		2.41			
DRC-1	–		–			
DRC-2	1345		1.01			
SG-R2	1303		1.21			
MW-13S	1539		2.85			
MW-13I	1540		2.88			
MW-13S (R)	–		–	No Key.		

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

[signature] 2-21-08
SIGNED DATE

[signature] 3/1/08
CHECKED DATE

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: AO	DATE: 3/1/08

SAMPLE ID: DRC-Z

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

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1345	DATE: 2-18-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____	☑ LITERS ☐ GALLONS		TEMPERATURE: ____ °C	OTHER:	
VOLUME REMOVED ____	☑ LITERS ☐ GALLONS		COLOR: ____	ODOR:	
COLOR: ____	ODOR: ____		FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pawlowski	DATE SIGNED: 2-21-08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: KD	DATE: 3/1/08

SAMPLE ID: 3W-D-5 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1355	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☑ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~	~~—~~	☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pawlitzky	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: dD	DATE: 3/1/08

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

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1408	DATE: 2-18-08

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

DEPTH TO WATER: ____ T/ PVC

DEPTH TO BOTTOM ____ T/ PVC

WELL VOLUME: ____ ☑ LITERS ☐ GALLONS

VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS

COLOR: ____ ODOR: ____

TURBIDITY: ____

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: ____ SU CONDUCTIVITY: umhos/cm

ORP: ____ mv DO: ____ mg/L

TURBIDITY: ____ NTU

☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: ____ °C OTHER: ____

COLOR: ____ ODOR: ____

FILTRATE (0.45 um) ☐ YES ☐ NO

FILTRATE COLOR: ____ FILTRATE ODOR: ____

QC SAMPLE: ☐ MS/MSD ☐ DUP- ____

COMMENTS:

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

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

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

BOTTLES FILLED

PRESERVATIVE CODES

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pawlitzky	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: AD	DATE: 3/1/08

SAMPLE ID: SW-R-2 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1415	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			RH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☑ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: B. Pankey	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: HO	DATE: 3/1/08

SAMPLE ID: SW-R-3 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1425	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☑ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	PLASTIC	~~A~~	☐ Y ☑ N
~~1~~	~~100 ml~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: ____	SIGNATURE: S. Pomeroy	DATE SIGNED: 2-21-08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: KO	DATE: 3/1/08

SAMPLE ID: SW-12-L4 | WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1435	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☑ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	1	~~250 mL~~	PLASTIC	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: B. Pandolfino	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: JO	DATE: 3/1/08

SAMPLE ID: SW-D-4 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1442	DATE: 2-18-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____ ☑ LITERS ☐ GALLONS			TEMPERATURE: ____ °C	OTHER: ____	
VOLUME REMOVED ____ ☑ LITERS ☐ GALLONS			COLOR: ____	ODOR: ____	
COLOR: ____ ODOR: ____			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR: ____	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP- ____		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 ml~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pawlitz	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: KD	DATE: 3/1/08

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

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1521	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☑ DUP- 01		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
~~4~~ 2	40 mL	VOA	E	☐ Y ☑ N	~~4~~ 2	1 L	AMBER	F	☐ Y ☑ N
~~4~~ 2	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	1	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
1	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pandolfino	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: AD	DATE: 3/1/08

SAMPLE ID: SW-D-2 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1535	DATE: 2-18-08
PURGE METHOD:	☑ PUMP ☐ BAILER	BLADDER PUMP (QED)	PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME:	☑ LITERS	☐ GALLONS	TEMPERATURE: °C	OTHER:	
VOLUME REMOVED	☑ LITERS	☐ GALLONS	COLOR:	ODOR:	
COLOR:		ODOR:	FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pauletino	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: -10	DATE: 3/1/08

SAMPLE ID: SW-D-I

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

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

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

PURGING	TIME: —	DATE: —
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER	
DEPTH TO WATER:	T/ PVC	
DEPTH TO BOTTOM	T/ PVC	
WELL VOLUME:	☑ LITERS ☐ GALLONS	
VOLUME REMOVED	☑ LITERS ☐ GALLONS	
COLOR:	ODOR:	
TURBIDITY:		
☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		

SAMPLE	TIME: 1550	DATE: 2-18-08
PH: SU	CONDUCTIVITY: umhos/cm	
ORP: mv	DO: mg/L	
TURBIDITY: NTU		
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
TEMPERATURE: °C	OTHER:	
COLOR:	ODOR:	
FILTRATE (0.45 um) ☐ YES ☑ NO		
FILTRATE COLOR:	FILTRATE ODOR:	
QC SAMPLE: ☑ MS/MSD ☐ DUP-		
COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4 ~~2~~	40 mL	VOA	E	☐ Y ☑ N	4 ~~2~~	1 L	AMBER	F	☐ Y ☑ N
~~4 2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	2	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pankhing	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: HO	DATE: 3/1/08

SAMPLE ID: GW-12-6 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1620	DATE: 2-18-08
PURGE METHOD: ☑ PUMP BLADDER PUMP (QED) ☐ BAILER			PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pawlitz	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: JO	DATE: 3/1/08

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

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

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

PURGING	TIME: —	DATE: —	SAMPLE	TIME: 1635	DATE: 2-18-08

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

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

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

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

BOTTLES FILLED

PRESERVATIVE CODES

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
~~2~~	~~40 mL~~	~~VOA~~	~~A~~	☐ Y ☑ N	~~2~~	~~500mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~100 mL~~	~~PLASTIC~~		☐ Y ☑ N	~~1~~	~~1 L~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N
~~1~~	~~125 mL~~	~~PLASTIC~~	~~A~~	☐ Y ☑ N	~~1~~	~~250 mL~~	~~PLASTIC~~	~~C~~	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: S. Pambling	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-18-08	BY: dO	DATE: 3/1/08

SAMPLE ID: RB-01 WELL DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☑ OTHER N/A

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

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

RURGING	TIME: —	DATE: —	SAMPLE	TIME: 1645	DATE: 2-18-08

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

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-18-08	AIRBILL NUMBER: NA
COC NUMBER: —	SIGNATURE: [signature]	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/19/08	BY: SO	DATE: 3/1/08

SAMPLE ID: MW-29S

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 0810	DATE: 2/19/08	SAMPLE	TIME: 0855	DATE: 2/19/08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.02 SU	CONDUCTIVITY: 1027 umhos/cm	
			ORP: -94 mv	DO: 0.21 mg/L	
DEPTH TO WATER: 5.68 T/ PVC			TURBIDITY: 9.92 NTU		
DEPTH TO BOTTOM 14.58 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 5.77 ☑ LITERS ☐ GALLONS			TEMPERATURE: 7.87 °C	OTHER:	
VOLUME REMOVED 18.0 ☑ LITERS ☐ GALLONS			COLOR: CLR	ODOR: None	
COLOR: L. Brn	ODOR: None		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 125			FILTRATE COLOR: CLR	FILTRATE ODOR: None	
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☒ DUP- 02		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous - >10 ALK- 290 CO_2- 22		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0810	400	7.06	1045	-37	6.86	125	6.06	5.68	INITIAL
0815	↓	7.66	1050	-36	1.99	112	7.69	5.79	2.0
0820		6.99	1046	-28	1.53	53.6	7.62	5.79	4.0
0825		7.00	1045	-56	0.86	32.0	7.76	5.79	6.0
0830		7.00	1039	-55	0.45	26.6	7.87	5.79	8.0
0835		7.02	1035	-64	0.33	21.3	8.00	5.79	10.0
0840		7.03	1034	-72	0.24	16.3	7.74	5.79	12.0
0845		7.03	1030	-79	0.47	15.6	7.80	5.79	14.0
0850		7.03	1029	-88	0.25	13.2	7.81	5.79	16.0
0855	↓	7.02	1027	-94	0.21	9.92	7.87	5.79	18.0

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4 ~~1~~	40 mL	VOA	E	☐ Y ☑ N	~~1~~ 4	1 L	AMBER	F	☐ Y ☑ N
4 ~~1~~	40 mL	VOA	A	☐ Y ☑ N	~~1~~ 4	500mL	PLASTIC	A	☐ Y ☑ N
2 ~~1~~	100 mL	PLASTIC		☐ Y ☑ N	~~1~~ 2	1 L	PLASTIC	A	☐ Y ☑ N
2 ~~1~~	125 mL	PLASTIC	A	☐ Y ☑ N	~~1~~ 2	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/19/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 2/19/08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-19-08	BY: dO	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 0858	DATE: 2-19-08	SAMPLE	TIME: VARIES	DATE: VARIES
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.15 SU	CONDUCTIVITY: 612.7 umhos/cm	
			ORP: 71.5 mv	DO: 1.0 mg/L	
DEPTH TO WATER: 5.81 T/ PVC			TURBIDITY: 186 NTU		
DEPTH TO BOTTOM 30.04 T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY		
WELL VOLUME: 15.70 ☑ LITERS ☐ GALLONS			TEMPERATURE: 8.41 °C	OTHER:	
VOLUME REMOVED 8 ☑ LITERS ☐ GALLONS			COLOR: Cloudy/Brown	ODOR: NO	
COLOR: Cloudy/Brown ODOR: NO			FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 424			FILTRATE COLOR: C/B	FILTRATE ODOR: NO	
☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)	
0858	400	6.90	576.5	99.9	0.0	424	7.50	5.81	INITIAL	
0903	↓	6.84	579.5	91.1	0.0	212	8.09	9.25	2	
0908		7.02	583.5	87.8	1.0	397	8.32	10.42	4	
0913	↓	7.12	594.1	81.8	–	371	8.38	11.50	6	@ Pump
0918		7.15	612.7	71.5	1.0	186	8.41	11.50	8	Well Dry.

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

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

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

	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	
2/19 1745	2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N	2/19 1745
2/19 1745	2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N	
2/19 1745	1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N	
2/19 1745	1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N	

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/19/08 and 2/20/08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pawlowski	DATE SIGNED: 2/21/08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-19-08	BY: AO	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1008	DATE: 2-19-08	SAMPLE	TIME: 1048	DATE: 2-19-08

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

DEPTH TO WATER: 5.32 T/ PVC

DEPTH TO BOTTOM 19.04 T/ PVC

WELL VOLUME: 33.19 ☑ LITERS ☐ GALLONS

VOLUME REMOVED 16 ☑ LITERS ☐ GALLONS

COLOR: Cloudy ODOR: No

TURBIDITY: 186

☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.02 SU CONDUCTIVITY: 938.5 umhos/cm

ORP: 73.1 mv DO: 4 mg/L

TURBIDITY: 9 NTU

☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.98 °C OTHER: -

COLOR: CIR. ODOR: No

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: CIR. FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk = 100 CO_2 = 13 Ferrous = 0

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1008	400	7.35	892.8	70.7	-	186	7.55	5.32	INITIAL
1013	↓	7.00	936.6	78.0	3	26	8.00	5.50	2
1018	↓	7.03	929.5	75.0	3	18	7.82	5.50	4
1023	↓	7.02	926.5	73.7	4	22	7.90	5.50	6
1028	↓	7.02	927.8	73.0	4	41	7.88	5.50	8
1033	↓	7.01	933.1	72.6	4	31	8.05	5.50	10
1038	↓	7.00	931.9	73.6	4	18	7.94	5.50	12
1043	↓	6.99	936.8	73.8	4	11	7.96	5.50	14
1048	↓	7.02	938.5	73.1	4	9	7.98	5.50	16

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

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

BOTTLES FILLED

PRESERVATIVE CODES

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-19-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pandekaring	DATE SIGNED: 2/21/08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/19/08	BY: [illegible]	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1010	DATE: 2/19/08	SAMPLE	TIME: 1050	DATE: 2/19/08

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

DEPTH TO WATER: 1.12 T/ PVC

DEPTH TO BOTTOM 9.81 T/ PVC

WELL VOLUME: 5.63 ☑ LITERS ☐ GALLONS

VOLUME REMOVED 16.0 ☑ LITERS ☐ GALLONS

COLOR: L. Brn ODOR: None

TURBIDITY: 59.9

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 7.32 SU CONDUCTIVITY: 639 umhos/cm

ORP: -79 mv DO: 0.34 mg/L

TURBIDITY: 47.6 NTU

☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 7.87 °C OTHER:

COLOR: Cloudy ODOR: None

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: Clr FILTRATE ODOR: None

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk-150, CO_3-12.5, Ferrous-4.5

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)
1010	400	7.52	691	-85	1.66	59.9	7.48	1.12	INITIAL
1015	↓	7.42	647	-84	1.53	88.9	8.04	1.13	2.0
1020	↓	7.40	644	-84	0.39	87.9	8.02	1.13	4.0
1025	↓	7.32	645	-85	0.35	64.0	8.03	1.13	6.0
1030	↓	7.34	644	-84	0.34	53.8	7.99	1.13	8.0
1035	↓	7.24	642	-83	0.33	39.6	8.03	1.13	10.0
1040	↓	7.29	641	-81	0.33	44.1	7.91	1.13	12.0
1045	↓	7.32	640	-80	0.34	45.8	7.88	1.13	14.0
1050	↓	7.32	639	-79	0.34	47.6	7.87	1.13	16.0

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/19/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [signature]	DATE SIGNED: 2/21/08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/19/08	BY: AO	DATE: 3/1/08

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: 1323	DATE: 2/19/08	SAMPLE	TIME: 1428	DATE: 2/19/08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 6.80 SU	CONDUCTIVITY: 487 umhos/cm	
			ORP: 1 mv	DO: 0.45 mg/L	
DEPTH TO WATER: 1.13 T/ PVC			TURBIDITY: 16.3 NTU		
DEPTH TO BOTTOM 27.14 T/ PVC			☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 16.85 ☑ LITERS ☐ GALLONS			TEMPERATURE: 9.19 °C	OTHER:	
VOLUME REMOVED 26.0 ☑ LITERS ☐ GALLONS			COLOR: Cloudy	ODOR: None	
COLOR: Brn	ODOR: None		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 163			FILTRATE COLOR: Clr	FILTRATE ODOR: None	
☐ 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)
1323	400	6.46	404	196	4.50	163	7.92	1.13	INITIAL
1328	↓	6.85	418	126	0.95	121	9.15	1.14	2.0
1333		6.81	443	1	0.60	73.9	9.15	1.14	4.0
1338		6.86	447	6	0.60	55.7	9.13	1.14	6.0
1343		6.81	457	12	0.57	43.8	9.12	1.14	8.0
1348		6.84	460	10	0.55	34.8	9.22	1.14	10.0
1353		6.83	459	13	0.57	34.1	9.42	1.14	12.0
1358		6.84	465	13	0.53	25.7	9.37	1.14	14.0
1403		6.79	469	9	0.53	23.0	9.56	1.14	16.0
1408	↓	6.79	472	6	0.50	20.5	9.29	1.14	18.0

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/19/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: E. Vail	DATE SIGNED: 2/21/08

RMT

WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/19/08	BY: AO	DATE: 3/1/08

SAMPLE ID: HW-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)
1413	400	6.82	475	6	0.50	19.2	9.29	1.14	20.0
1418	↓	6.81	477	3	0.48	17.0	9.67	1.14	22.0
1423	↓	6.81	482	-1	0.45	16.7	9.29	1.14	24.0
1428	↓	6.80	487	1	0.45	16.3	9.19	1.14	26.0
			Ferrous	-	1.5				
			ALK	-	130				
			CO_2	-	<10				

SIGNATURE: E. Vail

DATE SIGNED: 2/19/08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-19-08	BY: DO	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1330	DATE: 2-19-08	SAMPLE	TIME: 1405	DATE: 2-19-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 6.72 SU	CONDUCTIVITY: 197.2 umhos/cm	
			ORP: 78.4 mv	DO: 2 mg/L	
DEPTH TO WATER: 5.96 T/ PVC			TURBIDITY: 2 NTU		
DEPTH TO BOTTOM 16.70 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 6.96 ☑ LITERS ☐ GALLONS			TEMPERATURE: 7.59 °C	OTHER:	
VOLUME REMOVED 14 ☑ LITERS ☐ GALLONS			COLOR: CLR.	ODOR: No	
COLOR: Cloudy	ODOR: No		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 94			FILTRATE COLOR: CLR	FILTRATE ODOR: No	
☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY			QC SAMPLE: ☑ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: ALK = 40 CO_2 = <10 FERROUS = 0.0		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1330	400	5.89	243.1	115.0	2	94	7.92	5.96	INITIAL
1335	↓	6.17	202.2	92.5	-	43	7.75	5.96	2
1340	↓	6.42	198.3	86.0	2	21	7.60	5.96	4
1345	↓	6.53	199.3	82.4	-	10	7.54	5.96	6
1350	↓	6.61	199.6	78.8	2	7	7.49	5.96	8
1355	↓	6.67	198.2	79.9	-	5	7.64	5.96	10
1400	↓	6.74	196.2	78.9	2	3	7.63	5.96	12
1405	↓	6.72	197.2	78.4	2	2	7.59	5.96	14

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4	40 mL	VOA	E	☐ Y ☑ N	4	1 L	AMBER	F	☐ Y ☑ N
4	40 mL	VOA	A	☐ Y ☑ N	4	500mL	PLASTIC	A	☐ Y ☑ N
2	100 mL	PLASTIC		☐ Y ☑ N	2	1 L	PLASTIC	A	☐ Y ☑ N
2	125 mL	PLASTIC	A	☐ Y ☑ N	2	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-19-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: B. Pambuka	DATE SIGNED: 2/21/08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/19/08	BY: [illegible]	DATE: 3/1/08

SAMPLE ID: MW-30I

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1503	DATE: 2/19/08	SAMPLE	TIME: 1538	DATE: 2/19/08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 6.70 SU	CONDUCTIVITY: 784 umhos/cm	
			ORP: -149 mv	DO: 0.13 mg/L	
DEPTH TO WATER: 1.15 T/ PVC			TURBIDITY: 9.98 NTU		
DEPTH TO BOTTOM 18.09 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 10.98 ☑ LITERS ☐ GALLONS			TEMPERATURE: 8.55 °C	OTHER:	
VOLUME REMOVED 14.0 ☑ LITERS ☐ GALLONS			COLOR: Clr	ODOR: None	
COLOR: Brn	ODOR: None		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 55.0			FILTRATE COLOR: Clr	FILTRATE ODOR: None	
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous - >20 Alk - 150 CO_2 - 18		

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)
1503	400	6.83	570	-18	1.50	55.0	5.78	1.15	INITIAL
1508	↓	6.65	794	-108	0.29	57.8	8.01	1.20	2.0
1513		6.66	791	-117	0.23	24.6	8.15	1.20	4.0
1518		6.68	788	-127	0.19	19.6	8.36	1.20	6.0
1523		6.78	786	-139	0.21	16.6	8.10	1.20	8.0
1528		6.71	785	-142	0.20	14.7	8.24	1.20	10.0
1533		6.71	783	-145	0.14	13.4	8.43	1.20	12.0
1538	↓	6.70	784	-149	0.13	9.98	8.55	1.20	14.0

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

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

BOTTLES FILLED

PRESERVATIVE CODES: A - NONE B - HNO_3 C - H_2SO_4 D - NaOH E - HCL F - $Na_2S_2O_3$

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/19/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: [illegible]	DATE SIGNED: 2/19/08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-19-08	BY: [illegible]	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1508	DATE: 2-19-08	SAMPLE	TIME: 1528	DATE: 2-19-08

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

DEPTH TO WATER: 6.89 T/ PVC

DEPTH TO BOTTOM 19.42 T/ PVC

WELL VOLUME: 8.12 ☑ LITERS ☐ GALLONS

VOLUME REMOVED 8 ☑ LITERS ☐ GALLONS

COLOR: Cloudy, Red Floaties ODOR: No

TURBIDITY: 173

☐ NONE ☐ SLIGHT ☐ MODERATE ☒ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 6.52 SU CONDUCTIVITY: 854.4 umhos/cm

ORP: 91.2 mv DO: 7 mg/L

TURBIDITY: 6 NTU

☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 10.71 °C OTHER: -

COLOR: Clr ODOR: No

FILTRATE (0.45 um) ☒ YES ☐ NO

FILTRATE COLOR: Clr FILTRATE ODOR: No

QC SAMPLE: ☐ MS/MSD ☐ DUP-

COMMENTS: Alk = 100 CO_2 = 20 Ferrous = 0.4

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1508	400	6.23	793.0	110.0	-	173	10.19	6.89	INITIAL
1513		6.57	848.8	99.0	1	29	10.66	6.89	2
1518		6.52	850.8	95.5	-	14	10.65	6.89	4
1523		6.48	854.2	94.1	1	9	10.73	6.89	6
1528		6.52	854.4	91.2	1	6	10.71	6.89	8

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-19-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: B. Pauletaing	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-19-08	BY: [illegible]	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1630	DATE: 2-19-08	SAMPLE	TIME: 1655	DATE: 2-19-08

PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER	PH: 6.21 SU	CONDUCTIVITY: 2023 umhos/cm
		ORP: 105.4 mv	DO: 1 mg/L
DEPTH TO WATER: 6.25 T/ PVC		TURBIDITY: 10 NTU	
DEPTH TO BOTTOM 20.20 T/ PVC		☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY	
WELL VOLUME: 9.04 ☑ LITERS ☐ GALLONS		TEMPERATURE: 9.48 °C	OTHER:
VOLUME REMOVED 10 ☑ LITERS ☐ GALLONS		COLOR: CLR.	ODOR: No
COLOR: CLR, RED FLOATES	ODOR: No	FILTRATE (0.45 um) ☒ YES ☐ NO	
TURBIDITY: 43		FILTRATE COLOR: CLR	FILTRATE ODOR: NO
☐ NONE ☒ SLIGHT ☐ MODERATE ☐ VERY		QC SAMPLE: ☐ MS/MSD ☐ DUP-	
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER		COMMENTS: Alk = 45 CO_2 = 27 FERROUS = 0.3	

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)
1630	400	6.50	1225	106.8	—	43	8.20	6.25	INITIAL
1635	↓	6.39	1943	105.4	1	26	9.47	6.25	2
1640		6.26	1994	107.7	1	14	9.37	6.25	4
1645		6.22	2015	108.1	1	11	9.39	6.25	6
1650		6.22	2020	106.9	1	10	9.49	6.25	8
1655		6.21	2023	105.4	1	10	9.48	6.25	10

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-19-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pawlikowski	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/20/08	BY: dO	DATE: 3/1/08

SAMPLE ID: MW-20S

WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 0730	DATE: 2/20/08	SAMPLE	TIME: 0835	DATE: 2/20/08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.32 SU	CONDUCTIVITY: 825 umhos/cm	
			ORP: -158 mv	DO: 0.12 mg/L	
DEPTH TO WATER: ~~11.33~~ T/ PVC			TURBIDITY: 113 NTU		
DEPTH TO BOTTOM 12.07 T/ PVC			☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		
WELL VOLUME: 6.96 ☑ LITERS ☐ GALLONS			TEMPERATURE: 4.85 °C	OTHER:	
VOLUME REMOVED 26.0 ☑ LITERS ☐ GALLONS			COLOR: V. Dark Gray	ODOR: V. Slight	
COLOR: Cloudy	ODOR: Slight		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 23.2			FILTRATE COLOR: CLR	FILTRATE ODOR: V. Slight	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: WL Not measured due to ice		

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)
0730	400	6.81	787	18	5.25	23.2	2.54	NM	INITIAL
0735	↓	7.13	832	-46	0.64	24.5	4.13	↓	2.0
0740	↓	7.20	828	-63	0.38	51.8	4.26	↓	4.0
0745	↓	7.25	827	-75	0.31	93.6	4.36	↓	6.0
0750	↓	7.26	826	-99	0.24	124	4.51	↓	8.0
0755	↓	7.28	827	-113	0.21	103	4.66	↓	10.0
0800	↓	7.29	826	-126	0.19	108.3	4.72	↓	12.0
0805	↓	7.32	826	-133	0.16	116	4.65	↓	14.0
0810	↓	7.31	825	-141	0.15	118	4.89	↓	16.0
0815	↓	7.32	825	-144	0.14	132	4.84	↓	18.0

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/20/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: E. Vail	DATE SIGNED: 2/21/08

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/20/08	BY: dD	DATE: 3/1/08

SAMPLE ID: MW-30S

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0820	400	7.32	825	-150	0.12	121	4.83	NM	20.0
0825	↓	7.32	824	-151	0.14	107.8	4.95	↓	22.0
0830	↓	7.32	825	-154	0.12	112	4.84	↓	24.0
0835	↓	7.32	825	-158	0.12	113	4.85	↓	26.0

Ferrous - >20
Alk - NM
CO_2 - NM
} To dark to see colors.

SIGNATURE: E. [illegible]

DATE SIGNED: 2/21/08

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: [illegible]	DATE: 3/1/08

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

WELL MATERIAL: ☑ PVC ☐ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 0754	DATE: 2-20-08	SAMPLE	TIME: 0949	DATE: 2-20-08

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

DEPTH TO WATER: 6.67 T/ PVC

DEPTH TO BOTTOM 15.45 T/ PVC

WELL VOLUME: 5.69 ☑ LITERS ☐ GALLONS

VOLUME REMOVED 46 ☑ LITERS ☐ GALLONS

COLOR: CLR ODOR: NO

TURBIDITY: 71

☐ NONE ☐ SLIGHT ☑ MODERATE ☐ VERY

DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER

PH: 6.28 SU CONDUCTIVITY: 125.5 umhos/cm

ORP: 108.1 mv DO: 1.83 mg/L

TURBIDITY: 12 NTU

☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY

TEMPERATURE: 6.14 °C OTHER: -

COLOR: CLR ODOR: NO

FILTRATE (0.45 um) ☑ YES ☐ NO

FILTRATE COLOR: CLR FILTRATE ODOR: NO

QC SAMPLE: ☐ MS/MSD ☑ DUP- 03

COMMENTS: ALK = 35 CO_2 = 15 FERROUS = 0.1

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
0754	400	6.34	210.0	164.0	3.00	71	4.30	6.67	INITIAL
0859	↓	6.25	116.6	118.9	3.60	50	5.34	6.67	2
0804		6.10	116.5	118.8	1.97	134	5.59	6.67	4
0809		6.05	120.2	115.2	1.59	161	5.76	6.67	6
0814		5.99	124.5	113.7	1.70	116	5.62	6.67	8
0819		6.03	123.7	114.1	1.93	117	5.60	6.67	10
0824		6.04	124.5	112.9	1.97	116	5.94	6.67	12
0829		6.11	124.8	109.4	1.81	69	5.56	6.67	14
0834		6.11	123.9	109.9	1.89	80	5.68	6.67	16
0839	↓	6.15	123.0	107.9	1.96	68	5.79	6.67	18

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
4 ✗	40 mL	VOA	E	☐ Y ☑ N	4 ✗	1 L	AMBER	F	☐ Y ☑ N
4 ✗	40 mL	VOA	A	☐ Y ☑ N	4 ✗	500mL	PLASTIC	A	☐ Y ☑ N
2 ✗	100 mL	PLASTIC		☐ Y ☑ N	2 ✗	1 L	PLASTIC	A	☐ Y ☑ N
2 ✗	125 mL	PLASTIC	A	☐ Y ☑ N	2 ✗	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: B. Pawlowski	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: [illegible]	DATE: 3/1/08

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)
0844	400	6.13	123.6	110.2	1.82	53	5.82	6.67	20
0849		6.18	123.5	107.7	1.93	44	5.94	6.67	22
0854		6.15	123.0	109.2	1.91	37	5.77	6.67	24
0859		6.17	124.5	107.9	1.92	28	5.80	6.67	26
0904		6.15	123.4	109.6	1.89	23	5.95	6.67	28
0909		6.22	124.8	107.4	1.95	20	5.97	6.67	30
0914		6.23	124.8	107.2	1.92	17	5.94	6.67	32
0919		6.24	124.7	107.9	1.91	26	6.05	6.67	34
0924		6.27	124.0	106.9	1.89	—	5.89	6.67	36
0929		6.26	124.0	107.7	1.84	14	5.75	6.67	38
0934		6.29	124.1	106.5	1.90	14	5.67	6.67	40
0939		6.25	124.7	107.4	1.86	13	6.02	6.67	42
0944		6.23	125.5	107.9	1.85	12	6.00	6.67	44
0949		6.28	125.5	108.1	1.83	12	6.14	6.67	46

SIGNATURE: S. Pauletzing

DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: [illegible]	DATE: 3/1/08

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: 1000	DATE: 2-20-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☒ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS:		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: [illegible]	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: JO	DATE: 3/1/08

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

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1104	DATE: 2-20-08	SAMPLE	TIME: 1124	DATE: 2-20-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 6.40 SU	CONDUCTIVITY: 214.2 umhos/cm	
			ORP: 111.7 mv	DO: 0.60 mg/L	
DEPTH TO WATER: 6.86 T/ PVC			TURBIDITY: 5 NTU		
DEPTH TO BOTTOM 16.59 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 23.47 ☑ LITERS ☐ GALLONS			TEMPERATURE: 8.55 °C	OTHER:	
VOLUME REMOVED 8 ☑ LITERS ☐ GALLONS			COLOR: CLR	ODOR:	
COLOR: CLR	ODOR: No		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 15			FILTRATE COLOR: CLR	FILTRATE ODOR:	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Alk: 40 CO_2: 14 Ferrous = 0.1		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1104	400	5.92	199.1	120.5	0.99	15	6.48	6.86	INITIAL
1109		6.41	214.9	106.7	0.76	7	8.75	6.91	2
1114		6.38	213.2	111.0	0.76	6	8.40	6.91	4
1119		6.39	214.0	110.5	0.66	6	8.51	6.91	6
1124		6.40	214.2	111.7	0.60	5	8.55	6.91	8

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pawlikowski	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2/20/08	BY: [illegible]	DATE: 3/1/08

SAMPLE ID: MW-205 WELL DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☒ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1323	DATE: 2/20/08	SAMPLE	TIME: 1408	DATE: 2/20/08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 7.30 SU	CONDUCTIVITY: 492 umhos/cm	
			ORP: -169 mv	DO: 0.11 mg/L	
DEPTH TO WATER: 3.80 T/ PVC			TURBIDITY: 11.3 NTU		
DEPTH TO BOTTOM 17.63 T/ PVC			☒ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 8.96 ☑ LITERS ☐ GALLONS			TEMPERATURE: 9.22 °C	OTHER:	
VOLUME REMOVED 18.0 ☑ LITERS ☐ GALLONS			COLOR: CLR	ODOR: None	
COLOR: Brn	ODOR: None		FILTRATE (0.45 um) ☒ YES ☐ NO		
TURBIDITY: 127			FILTRATE COLOR: CLR	FILTRATE ODOR: None	
☐ NONE ☐ SLIGHT ☒ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: Ferrous - 15 AK- 130 CO_2- 20		

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1323	400	7.63	511	-56	11.82	127	5.94	3.80	INITIAL
1328		7.37	500	-130	0.30	104.0	9.11	3.82	2.0
1333		7.55	498	-150	0.25	52.3	8.85	3.82	4.0
1338		7.36	495	-155	0.19	32.3	8.90	3.82	6.0
1343		7.32	494	-161	0.15	29.9	9.11	3.82	8.0
1348		7.33	492	-163	0.13	23.0	9.17	3.82	10.0
1353		7.31	491	-165	0.14	15.6	9.06	3.82	12.0
1358		7.27	491	-167	0.11	12.8	9.01	3.82	14.0
1403		7.28	491	-168	0.12	11.6	9.04	3.82	16.0
1408		7.30	492	-169	0.11	11.3	9.22	3.82	18.0

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2/20/08	AIRBILL NUMBER: NA
COC NUMBER: NA	SIGNATURE: E. Vunk	DATE SIGNED: 2/20/08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: dD	DATE: 3/1/08

SAMPLE ID: MW-28I

WELL DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER

WELL MATERIAL: ☐ PVC ☑ SS ☐ IRON ☐ OTHER

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

PURGING	TIME: 1323	DATE: 2-20-08	SAMPLE	TIME: 1428	DATE: 2-20-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: 6.81 SU	CONDUCTIVITY: 400.2 umhos/cm	
			ORP: -100.2 mv	DO: 0.01 mg/L	
DEPTH TO WATER: 3.77 T/ PVC			TURBIDITY: 6 NTU		
DEPTH TO BOTTOM 22.30 T/ PVC			☑ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: 12.33 ☑ LITERS ☐ GALLONS			TEMPERATURE: 16.31 °C	OTHER:	
VOLUME REMOVED 26 ☑ LITERS ☐ GALLONS			COLOR: CLR.	ODOR: NO	
COLOR: BROWN	ODOR: NO		FILTRATE (0.45 um) ☑ YES ☐ NO		
TURBIDITY: 671			FILTRATE COLOR: CLR.	FILTRATE ODOR: NO	
☐ NONE ☐ SLIGHT ☐ MODERATE ☑ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: ALK: 135 CO_2: 20 FERROUS: 12		

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)
1323	400	6.30	360.3	91.2	0.03	671	8.65	3.77	INITIAL
1328		6.29	383.3	63.4	0.02	89	9.97	3.77	2
1333		6.43	388.5	30.8	0.02	32	10.06	3.77	4
1338		6.55	389.2	10.6	0.02	22	10.25	3.77	6
1343		6.66	394.7	-15.0	0.02	14	10.38	3.77	8
1348		6.69	396.0	-33.0	0.02	13	10.54	3.77	10
1353		6.70	394.4	-44.2	0.02	12	10.46	3.77	12
1358		6.72	398.3	-60.3	0.02	7	10.47	3.77	14
1403		6.74	396.9	-71.8	0.02	7	10.52	3.77	16
1408		6.75	397.5	-78.1	0.01	7	10.56	3.77	18

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pankey	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

(CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: JD	DATE: 3/1/08

SAMPLE ID: MW-28 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)
1413		6.76	400.0	-85.5	0.02	6	10.54	3.77	20
1418		6.77	400.8	-91.2	0.02	6	10.54	3.77	22
1423		6.82	400.5	-98.6	0.02	6	10.48	3.77	24
1428		6.81	400.2	-100.2	0.01	6	10.31	3.77	26

SIGNATURE: B. Pawlukiewicz

DATE SIGNED: 2-21-08

REVISED 07/2005

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: JO	DATE: 3/1/08

SAMPLE ID: PB-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: 1525	DATE: 2-20-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: ____ SU	CONDUCTIVITY: umhos/cm	
			ORP: ____ mv	DO: ____ mg/L	
DEPTH TO WATER: ____ T/ PVC			TURBIDITY: ____ NTU		
DEPTH TO BOTTOM: ____ T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ____	☑ LITERS ☐ GALLONS		TEMPERATURE: ____ °C	OTHER:	
VOLUME REMOVED ____	☑ LITERS ☐ GALLONS		COLOR: ____	ODOR:	
COLOR: ____	ODOR: ____		FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY: ____			FILTRATE COLOR: ____	FILTRATE ODOR:	
☐ NONE ☑ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: LEC Bladder Pump		

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

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

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

BOTTLES FILLED

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pandeling	DATE SIGNED: 2-21-08

RMT

WATER SAMPLE LOG

PROJECT NAME: L. E. Carpenter	PREPARED		CHECKED	
PROJECT NUMBER: 6527.29	BY: EV/SP	DATE: 2-20-08	BY: dO	DATE: 3/1/08

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

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

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

PURGING	TIME: –	DATE: —	SAMPLE	TIME: 1530	DATE: 2-20-08
PURGE METHOD:	☑ PUMP BLADDER PUMP (QED) ☐ BAILER		PH: SU	CONDUCTIVITY: umhos/cm	
			ORP: mv	DO: mg/L	
DEPTH TO WATER: T/ PVC			TURBIDITY: NTU		
DEPTH TO BOTTOM T/ PVC			☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY		
WELL VOLUME: ☑ LITERS ☐ GALLONS			TEMPERATURE: °C	OTHER:	
VOLUME REMOVED ☑ LITERS ☐ GALLONS			COLOR:	ODOR:	
COLOR: ODOR:			FILTRATE (0.45 um) ☐ YES ☐ NO		
TURBIDITY:			FILTRATE COLOR:	FILTRATE ODOR:	
☐ NONE ☐ SLIGHT ☐ MODERATE ☐ VERY			QC SAMPLE: ☐ MS/MSD ☐ DUP-		
DISPOSAL METHOD ☐ GROUND ☐ DRUM ☑ OTHER			COMMENTS: RMT 6R Bladder Pump		

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

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

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

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

NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVATIVE	FILTERED
2	40 mL	VOA	E	☐ Y ☑ N	2	1 L	AMBER	F	☐ Y ☑ N
2	40 mL	VOA	A	☐ Y ☑ N	2	500mL	PLASTIC	A	☐ Y ☑ N
1	100 mL	PLASTIC		☐ Y ☑ N	1	1 L	PLASTIC	A	☐ Y ☑ N
1	125 mL	PLASTIC	A	☐ Y ☑ N	1	250 mL	PLASTIC	C	☐ Y ☑ N

SHIPPING METHOD: FedEx	DATE SHIPPED: 2-20-08	AIRBILL NUMBER: NA
COC NUMBER: N/A	SIGNATURE: S. Pawlefing	DATE SIGNED: 2-21-08

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.29

Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP

Site/Facility ID#: NJ

P.O.#: 6527.29

Collected by (signature): E. Vinke
S. Pawlikiewicz

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis/Container/Preservative

Page of Custody: 1 of 2

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

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T44116/P234689
Cooler #: 2-7 KW
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SV8270BN-DEHP 1L-Amb-NoPres	V8260BTEX 40mlAmb-HCl						Remarks/Contaminant	Sample # (lab only)
SW-D-1	Grab	GW	NA	2/18/08	1550	4	X	X							
SW-D-2	↓	GW	↓	↓	1535	4	X	X							
SW-D-3	↓	GW	↓	↓	1521	4	X	X							
SW-D-4	↓	GW	↓	↓	1442	4	X	X							
SW-D-5	↓	GW	↓	↓	1355	4	X	X							
DRC-2	↓	GW	↓	↓	1345	4	X	X							
SW-R-1	↓	GW	↓	↓	1408	4	X	X							
SW-R-2	↓	GW	↓	↓	1415	4	X	X							
SW-R-3	↓	GW	↓	↓	1425	4	X	X							

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

pH _____ Temp _____

Flow _____ Other _____

Remarks: All surface water samples

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
E. Vinke	2/18/08	18:00	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

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RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody 2 of 2

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / B. Pawlukiewicz
Immediately Packed on Ice N ___ Y X

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Accnum: RMTGRMI (lab use only)
Template/Prelogin: T44116/P234689
Cooler # 2-7 KUD
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SV8270BN-DEHP (1L-Amb-NoPres)	V8260BTEX 40mlAmb-HCl						Remarks/Contaminant	Sample # (lab only)
SW-R-4	Grab	GW	NA	2/18/08	1435	4	X	X							
SW-R-5	↓	GW	↓	↓	1635	4	X	X							
SW-R-6	↓	GW	↓	↓	1620	4	X	X							
SW-D-1 MS/MSD	↓	GW	↓	↓	1550	4	X	X							
DUP-01	↓	GW	↓	↓	—	4	X	X							
RB-01	↓	GW	↓	↓	1645	4	X	X							
		GW				4	X	X							
TB-01	—		—	2/18/08	—	2		X							

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

Remarks: Surface Water Samples

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
E. Vinke	2/18/08	18:00	Fed Ex		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: Y N NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody Page 1 of 6

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / S. Pawlikowski
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528 P234694
Cooler #: 2/19/08
Shipped Via: FedEx Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40ml Amb-NoPres	NH3, T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate, Nitrite 125mlHDPE-NoPres	PBD ICP 500mlHDPE-Add HNO3	SO4, TDS 500mlHDPE-NoPres	SV8270BN 1L-Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
~~MW-19~~	~~Grab~~	~~GW~~				~~11~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
MW-19-4	Grab	GW	NA	2/19/08	1048	11	X	X	X		X	X	X	X		
~~MW-19-5~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		
MW-19-6	Grab	GW	NA	2/19/08	1528	11	X	X	X		X	X	X	X		
MW-19-7	Grab	GW	NA	2/19/08	1655	11	X	X	X		X	X	X	X		
MW-19-12	Grab	GW	NA	2/19/08	1405	11	X	X	X		X	X	X	X		
MW-25(R)	Grab	GW	NA	2/19/08	1050	11	X	X	X		X	X	X	X		
MW-27S	Grab	GW	NA	2/19/08	1745	9 ~~11~~	X	X	X		~~X~~	X	X	~~X~~		
~~MW-28S~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
E. Vinke	2/19/08	1900	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody 2 of 6

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

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

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

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/ P234694
Cooler #: 2/0/5
Shipped Via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40mlAmb-NoPres	NH3,T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate,Nitrite 125mlHDPE-NoPres	PBDICP 500mlHDPE-Add HNO3	SO4,TDS 500mlHDPE-NoPres	SV8270BN 1L-Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
~~MW-28I~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		
MW-29S	Grab	GW	NA	2/19/08	0855	11	X	X	X		X	X	X	X		
~~MW-30S~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		
MW-30I	Grab	GW	NA	2/19/08	1538	11	X	X	X		X	X	X	X		
MW-30D	Grab	GW	NA	2/19/08	1428	11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		

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

Remarks: Dissolved Lead to be field filtered.

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
[signature]	2/19/08	1900	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: Y N NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody 4 of 6

Prepared by:

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

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.29

Lab Project #: RMTGRMI-652725

Collected by (print): EV

Site/Facility ID#: NJ

P.O.#: 6527.29

Collected by (signature): E. Vinke
S. Pauloting

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/ P234694
Cooler #: 3/018
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260BTEXM 40mlAmb-HCl							Remarks/Contaminant	Sample # (lab only)
~~MW-19~~		~~GW~~				~~11~~	~~X~~								
MW-19-4	Grab	GW	NA	2/19/08	1048	11	X								
~~MW-19-5~~		~~GW~~				~~11~~	~~X~~								
MW-19-6	Grab	GW	NA	2/19/08	1528	11	X								
MW-19-7	Grab	GW	NA	↓	1655	11	X								
MW-19-12	Grab	GW	NA	↓	1405	11	X								
MW-25(R)	Grab	GW	NA	↓	1050	11	X								
MW-27S	Grab	GW	NA	2/19/08	1745	9 ~~11~~	X								
~~MW-28S~~		~~GW~~				~~11~~	~~X~~								

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

Remarks: Dissolved Lead to be field filtered.

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
E. Vinke	2/19/08	1900	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody 5 of 6

Prepared by:

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

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.29

Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP

Site/Facility ID#: NJ

P.O.#: 6527.29

Collected by (signature): E. Vinke

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/ P234694
Cooler #: 2/0 VS
Shipped Via: FedEX Ground

Analysis/Container/Preservative: V8260BTEXM 40ml Amb-HCl

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260BTEXM 40ml Amb-HCl	Remarks/Contaminant	Sample # (lab only)
~~MW-28I~~		~~GW~~				~~11~~	~~X~~		
MW-29S	Grab	GW	NA	2/19/08	0855	11	X		
~~MW-30S~~		~~GW~~				~~11~~	~~X~~		
MW-30I	Grab	GW	NA	2/19/08	1538	11	X		
MW-30D	Grab	GW	NA	2/19/08	1428	11	X		
		GW				11	X		
		GW				11	X		
		GW				11	X		
		GW				11	X		

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

Remarks: Dissolved Lead to be field filtered.

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
E. Vinke	2/19/08	1900	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: Y N NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

RMT
2025 E. Beltline Ave. SE
Ste. 402
Grand Rapids, MI 29546

Alternate Billing Information

Bill & Report to Environmental Science Corp.

Report to: Mr. Eric Vinke

Email to: eric.vinke@rmtinc.com

Project Description: L.E. Carpenter

City/Sate Collected: New Jersey

Phone: 616-975-5415
FAX: 616-975-1098

Client Project #: 6527.2~~5~~9

ESC Key: RMTGRMI-652725

Collected by: EV/SP

Site/Facility ID#:

P.O.#: 6527.29

Collected by (signature): E. Vinke
S. Paulling

Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? __No ✓Yes
FAX? __No__Yes

Analysis/Container/Preservative

Heterotrophic Plate Count

To Be Subbed out to Environmental Health Labs.

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode RMTGRMI (lab use only)
Template/Prelogin T41527
2-6 KW
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Heterotrophic Plate Count	To Be Subbed out to Environmental Health Labs.						Remarks/Contaminant	Sample # (lab only)
MW-29S	Grab	GW	NA	2/19/08	0855	1	X								
MW-25 R	Grab	GW	↓	↓	1050	1	X								
MW-30 D	Grab	GW	↓	↓	1428	1	X								
MW-30 I	Grab	GW	↓	↓	1538	1	X								
DUP-01	Grab	GW	↓	↓	—	1	X								
MW-27S	Grab	GW	↓	↓	1745	1	X								
MW-19-4	Grab	GW	↓	↓	1048	1	X								
MW-19-12	Grab	GW	↓	↓	1405	1	X								
MW-19-12 MS/MSD	Grab	GW	↓	↓	1405	1	X								

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___		Condition: (lab use only)	
E. Vinke	2/19/08	1900	FedEx				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked:	NCF:

RMT
2025 E. Beltline Ave. SE
Ste. 402
Grand Rapids, MI 29546

Alternate Billing Information

Bill & Report to Environmental Science Corp.

Report to: Mr. Eric Vinke

Email to: eric.vinke@rmtinc.com

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: L.E. Carpenter

City/Sate Collected: New Jersey

Phone: 616-975-5415
FAX: 616-975-1098

Client Project #: 6527.29

ESC Key: RMTGRMI-652725

Collected by: EV/SP

Site/Facility ID#:

P.O.#: 6527.29

Collected by (signature): [signature]

Packed on Ice N

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

Date Results Needed: 2 wks

Email? __No ✓Yes

FAX? __No__Yes

CoCode RMTGRMI (lab use only)

Template/Prelogin: T41527

Shipped Via:

Analysis/Container/Preservative: Heterotrophic Plate Count; To Be Subbed out to Environmental Health Labs.

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Heterotrophic Plate Count	To Be Subbed out to Environmental Health Labs.	Remarks/Contaminant	Sample # (lab only)
MW-19-6	Grab	GW	NA	2/19/08	1528	1	X			
MW-19-7	Grab	GW	NA	2/19/08	1655	1	X			
	Grab	GW								
	Grab	GW								
	Grab	GW								
	Grab	GW								
	Grab	GW								
	Grab	GW								
	Grab	GW								

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked: NCF:

5 of 5 8

RMT
2025 E. Beltline Ave. SE
Ste. 402
Grand Rapids, MI 29546

Alternate Billing Information

Bill & Report to Environmental Science Corp.

Report to: Mr. Eric Vinke

Email to: eric.vinke@rmtinc.com

Project Description: L.E. Carpenter

City/State Collected: New Jersey

Phone: 616-975-5415
FAX: 616-975-1098

Client Project #: 6527.259

ESC Key: RMTGRMI-652725

Collected by: EV/SP

Site/Facility ID#:

P.O.#: 6527.29

Collected by (signature): S. Pawlikowski

Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? __No ✓Yes

FAX? __No__Yes

Analysis/Container/Preservative

Heterotrophic Plate Count

To Be Subbed out to Environmental Health Labs.

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode RMTGRMI (lab use only)
Template/Prelogin T41527
Shipped Via: 2-6 YLO

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Heterotrophic Plate Count	To Be Subbed out to Environmental Health Labs.					Remarks/Contaminant	Sample # (lab only)
MW-30s	Grab	GW	NA	2/20/08	0835	1	X							
MW-19-5	Grab	GW			0949		X							
MW-19	Grab	GW			1124		X							
MW-28s	Grab	GW			1408		X							
MW-28I	Grab	GW			1428		X							
ATM-01	Grab	GW			1000		X							
DUP-03	Grab	GW			—		X							
RB-02	Grab	GW			1525		X							
RB-03	Grab	GW			1530		X							

*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH ___ Temp ___

Remarks:

Flow ___ Other ___

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
E. Vinke	2/20/08	1730	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: / Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: / Time:	pH Checked: / NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody 3 of 6

Prepared by:

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

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.29

Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP

Site/Facility ID#: NJ

P.O.#: 6527.29

Collected by (signature): E. Vinke / S. Pawlikowski

Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/ P234694
Cooler #: 2/0/15
Shipped Via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40mlAmb-NoPres	NH3,T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate,Nitrite 125mlHDPE-NoPres	PBDICP 500mlHDPE-Add HNO3	SO4,TDS 500mlHDPE-NoPres	SV8270BN 1L-Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
MW-30s	Grab	GW	NA	2/20/08	0835	11	X	X	X	x	X	X	X	X		
MW-19-5	↓	GW	↓	↓	0949	11	X	X	X	x	X	X	X	X		
MW-19	↓	GW	↓	↓	1124	11	X	X	X	x	X	X	X	X		
MW-28s	↓	GW	↓	↓	1408	11	X	X	X	x	X	X	X	X		
MW-28 I	↓	GW	↓	↓	1428	11	X	X	X	x	X	X	X	X		
ATM-01	↓	GW	↓	↓	1000	11	X	X	X	x	X	X	X	X	Total Lead	
DUP-03	↓	GW	↓	↓	—	11	x	x	x	x	x	x	x	x		
RB-02	↓	GW	↓	↓	1525	11	x	x	x	x	x	x	x	x	Total Lead	
RB-03	↓	GW	↓	↓	1530	11	x	x	x	x	x	x	x	x	Total Lead	
MW-27s	Grab	GW	NA	2/20/08	0700	2					x		x			

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

pH _____ Temp _____

Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

ATM-01
RB-02
RB-03 } Total Lead

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
E. Vinke	2/20/08	1730	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

5 of 58

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody 6 of 6

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

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

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

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29

Collected by (signature): E. Vinke
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/P234694
Cooler #: 2/7/08
Shipped Via: FedEX Ground

Analysis/Container/Preservative: V8260BTEXM 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260BTEXM 40mlAmb-HCl	Remarks/Contaminant	Sample # (lab only)
MW-30S	grab	GW	NA	2/20/08	0835	11	X		
MW-19-5	↓	GW	↓	↓	0949	11	X		
MW-19	↓	GW	↓	↓	1124	11	X		
MW-28S	↓	GW	↓	↓	1408	11	X		
MW-28I	↓	GW	↓	↓	1428	11	X		
ATM-01	↓	GW	↓	↓	1000	11	X		
DUP-03	↓	GW	↓	↓	—	11	X		
RB-02	↓	GW	↓	↓	1525	11	X		
RB-03	↓	GW	↓	↓	1530	11	X		
MW-27S	Grab	GW	NA	2/20/08	0700	2			

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

Remarks: Dissolved Lead to be field filtered.

TB -03

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
E. Vinke	2/20/08	1730	FedEx		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Bottles Received:	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	pH Checked: NCF:

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Appendix D
1st Quarter 2008 Laboratory Analytical Report

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

Grand Rapids, MI 49546

Report Summary

Tuesday March 04, 2008

Report Number: L332413
Samples Received: 02/21/08
Client Project: 6527.29

Description: LE Carpenter

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

Entire Report Reviewed By: Leslie Newton
Leslie Newton, ESC Representative

Laboratory Certification Numbers

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

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55 Samples Reported: 02/29/08 16:22 Revised: 03/04/08 10:51

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REPORT OF ANALYSIS

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

March 04,2008

ESC Sample # : L332413-01

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-D-1

Collected By : EV/SP
Collection Date : 02/18/08 15:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	4.9	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.2		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	100.		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.2	ug/l	8270C	02/22/08	1.18
Surrogate Recovery						
Nitrobenzene-d5	15.2		% Rec.	8270C	02/22/08	1.18
2-Fluorobiphenyl	42.1		% Rec.	8270C	02/22/08	1.18
p-Terphenyl-d14	74.8		% Rec.	8270C	02/22/08	1.18

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

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

March 04,2008

ESC Sample # : L332413-02

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Site ID : NJ

Sample ID : SW-D-2

Project # : 6527.29

Collected By : EV/SP
Collection Date : 02/18/08 15:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	4.4	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.9		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	101.		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.11
Surrogate Recovery						
Nitrobenzene-d5	40.1		% Rec.	8270C	02/22/08	1.11
2-Fluorobiphenyl	58.2		% Rec.	8270C	02/22/08	1.11
p-Terphenyl-d14	76.6		% Rec.	8270C	02/22/08	1.11

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

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

March 04,2008

ESC Sample # : L332413-03

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-D-3

Collected By : EV/SP
Collection Date : 02/18/08 15:21

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	3.8	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.9		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	102.		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/22/08	1.05
Surrogate Recovery						
Nitrobenzene-d5	23.5		% Rec.	8270C	02/22/08	1.05
2-Fluorobiphenyl	38.9		% Rec.	8270C	02/22/08	1.05
p-Terphenyl-d14	60.0		% Rec.	8270C	02/22/08	1.05

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

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

March 04,2008

ESC Sample # : L332413-04

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-D-4

Collected By : EV/SP
Collection Date : 02/18/08 14:42

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	4.1	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.8		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	100.		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.08
Surrogate Recovery						
Nitrobenzene-d5	35.8		% Rec.	8270C	02/22/08	1.08
2-Fluorobiphenyl	53.5		% Rec.	8270C	02/22/08	1.08
p-Terphenyl-d14	86.6		% Rec.	8270C	02/22/08	1.08

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

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

March 04,2008

ESC Sample # : L332413-05

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Site ID : NJ

Sample ID : SW-D-5

Project # : 6527.29

Collected By : EV/SP
Collection Date : 02/18/08 13:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.1		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	98.9		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/21/08	1.03
Surrogate Recovery						
Nitrobenzene-d5	52.9		% Rec.	8270C	02/21/08	1.03
2-Fluorobiphenyl	66.6		% Rec.	8270C	02/21/08	1.03
p-Terphenyl-d14	80.3		% Rec.	8270C	02/21/08	1.03

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

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

March 04,2008

ESC Sample # : L332413-06

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : DRC-2

Collected By : EV/SP
Collection Date : 02/18/08 13:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	96.3		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	99.6		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/21/08	1
Surrogate Recovery						
Nitrobenzene-d5	52.8		% Rec.	8270C	02/21/08	1
2-Fluorobiphenyl	68.2		% Rec.	8270C	02/21/08	1
p-Terphenyl-d14	79.9		% Rec.	8270C	02/21/08	1

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

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

March 04,2008

ESC Sample # : L332413-07

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Site ID : NJ

Sample ID : SW-R-1

Project # : 6527.29

Collected By : EV/SP
Collection Date : 02/18/08 14:08

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/20/08	1
Toluene	BDL	5.0	ug/l	8260B	02/20/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/20/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/20/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/20/08	1
Dibromofluoromethane	97.9		% Rec.	8260B	02/20/08	1
4-Bromofluorobenzene	99.1		% Rec.	8260B	02/20/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.11
Surrogate Recovery						
Nitrobenzene-d5	37.9		% Rec.	8270C	02/22/08	1.11
2-Fluorobiphenyl	54.7		% Rec.	8270C	02/22/08	1.11
p-Terphenyl-d14	87.5		% Rec.	8270C	02/22/08	1.11

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

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

March 04,2008

ESC Sample # : L332413-08

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-R-2

Collected By : EV/SP
Collection Date : 02/18/08 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	101.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	75.4		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.11
Surrogate Recovery						
Nitrobenzene-d5	22.9		% Rec.	8270C	02/22/08	1.11
2-Fluorobiphenyl	48.5		% Rec.	8270C	02/22/08	1.11
p-Terphenyl-d14	93.5		% Rec.	8270C	02/22/08	1.11

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

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

March 04,2008

ESC Sample # : L332413-09

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-R-3

Collected By : EV/SP
Collection Date : 02/18/08 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	98.9		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	103.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	76.9		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.11
Surrogate Recovery						
Nitrobenzene-d5	43.8		% Rec.	8270C	02/22/08	1.11
2-Fluorobiphenyl	60.5		% Rec.	8270C	02/22/08	1.11
p-Terphenyl-d14	97.3		% Rec.	8270C	02/22/08	1.11

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

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

March 04,2008

ESC Sample # : L332413-10

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-R-4

Collected By : EV/SP
Collection Date : 02/18/08 14:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	101.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	77.6		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.11
Surrogate Recovery						
Nitrobenzene-d5	35.6		% Rec.	8270C	02/22/08	1.11
2-Fluorobiphenyl	57.9		% Rec.	8270C	02/22/08	1.11
p-Terphenyl-d14	95.6		% Rec.	8270C	02/22/08	1.11

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

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

March 04,2008

ESC Sample # : L332413-11

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-R-5

Collected By : EV/SP
Collection Date : 02/18/08 16:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	101.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	69.9		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	64.3		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	72.9		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	92.2		% Rec.	8270C	02/26/08	1

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

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REPORT OF ANALYSIS

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

March 04,2008

ESC Sample # : L332413-12

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : SW-R-6

Collected By : EV/SP
Collection Date : 02/18/08 16:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	102.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	78.1		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.1	ug/l	8270C	02/22/08	1.14
Surrogate Recovery						
Nitrobenzene-d5	22.8		% Rec.	8270C	02/22/08	1.14
2-Fluorobiphenyl	52.9		% Rec.	8270C	02/22/08	1.14
p-Terphenyl-d14	92.5		% Rec.	8270C	02/22/08	1.14

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

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

March 04,2008

ESC Sample # : L332413-13

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : DUP-01

Collected By : EV/SP
Collection Date : 02/18/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	3.5	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	102.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	75.9		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/21/08	1
Surrogate Recovery						
Nitrobenzene-d5	50.5		% Rec.	8270C	02/21/08	1
2-Fluorobiphenyl	65.2		% Rec.	8270C	02/21/08	1
p-Terphenyl-d14	80.3		% Rec.	8270C	02/21/08	1

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

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

March 04,2008

ESC Sample # : L332413-14

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Site ID : NJ

Sample ID : RB-01

Project # : 6527.29

Collected By : EV/SP
Collection Date : 02/18/08 16:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	99.4		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	79.1		% Rec.	8260B	02/21/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/22/08	1
Surrogate Recovery						
Nitrobenzene-d5	22.0		% Rec.	8270C	02/22/08	1
2-Fluorobiphenyl	35.9		% Rec.	8270C	02/22/08	1
p-Terphenyl-d14	73.7		% Rec.	8270C	02/22/08	1

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

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

March 04,2008

ESC Sample # : L332413-15

Site ID : NJ

Project # : 6527.29

Date Received : February 19, 2008
Description : LE Carpenter - Surface Water

Sample ID : TRIPBLANK

Collected By : EV/SP
Collection Date : 02/18/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	1.0	ug/l	8260B	02/21/08	1
Toluene	BDL	5.0	ug/l	8260B	02/21/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/21/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/21/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/21/08	1
Dibromofluoromethane	109.		% Rec.	8260B	02/21/08	1
4-Bromofluorobenzene	81.6		% Rec.	8260B	02/21/08	1

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

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-4

Collected By : EV/SP
Collection Date : 02/19/08 10:48

ESC Sample # : L332413-16

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	1800	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	24000	5000	ug/l	9056	02/20/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/21/08	1
Dissolved Solids	790000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	1200	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	106.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	55.2		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	64.2		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	88.2		% Rec.	8270C	02/26/08	1

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

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-6

Collected By : EV/SP
Collection Date : 02/19/08 15:28

ESC Sample # : L332413-17

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	1100	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	28000	5000	ug/l	9056	02/20/08	1
Methane, Total	78.	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/21/08	1
Dissolved Solids	650000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	2600	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	109.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	60.1		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	76.4		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	94.0		% Rec.	8270C	02/26/08	1

BDL - Below Detection Limit
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REPORT OF ANALYSIS

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

March 04,2008

ESC Sample # : L332413-18

Site ID : NJ

Project # : 6527.29

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-7

Collected By : EV/SP
Collection Date : 02/19/08 16:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	3200	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	24000	5000	ug/l	9056	02/20/08	1
Methane, Total	300	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/21/08	1
Dissolved Solids	1600000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	6700	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	55.	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	7.3	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	36.	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	109.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	51.4		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	65.0		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	93.4		% Rec.	8270C	02/26/08	1

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

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-12

Collected By : EV/SP
Collection Date : 02/19/08 14:05

ESC Sample # : L332413-19

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	840	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	5700	5000	ug/l	9056	02/20/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/21/08	1
Dissolved Solids	160000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	BDL	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	109.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	52.7		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	72.4		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	85.7		% Rec.	8270C	02/26/08	1

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REPORT OF ANALYSIS

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-25 R

Collected By : EV/SP
Collection Date : 02/19/08 10:50

ESC Sample # : L332413-20

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	5400	5000	ug/l	9056	02/20/08	1
Methane, Total	55.	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	130	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	170	100	ug/l	365.1	02/21/08	1
Dissolved Solids	360000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	140000	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	110.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	104.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1.05
Surrogate Recovery						
Nitrobenzene-d5	63.5		% Rec.	8270C	02/26/08	1.05
2-Fluorobiphenyl	85.1		% Rec.	8270C	02/26/08	1.05
p-Terphenyl-d14	97.0		% Rec.	8270C	02/26/08	1.05

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REPORT OF ANALYSIS

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

March 04,2008

ESC Sample # : L332413-21

Site ID : NJ

Project # : 6527.29

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-27S

Collected By : EV/SP
Collection Date : 02/19/08 17:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	650	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	78000	5000	ug/l	9056	02/20/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	740	100	ug/l	365.1	02/21/08	1
Dissolved Solids	530000	10000	ug/l	2540C	02/22/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	112.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.2	ug/l	8270C	02/26/08	1.18
Surrogate Recovery						
Nitrobenzene-d5	55.9		% Rec.	8270C	02/26/08	1.18
2-Fluorobiphenyl	73.3		% Rec.	8270C	02/26/08	1.18
p-Terphenyl-d14	99.2		% Rec.	8270C	02/26/08	1.18

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

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-29S

Collected By : EV/SP
Collection Date : 02/19/08 08:55

ESC Sample # : L332413-22

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/20/08	1
Nitrite	120	100	ug/l	9056	02/20/08	1
Sulfate	BDL	5000	ug/l	9056	02/20/08	1
Methane, Total	2000	100	ug/l	3810/RSK17	02/22/08	10
Ethane, Total	BDL	100	ug/l	3810/RSK17	02/22/08	10
Ethene, Total	BDL	100	ug/l	3810/RSK17	02/22/08	10
Ammonia Nitrogen	7500	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	340	100	ug/l	365.1	02/21/08	1
Dissolved Solids	510000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	60000	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	25.	ug/l	6010B	02/20/08	5
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	112.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1
Surrogate Recovery						
Nitrobenzene-d5	63.6		% Rec.	8270C	02/26/08	1
2-Fluorobiphenyl	74.4		% Rec.	8270C	02/26/08	1
p-Terphenyl-d14	89.3		% Rec.	8270C	02/26/08	1

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

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

March 04,2008

ESC Sample # : L332413-23

Site ID : NJ

Project # : 6527.29

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30I

Collected By : EV/SP
Collection Date : 02/19/08 15:38

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	BDL	5000	ug/l	9056	02/20/08	1
Methane, Total	370	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	1200	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	340	100	ug/l	365.1	02/21/08	1
Dissolved Solids	410000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	33000	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	111.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	103.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1.05
Surrogate Recovery						
Nitrobenzene-d5	63.8		% Rec.	8270C	02/26/08	1.05
2-Fluorobiphenyl	75.1		% Rec.	8270C	02/26/08	1.05
p-Terphenyl-d14	94.8		% Rec.	8270C	02/26/08	1.05

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

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

March 04,2008

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30D

Collected By : EV/SP
Collection Date : 02/19/08 14:28

ESC Sample # : L332413-24

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	9400	5000	ug/l	9056	02/20/08	1
Methane, Total	47.	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	120	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/21/08	1
Dissolved Solids	300000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	8000	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/20/08	1
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	112.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	104.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1.05
Surrogate Recovery						
Nitrobenzene-d5	54.9		% Rec.	8270C	02/26/08	1.05
2-Fluorobiphenyl	71.6		% Rec.	8270C	02/26/08	1.05
p-Terphenyl-d14	87.1		% Rec.	8270C	02/26/08	1.05

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

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

March 04,2008

ESC Sample # : L332413-25

Site ID : NJ

Project # : 6527.29

Date Received : February 20, 2008
Description : LE Carpenter - Wells

Sample ID : DUP-02

Collected By : EV/SP
Collection Date : 02/19/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/20/08	1
Nitrite	BDL	100	ug/l	9056	02/20/08	1
Sulfate	BDL	5000	ug/l	9056	02/20/08	1
Methane, Total	1800	100	ug/l	3810/RSK17	02/22/08	10
Ethane, Total	BDL	100	ug/l	3810/RSK17	02/22/08	10
Ethene, Total	BDL	100	ug/l	3810/RSK17	02/22/08	10
Ammonia Nitrogen	7600	100	ug/l	350.1	02/21/08	1
Phosphorus,Total	350	100	ug/l	365.1	02/21/08	1
Dissolved Solids	510000	10000	ug/l	2540C	02/22/08	1
Suspended Solids	38000	1000	ug/l	2540D	02/21/08	1
Lead,Dissolved	BDL	25.	ug/l	6010B	02/20/08	5
Benzene	BDL	1.0	ug/l	8260B	02/23/08	1
Toluene	BDL	5.0	ug/l	8260B	02/23/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/23/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/23/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/23/08	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	02/23/08	1
Dibromofluoromethane	112.		% Rec.	8260B	02/23/08	1
4-Bromofluorobenzene	104.		% Rec.	8260B	02/23/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/26/08	1.05
Surrogate Recovery						
Nitrobenzene-d5	60.6		% Rec.	8270C	02/26/08	1.05
2-Fluorobiphenyl	74.4		% Rec.	8270C	02/26/08	1.05
p-Terphenyl-d14	95.6		% Rec.	8270C	02/26/08	1.05

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

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

March 04,2008

ESC Sample # : L332413-26

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30S

Collected By : EV/SP
Collection Date : 02/20/08 08:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	1300	40.	ug/l	3810/RSK17	02/22/08	4
Ethane, Total	BDL	40.	ug/l	3810/RSK17	02/22/08	4
Ethene, Total	BDL	40.	ug/l	3810/RSK17	02/22/08	4
Ammonia Nitrogen	970	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	1200	100	ug/l	365.1	02/25/08	1
Dissolved Solids	410000	10000	ug/l	2540C	02/23/08	1
Suspended Solids	2300000	1000	ug/l	2540D	02/22/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	5.0	ug/l	8260B	02/26/08	5
Toluene	BDL	25.	ug/l	8260B	02/26/08	5
Ethylbenzene	110	5.0	ug/l	8260B	02/26/08	5
Total Xylenes	480	15.	ug/l	8260B	02/26/08	5
Methyl tert-butyl ether	BDL	5.0	ug/l	8260B	02/26/08	5
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/26/08	5
Dibromofluoromethane	101.		% Rec.	8260B	02/26/08	5
4-Bromofluorobenzene	105.		% Rec.	8260B	02/26/08	5
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	3800	110	ug/l	8270C	02/28/08	111
Surrogate Recovery						
Nitrobenzene-d5	0.00		% Rec.	8270C	02/28/08	111
2-Fluorobiphenyl	0.00		% Rec.	8270C	02/28/08	111
p-Terphenyl-d14	0.00		% Rec.	8270C	02/28/08	111

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-26 (V8260BTEXM) - Target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

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

March 04,2008

ESC Sample # : L332413-27

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-5

Collected By : EV/SP
Collection Date : 02/20/08 09:49

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	160	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	7200	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/25/08	1
Dissolved Solids	120000	10000	ug/l	2540C	02/23/08	1
Suspended Solids	1900	1000	ug/l	2540D	02/23/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	1.0	ug/l	8260B	02/25/08	1
Toluene	190	5.0	ug/l	8260B	02/25/08	1
Ethylbenzene	7.5	1.0	ug/l	8260B	02/25/08	1
Total Xylenes	45.	3.0	ug/l	8260B	02/25/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/25/08	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	02/25/08	1
Dibromofluoromethane	100.		% Rec.	8260B	02/25/08	1
4-Bromofluorobenzene	102.		% Rec.	8260B	02/25/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/24/08	1
Surrogate Recovery						
Nitrobenzene-d5	47.8		% Rec.	8270C	02/24/08	1
2-Fluorobiphenyl	58.3		% Rec.	8270C	02/24/08	1
p-Terphenyl-d14	78.5		% Rec.	8270C	02/24/08	1

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

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

March 04,2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19

Collected By : EV/SP
Collection Date : 02/20/08 11:24

ESC Sample # : L332413-28

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	1900	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	25000	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/25/08	1
Dissolved Solids	190000	10000	ug/l	2540C	02/23/08	1
Suspended Solids	3600	1000	ug/l	2540D	02/25/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	97.7		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	97.1		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/25/08	1
Surrogate Recovery						
Nitrobenzene-d5	49.7		% Rec.	8270C	02/25/08	1
2-Fluorobiphenyl	67.4		% Rec.	8270C	02/25/08	1
p-Terphenyl-d14	82.7		% Rec.	8270C	02/25/08	1

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

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

March 04,2008

ESC Sample # : L332413-29

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-28S

Collected By : EV/SP
Collection Date : 02/20/08 14:08

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	570	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	140	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	360	100	ug/l	365.1	02/25/08	1
Dissolved Solids	250000	10000	ug/l	2540C	02/23/08	1
Suspended Solids	31000	1000	ug/l	2540D	02/25/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	14.	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	36.	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	98.1		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	99.3		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	101.		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	39.	20.	ug/l	8270C	02/25/08	20
Surrogate Recovery						
Nitrobenzene-d5	0.00		% Rec.	8270C	02/25/08	20
2-Fluorobiphenyl	0.00		% Rec.	8270C	02/25/08	20
p-Terphenyl-d14	0.00		% Rec.	8270C	02/25/08	20

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

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

March 04,2008

ESC Sample # : L332413-30

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-28I

Collected By : EV/SP
Collection Date : 02/20/08 14:28

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	170	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	370	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	290	100	ug/l	365.1	02/25/08	1
Dissolved Solids	290000	10000	ug/l	2540C	02/26/08	1
Suspended Solids	25000	1000	ug/l	2540D	02/25/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	98.6		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	100.		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	96.9		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	31.	5.0	ug/l	8270C	02/25/08	5
Surrogate Recovery						
Nitrobenzene-d5	41.3		% Rec.	8270C	02/25/08	5
2-Fluorobiphenyl	50.8		% Rec.	8270C	02/25/08	5
p-Terphenyl-d14	63.0		% Rec.	8270C	02/25/08	5

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

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

March 04,2008

ESC Sample # : L332413-31

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : ATM-01

Collected By : EV/SP
Collection Date : 02/20/08 10:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/25/08	1
Dissolved Solids	BDL	10000	ug/l	2540C	02/23/08	1
Suspended Solids	BDL	1000	ug/l	2540D	02/23/08	1
Lead	BDL	5.0	ug/l	6010B	02/22/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	99.8		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	101.		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/25/08	1
Surrogate Recovery						
Nitrobenzene-d5	21.3		% Rec.	8270C	02/25/08	1
2-Fluorobiphenyl	32.1		% Rec.	8270C	02/25/08	1
p-Terphenyl-d14	56.5		% Rec.	8270C	02/25/08	1

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

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

March 04,2008

ESC Sample # : L332413-32

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : DUP-03

Collected By : EV/SP
Collection Date : 02/20/08 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	150	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	7200	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/22/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/25/08	1
Dissolved Solids	120000	10000	ug/l	2540C	02/23/08	1
Suspended Solids	1800	1000	ug/l	2540D	02/22/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	200	25.	ug/l	8260B	02/25/08	5
Ethylbenzene	5.7	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	34.	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	102.		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	97.6		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/27/08	1
Surrogate Recovery						
Nitrobenzene-d5	57.6		% Rec.	8270C	02/27/08	1
2-Fluorobiphenyl	72.9		% Rec.	8270C	02/27/08	1
p-Terphenyl-d14	91.7		% Rec.	8270C	02/27/08	1

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

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

March 04,2008

ESC Sample # : L332413-33

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : RB-02

Collected By : EV/SP
Collection Date : 02/20/08 15:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	BDL	100	ug/l	365.1	02/25/08	1
Dissolved Solids	BDL	10000	ug/l	2540C	02/26/08	1
Suspended Solids	BDL	1000	ug/l	2540D	02/25/08	1
Lead	BDL	5.0	ug/l	6010B	02/22/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	104.		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/25/08	1
Surrogate Recovery						
Nitrobenzene-d5	35.6		% Rec.	8270C	02/25/08	1
2-Fluorobiphenyl	48.7		% Rec.	8270C	02/25/08	1
p-Terphenyl-d14	59.9		% Rec.	8270C	02/25/08	1

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

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

March 04,2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : RB-03

Collected By : EV/SP
Collection Date : 02/20/08 15:30

ESC Sample # : L332413-34

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Nitrate	BDL	100	ug/l	9056	02/21/08	1
Nitrite	BDL	100	ug/l	9056	02/21/08	1
Sulfate	BDL	5000	ug/l	9056	02/21/08	1
Methane, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ethane, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ethene, Total	BDL	10.	ug/l	3810/RSK17	02/27/08	1
Ammonia Nitrogen	BDL	100	ug/l	350.1	02/22/08	1
Phosphorus,Total	150	100	ug/l	365.1	02/25/08	1
Dissolved Solids	BDL	10000	ug/l	2540C	02/26/08	1
Suspended Solids	BDL	1000	ug/l	2540D	02/25/08	1
Lead	BDL	5.0	ug/l	6010B	02/22/08	1
Benzene	BDL	1.0	ug/l	8260B	02/22/08	1
Toluene	BDL	5.0	ug/l	8260B	02/22/08	1
Ethylbenzene	BDL	1.0	ug/l	8260B	02/22/08	1
Total Xylenes	BDL	3.0	ug/l	8260B	02/22/08	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	02/22/08	1
Surrogate Recovery						
Toluene-d8	99.4		% Rec.	8260B	02/22/08	1
Dibromofluoromethane	105.		% Rec.	8260B	02/22/08	1
4-Bromofluorobenzene	93.6		% Rec.	8260B	02/22/08	1
Base/Neutral Extractables						
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	02/24/08	1
Surrogate Recovery						
Nitrobenzene-d5	41.6		% Rec.	8270C	02/24/08	1
2-Fluorobiphenyl	53.1		% Rec.	8270C	02/24/08	1
p-Terphenyl-d14	73.8		% Rec.	8270C	02/24/08	1

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

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

March 04, 2008

ESC Sample # : L332413-35

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-27S

Collected By : EV/SP
Collection Date : 02/20/08 07:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Suspended Solids	850000	1000	ug/l	2540D	02/22/08	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	02/21/08	1

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

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30S

Collected By : EV/SP
Collection Date : 02/20/08 08:35

ESC Sample # : L332413-36

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	1100	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-36 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-5

Collected By : EV/SP
Collection Date : 02/20/08 09:49

ESC Sample # : L332413-37

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	380	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-37 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19

Collected By : EV/SP
Collection Date : 02/20/08 11:24

ESC Sample # : L332413-38

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	150	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-38 (SPC) - subcontracted to Environmental Health Labs

ENVIRONMENTAL
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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-28S

Collected By : EV/SP
Collection Date : 02/20/08 14:08

ESC Sample # : L332413-39

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	80.	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-39 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-28 I

Collected By : EV/SP
Collection Date : 02/20/08 14:25

ESC Sample # : L332413-40

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	BDL	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-40 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : ATM-01

Collected By : EV/SP
Collection Date : 02/20/08 10:00

ESC Sample # : L332413-41

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	BDL	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-41 (SPC) - subcontracted to Environmental Health Labs

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Est. 1970

REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : DUP-03

Collected By : EV/SP
Collection Date : 02/20/08 00:00

ESC Sample # : L332413-42

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	170	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L332413-42 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : RB-02

Collected By : EV/SP
Collection Date : 02/20/08 15:25

ESC Sample # : L332413-43

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	BDL	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57
L332413-43 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

ESC Sample # : L332413-44

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : RB-03

Collected By : EV/SP
Collection Date : 02/20/08 15:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	BDL	1.0	CFU/ml	9215B	02/21/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L332413-44 (SPC) - subcontracted to Environmental Health Labs

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REPORT OF ANALYSIS

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

March 04, 2008

ESC Sample # : L332413-45

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-29S

Collected By : EV/SP
Collection Date : 02/19/08 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	93.	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

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REPORT OF ANALYSIS

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

March 04, 2008

ESC Sample # : L332413-46

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-25R

Collected By : EV/SP
Collection Date : 02/19/08 10:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	>5700	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

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REPORT OF ANALYSIS

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

March 04, 2008

ESC Sample # : L332413-47

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30D

Collected By : EV/SP
Collection Date : 02/19/08 14:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	790	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

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REPORT OF ANALYSIS

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

March 04, 2008

ESC Sample # : L332413-48

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-30I

Collected By : EV/SP
Collection Date : 02/19/08 15:38

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	2.0	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

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REPORT OF ANALYSIS

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : DUP-01

Collected By : EV/SP
Collection Date : 02/19/08 00:00

ESC Sample # : L332413-49

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	120	1.0	CFU/ml	9215B	02/20/08	1

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

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

March 04, 2008

ESC Sample # : L332413-50

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-27S

Collected By : EV/SP
Collection Date : 02/19/08 17:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	>5700	1.0	CFU/ml	9215B	02/20/08	1

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

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-4

Collected By : EV/SP
Collection Date : 02/19/08 10:48

ESC Sample # : L332413-51

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	270	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-12

Collected By : EV/SP
Collection Date : 02/19/08 14:05

ESC Sample # : L332413-52

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	9.0	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Mr. Eric Vinke
RMT, Inc - Grand Rapids, MI
2025 East Beltline Ave. SE Ste 402
Grand Rapids, MI 49546

March 04, 2008

ESC Sample # : L332413-53

Site ID : NJ

Project # : 6527.29

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-12 DUP

Collected By : EV/SP
Collection Date : 02/19/08 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	14.	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Grand Rapids, MI 49546

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-6

Collected By : EV/SP
Collection Date : 02/19/08 15:28

ESC Sample # : L332413-54

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	120	1.0	CFU/ml	9215B	02/20/08	1

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

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

March 04, 2008

Date Received : February 21, 2008
Description : LE Carpenter - Wells

Sample ID : MW-19-7

Collected By : EV/SP
Collection Date : 02/19/08 16:55

ESC Sample # : L332413-55

Site ID : NJ

Project # : 6527.29

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Standard Plate Count	180	1.0	CFU/ml	9215B	02/20/08	1

BDL - Below Detection Limit
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Note:
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Reported: 02/29/08 16:22 Revised: 03/04/08 10:57

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L332413-11	4-Bromofluorobenzene	J2
L332413-22	Lead, Dissolved	O
L332413-24	Suspended Solids	J3
L332413-25	Lead, Dissolved	O
L332413-26	Nitrobenzene-d5	J7
	2-Fluorobiphenyl	J7
	p-Terphenyl-d14	J7
L332413-28	Toluene	J3
	Total Xylenes	J3
L332413-29	Nitrobenzene-d5	J7
	2-Fluorobiphenyl	J7
	p-Terphenyl-d14	J7

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
03/04/08 at 10:57:21

TSR Signing Reports: 044
R5 - Desired TAT

e L# and one Invoice per Project. In 8/22/07 5035 Only! No E's

Sample: L332413-01 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-02 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-03 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-04 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-05 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-06 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-07 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-08 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-09 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-10 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-11 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-12 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-13 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-14 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-15 Account: RMTGRMI Received: 02/19/08 09:00 Due Date: 02/26/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-16 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-17 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-18 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
J Red. QC;HAZSITE EDD Field Filtered Metals
ample: L332413-19 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD. MS/MSD this sample. jg-2/20 Field Filtered Metals
Sample: L332413-20 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-21 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-22 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-23 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-24 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-25 Account: RMTGRMI Received: 02/20/08 09:00 Due Date: 02/27/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-26 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-27 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-28 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-29 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-30 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-31 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-32 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-33 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-34 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD
Sample: L332413-35 Account: RMTGRMI Received: 02/21/08 09:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals
Sample: L332413-36 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-37 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-38 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-39 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-40 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-41 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137

Sample: L332413-42 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-43 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-44 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-45 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-46 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-47 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-48 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-49 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-50 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-51 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-52 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-53 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-54 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137
Sample: L332413-55 Account: RMTGRMI Received: 02/21/08 10:00 Due Date: 02/28/08 00:00 RPT Date: 02/29/08 16:22
NJ Red. QC;HAZSITE EDD Field Filtered Metals Subbed to Envhealt jlc 2/21/08 PO#S10137

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Mr. Eric Vinke
2025 East Beltline Ave. SE Ste 402

Grand Rapids, MI 49546

Quality Assurance Report
Level II

L332413

March 04, 2008

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Nitrate	< .1	mg/l	02/20/08 10:53	WG345893
Nitrite	< .1	mg/l	02/20/08 10:53	WG345893
Sulfate	< 5	mg/l	02/20/08 10:53	WG345893
Benzene	< .001	mg/l	02/20/08 13:35	WG345953
Ethylbenzene	< .001	mg/l	02/20/08 13:35	WG345953
Toluene	< .005	mg/l	02/20/08 13:35	WG345953
Total Xylenes	< .003	mg/l	02/20/08 13:35	WG345953
Nitrate	< .1	mg/l	02/20/08 11:08	WG345960
Nitrite	< .1	mg/l	02/20/08 11:08	WG345960
Sulfate	< 5	mg/l	02/20/08 11:08	WG345960
Bis(2-ethylhexyl)phthalate	< .01	ppm	02/21/08 16:44	WG345964
Dissolved Solids	< 10	mg/l	02/22/08 09:47	WG346002
Dissolved Solids	< 10	mg/l	02/22/08 10:03	WG346003
Suspended Solids	< 1	mg/l	02/21/08 08:12	WG346007
Suspended Solids	< 1	mg/l	02/21/08 08:08	WG346008
Ammonia Nitrogen	< .1	mg/l	02/21/08 13:25	WG346031
Phosphorus,Total	< .1	mg/l	02/21/08 02:49	WG346032
Lead,Dissolved	< .005	mg/l	02/21/08 18:47	WG346054
Benzene	< .001	mg/l	02/21/08 07:33	WG346110
Ethylbenzene	< .001	mg/l	02/21/08 07:33	WG346110
Toluene	< .005	mg/l	02/21/08 07:33	WG346110
Total Xylenes	< .003	mg/l	02/21/08 07:33	WG346110
Bis(2-ethylhexyl)phthalate	< .01	ppm	02/22/08 12:03	WG346124
Nitrate	< .1	mg/l	02/21/08 11:34	WG346169
Nitrite	< .1	mg/l	02/21/08 11:34	WG346169
Sulfate	< 5	mg/l	02/21/08 11:34	WG346169
Lead	< .005	mg/l	02/21/08 23:33	WG346207
Suspended Solids	< 1	mg/l	02/22/08 08:05	WG346251
Suspended Solids	< 1	mg/l	02/22/08 08:09	WG346252
Dissolved Solids	< 10	mg/l	02/23/08 10:08	WG346255
Lead,Dissolved	< .005	mg/l	02/21/08 19:42	WG346280
Ammonia Nitrogen	< .1	mg/l	02/22/08 14:13	WG346310
Phosphorus,Total	< .1	mg/l	02/25/08 12:29	WG346313
Benzene	< .001	mg/l	02/22/08 03:37	WG346371
Ethylbenzene	< .001	mg/l	02/22/08 03:37	WG346371
Methyl tert-butyl ether	< .001	mg/l	02/22/08 03:37	WG346371
Toluene	< .005	mg/l	02/22/08 03:37	WG346371
Total Xylenes	< .003	mg/l	02/22/08 03:37	WG346371

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March 04, 2008

Ethane, Total	< .01	mg/l	02/22/08 00:00	WG346507

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Ethane, Total	< .01	mg/l	02/23/08 00:00	WG346507
Methane, Total	< .01	mg/l	02/22/08 00:00	WG346507
Suspended Solids	< 1	mg/l	02/23/08 06:59	WG346509
Benzene	< .001	mg/l	02/23/08 08:47	WG346562
Ethylbenzene	< .001	mg/l	02/23/08 08:47	WG346562
Methyl tert-butyl ether	< .001	mg/l	02/23/08 08:47	WG346562
Toluene	< .005	mg/l	02/23/08 08:47	WG346562
Total Xylenes	< .003	mg/l	02/23/08 08:47	WG346562
Bis(2-ethylhexyl)phthalate	< .01	ppm	02/23/08 18:22	WG346591
Suspended Solids	< 1	mg/l	02/25/08 07:54	WG346670
Suspended Solids	< 1	mg/l	02/25/08 07:59	WG346672
Dissolved Solids	< 10	mg/l	02/26/08 11:25	WG346679
Bis(2-ethylhexyl)phthalate	< .01	ppm	02/26/08 11:11	WG346805
Bis(2-ethylhexyl)phthalate	< .01	ppm	02/26/08 12:01	WG346835
Benzene	< .001	mg/l	02/25/08 14:32	WG346839
Ethylbenzene	< .001	mg/l	02/25/08 14:32	WG346839
Methyl tert-butyl ether	< .001	mg/l	02/25/08 14:32	WG346839
Toluene	< .005	mg/l	02/25/08 14:32	WG346839
Total Xylenes	< .003	mg/l	02/25/08 14:32	WG346839
Benzene	< .001	mg/l	02/26/08 14:03	WG346995
Ethylbenzene	< .001	mg/l	02/26/08 14:03	WG346995
Methyl tert-butyl ether	< .001	mg/l	02/26/08 14:03	WG346995
Toluene	< .005	mg/l	02/26/08 14:03	WG346995
Total Xylenes	< .003	mg/l	02/26/08 14:03	WG346995
Ethane, Total	< .01	mg/l	02/27/08 14:03	WG347254
Ethene, Total	< .01	mg/l	02/27/08 14:03	WG347254
Methane, Total	< .01	mg/l	02/27/08 14:03	WG347254

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Nitrate	mg/l	0.00	< 0.00	0.00	20	L332488-01	WG345893
Nitrate	mg/l	1.10	1.10	0.00	20	L332413-17	WG345893
Nitrite	mg/l	0.00	0.00	0.00	20	L332488-01	WG345893
Nitrite	mg/l	0.00	< 0.00	0.00	20	L332413-17	WG345893
Sulfate	mg/l	8.11	6.80	17.6	20	L332488-01	WG345893
Sulfate	mg/l	29.6	28.0	5.56	20	L332413-17	WG345893
Nitrate	mg/l	1.79	1.80	0.557	20	L332413-16	WG345960
Nitrite	mg/l	0.00	0.00	0.00	20	L332413-16	WG345960
Sulfate	mg/l	24.0	24.0	0.00	20	L332413-16	WG345960
Dissolved Solids	mg/l	793.	790.	0.379	5	L332413-16	WG346002
Dissolved Solids	mg/l	651.	650.	0.154	5	L332413-17	WG346003
Suspended Solids	mg/l	61.8	60.0	2.87	5	L332413-22	WG346007
Suspended Solids	mg/l	1870	1900	1.59	5	L332500-03	WG346007

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Grand Rapids, MI 49546

Quality Assurance Report
Level II

L332413

March 04, 2008

Analyte	Units	Duplicate Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Suspended Solids	mg/l	8.60	8.00	7.23	5	L332413-34	WG346008
Suspended Solids	mg/l	25.7	26.0	1.29	5	L332512-01	WG346008
Ammonia Nitrogen	mg/l	0.00	0.00	0.00	20	L332417-01	WG346031
Ammonia Nitrogen	mg/l	0.00	0.00	0.00	20	L332413-16	WG346031
Phosphorus,Total	mg/l	0.00	0.00	0.00	20	L332413-24	WG346032
Lead,Dissolved	mg/l	0.00	0.00	0.00	20	L332413-19	WG346054
Nitrate	mg/l	0.151	0.150	0.664	20	L332413-32	WG346169
Nitrate	mg/l	0.00	0.00	0.00	20	L332413-33	WG346169
Nitrite	mg/l	0.00	0.00	0.00	20	L332413-32	WG346169
Nitrite	mg/l	0.00	0.00	0.00	20	L332413-33	WG346169
Sulfate	mg/l	7.37	7.20	2.33	20	L332413-32	WG346169
Sulfate	mg/l	0.00	0.00	0.00	20	L332413-33	WG346169
Lead	mg/l	0.00	0.00	0.00	20	L332728-14	WG346207
Suspended Solids	mg/l	43.5	42.0	3.51	5	L332653-03	WG346251
Suspended Solids	mg/l	3980	4000	0.501	5	L332659-04	WG346251
Suspended Solids	mg/l	2270	2300	1.40	5	L332413-26	WG346252
Suspended Solids	mg/l	2010	2000	0.499	5	L332701-03	WG346252
Dissolved Solids	mg/l	126.	120.	4.88	5	L332413-27	WG346255
Lead,Dissolved	mg/l	0.00	0.00	0.00	20	L332413-19	WG346280
Ammonia Nitrogen	mg/l	0.00	0.00	0.00	20	L332701-02	WG346310
Ammonia Nitrogen	mg/l	0.00	0.00	0.00	20	L332413-25	WG346310
Phosphorus,Total	mg/l	0.00	0.00	0.00	20	L332413-31	WG346313
Phosphorus,Total	mg/l	0.00	0.00	0.00	20	L332671-01	WG346313
Suspended Solids	mg/l	2030	2100	3.29	5	L332664-01	WG346509
Suspended Solids	mg/l	766.	790.	3.08	5	L332787-01	WG346509
Suspended Solids	mg/l	16.3	17.0	4.00	5	L332697-06	WG346670
Suspended Solids	mg/l	122.	130.	6.02	5	L332795-02	WG346670
Suspended Solids	mg/l	307.	300.	2.35	5	L332852-01	WG346672
Suspended Solids	mg/l	15.2	15.0	1.32	5	L332897-01	WG346672
Dissolved Solids	mg/l	0.00	0.00	0.00	5	L332413-34	WG346679

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Nitrate	mg/l	8	8.17	102.	90-110	WG345893
Nitrite	mg/l	8	7.87	98.4	90-110	WG345893
Sulfate	mg/l	40	37.7	94.3	90-110	WG345893
Benzene	mg/l	.05	0.0498	99.6	67-126	WG345953
Ethylbenzene	mg/l	.05	0.0546	109.	76-129	WG345953
Toluene	mg/l	.05	0.0492	98.4	72-122	WG345953
Total Xylenes	mg/l	.15	0.162	108.	75-128	WG345953
Nitrate	mg/l	8	8.21	103.	90-110	WG345960

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Level II

L332413

March 04, 2008

Nitrite	mg/l	8	8.07	101.	90-110	WG345960

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Sulfate	mg/l	40	39.1	97.8	90-110	WG345960
Bis(2-ethylhexyl)phthalate	ppm	.01	0.00869	86.9	47-143	WG345964
Dissolved Solids	mg/l	8800	8610	97.9	85-115	WG346002
Dissolved Solids	mg/l	8800	8560	97.3	85-115	WG346003
Suspended Solids	mg/l	778	760.	97.7	85-115	WG346007
Suspended Solids	mg/l	778	780.	100.	85-115	WG346008
Ammonia Nitrogen	mg/l	7.5	8.27	110.	85-115	WG346031
Phosphorus,Total	mg/l	1	0.951	95.1	85-115	WG346032
Lead,Dissolved	mg/l	1.13	1.12	99.1	85-115	WG346054
Benzene	mg/l	.05	0.0479	95.8	67-126	WG346110
Ethylbenzene	mg/l	.05	0.0471	94.2	76-129	WG346110
Toluene	mg/l	.05	0.0439	87.8	72-122	WG346110
Total Xylenes	mg/l	.15	0.136	90.9	75-128	WG346110
Bis(2-ethylhexyl)phthalate	ppm	.01	0.0105	105.	47-143	WG346124
Nitrate	mg/l	8	8.04	101.	90-110	WG346169
Nitrite	mg/l	8	7.94	99.3	90-110	WG346169
Sulfate	mg/l	40	37.6	94.0	90-110	WG346169
Lead	mg/l	1.13	1.11	98.2	85-115	WG346207
Suspended Solids	mg/l	778	816.	105.	85-115	WG346251
Suspended Solids	mg/l	778	784	101.	85-115	WG346252
Dissolved Solids	mg/l	8800	8460	96.1	85-115	WG346255
Lead,Dissolved	mg/l	1.13	1.11	98.2	85-115	WG346280
Ammonia Nitrogen	mg/l	7.5	7.81	104.	85-115	WG346310
Phosphorus,Total	mg/l	1	1.03	103.	85-115	WG346313
Benzene	mg/l	.05	0.0523	105.	67-126	WG346371
Ethylbenzene	mg/l	.05	0.0477	95.4	76-129	WG346371
Methyl tert-butyl ether	mg/l	.05	0.0576	115.	51-142	WG346371
Toluene	mg/l	.05	0.0490	97.9	72-122	WG346371
Total Xylenes	mg/l	.15	0.145	96.5	75-128	WG346371
Ethane, Total	mg/l	1000	1100	110.	60-122	WG346507
Ethene, Total	mg/l	1000	1000	100.	67-113	WG346507
Methane, Total	mg/l	1000	990	99.0	56-121	WG346507
Suspended Solids	mg/l	778	780.	100.	85-115	WG346509
Benzene	mg/l	.05	0.0431	86.2	63-121	WG346562
Ethylbenzene	mg/l	.05	0.0423	84.6	70-121	WG346562
Methyl tert-butyl ether	mg/l	.05	0.0446	89.2	51-137	WG346562
Toluene	mg/l	.05	0.0432	86.4	65-120	WG346562

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Total Xylenes	mg/l	.15	0.124	82.8	68-124	WG346562

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Bis(2-ethylhexyl)phthalate	ppm	.01	0.00647	64.7	47-143	WG346591
Suspended Solids	mg/l	778	792.	102.	85-115	WG346670
Suspended Solids	mg/l	778	808.	104.	85-115	WG346672
Dissolved Solids	mg/l	8800	8590	97.6	85-115	WG346679
Bis(2-ethylhexyl)phthalate	ppm	.01	0.00679	67.9	47-143	WG346805
Bis(2-ethylhexyl)phthalate	ppm	.01	0.00766	76.6	47-143	WG346835
Benzene	mg/l	.05	0.0493	98.6	67-126	WG346839
Ethylbenzene	mg/l	.05	0.0522	104.	76-129	WG346839
Methyl tert-butyl ether	mg/l	.05	0.0414	82.8	51-142	WG346839
Toluene	mg/l	.05	0.0496	99.2	72-122	WG346839
Total Xylenes	mg/l	.15	0.151	101.	75-128	WG346839
Benzene	mg/l	.05	0.0486	97.3	67-126	WG346995
Ethylbenzene	mg/l	.05	0.0527	105.	76-129	WG346995
Methyl tert-butyl ether	mg/l	.05	0.0291	58.2	51-142	WG346995
Toluene	mg/l	.05	0.0497	99.4	72-122	WG346995
Total Xylenes	mg/l	.15	0.152	102.	75-128	WG346995
Ethane, Total	mg/l	1000	1100	110.	60-122	WG347254
Ethene, Total	mg/l	1000	1000	100.	67-113	WG347254
Methane, Total	mg/l	1000	1000	100.	56-121	WG347254

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Nitrate	mg/l	8.16	8.17	0.122	20	102	WG345893
Nitrite	mg/l	7.91	7.87	0.507	20	99	WG345893
Sulfate	mg/l	37.9	37.7	0.529	20	95	WG345893
Benzene	mg/l	0.0455	0.0498	8.98	20	91	WG345953
Ethylbenzene	mg/l	0.0506	0.0546	7.72	20	101	WG345953
Toluene	mg/l	0.0456	0.0492	7.48	20	91	WG345953
Total Xylenes	mg/l	0.151	0.162	6.56	20	101	WG345953
Nitrate	mg/l	8.23	8.21	0.243	20	103	WG345960
Nitrite	mg/l	8.08	8.07	0.124	20	101	WG345960
Sulfate	mg/l	38.5	39.1	1.55	20	96	WG345960
Bis(2-ethylhexyl)phthalate	ppm	0.0098	0.0086	12.1	24	98	WG345964
Dissolved Solids	mg/l	8590	8610	0.279	20	98	WG346002
Dissolved Solids	mg/l	8530	8560	0.375	20	97	WG346003
Suspended Solids	mg/l	764.	760.	0.525	20	98	WG346007
Suspended Solids	mg/l	776.	780.	0.514	20	100	WG346008
Ammonia Nitrogen	mg/l	7.96	8.27	3.82	20	106	WG346031
Phosphorus,Total	mg/l	0.894	0.951	6.18	20	89	WG346032
Benzene	mg/l	0.0468	0.0479	2.37	20	94	WG346130

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Grand Rapids, MI 49546

Quality Assurance Report
Level II

L332413

March 04, 2008

Ethylbenzene	mg/l	0.0469	0.0471	0.321	20	94	WG346110

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Toluene	mg/l	0.0440	0.0439	0.262	20	88	WG346110
Total Xylenes	mg/l	0.138	0.136	0.965	20	92	WG346110
Bis(2-ethylhexyl)phthalate	ppm	0.0105	0.0105	0.573	24	105	WG346124
Nitrate	mg/l	8.06	8.04	0.248	20	101	WG346169
Nitrite	mg/l	7.93	7.94	0.126	20	99	WG346169
Sulfate	mg/l	37.7	37.6	0.266	20	94	WG346169
Suspended Solids	mg/l	800.	816.	1.98	20	103	WG346251
Suspended Solids	mg/l	784.	784.	0.00	20	101	WG346252
Dissolved Solids	mg/l	8420	8460	0.427	20	96	WG346255
Ammonia Nitrogen	mg/l	7.99	7.81	2.28	20	107	WG346310
Phosphorus,Total	mg/l	0.968	1.03	6.21	20	97	WG346313
Benzene	mg/l	0.0527	0.0523	0.748	20	105	WG346371
Ethylbenzene	mg/l	0.0505	0.0477	5.60	20	101	WG346371
Methyl tert-butyl ether	mg/l	0.0584	0.0576	1.39	20	117	WG346371
Toluene	mg/l	0.0494	0.0490	0.923	20	99	WG346371
Total Xylenes	mg/l	0.152	0.145	4.79	20	101	WG346371
Ethane, Total	mg/l	1100	1100	0.00	20	110	WG346507
Ethene, Total	mg/l	1000	1000	0.00	20	100	WG346507
Methane, Total	mg/l	1000	990	1.01	20	100	WG346507
Suspended Solids	mg/l	764.	780.	2.07	20	98	WG346509
Benzene	mg/l	0.0437	0.0431	1.42	20	87	WG346562
Ethylbenzene	mg/l	0.0416	0.0423	1.57	20	83	WG346562
Methyl tert-butyl ether	mg/l	0.0456	0.0446	1.99	20	91	WG346562
Toluene	mg/l	0.0427	0.0432	1.07	20	85	WG346562
Total Xylenes	mg/l	0.123	0.124	0.812	20	82	WG346562
Bis(2-ethylhexyl)phthalate	ppm	0.0064	0.0064	1.09	24	64	WG346591
Suspended Solids	mg/l	808.	792.	2.00	20	104	WG346670
Suspended Solids	mg/l	812.	808.	0.494	20	104	WG346672
Dissolved Solids	mg/l	8680	8590	1.02	20	99	WG346679
Bis(2-ethylhexyl)phthalate	ppm	0.0074	0.0067	9.14	24	74	WG346805
Bis(2-ethylhexyl)phthalate	ppm	0.0075	0.0076	1.58	24	75	WG346835
Benzene	mg/l	0.0479	0.0493	2.92	20	96	WG346839
Ethylbenzene	mg/l	0.0510	0.0522	2.34	20	102	WG346839
Methyl tert-butyl ether	mg/l	0.0393	0.0414	5.29	20	79	WG346839
Toluene	mg/l	0.0482	0.0496	2.98	20	96	WG346839
Total Xylenes	mg/l	0.148	0.151	2.07	20	99	WG346839
Benzene	mg/l	0.0463	0.0486	4.95	20	93	WG346995
Ethylbenzene	mg/l	0.0498	0.0527	5.54	20	100	WG346995
Methyl tert-butyl ether	mg/l	0.0280	0.0291	3.70	20	56	WG346995
Toluene	mg/l	0.0469	0.0497	5.81	20	94	WG346995

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March 04, 2008

Total Xylenes	mg/l	0.145	0.152	5.16	20	96	WG346995

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Ethane, Total	mg/l	1090	1100	9.52	20	100	WG347254
Ethene, Total	mg/l	990.	1000	1.01	20	99	WG347254
Methane, Total	mg/l	970.	1000	3.05	20	97	WG347254

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Nitrate	mg/l	5.84	0.790	5	101.	80-120	L332493-01	WG345893
Nitrite	mg/l	5.16	0.00	5	103.	80-120	L332493-01	WG345893
Sulfate	mg/l	54.4	3.84	50	101.	80-120	L332493-01	WG345893
Benzene	mg/l	0.0446	0.00	.05	89.2	16-158	L332160-01	WG345953
Ethylbenzene	mg/l	0.0500	0.00	.05	100.	29-150	L332160-01	WG345953
Toluene	mg/l	0.0454	0.00	.05	90.7	22-152	L332160-01	WG345953
Total Xylenes	mg/l	0.150	0.00	.15	99.9	27-151	L332160-01	WG345953
Nitrate	mg/l	5.66	0.840	5	96.4	80-120	L332413-19	WG345960
Nitrite	mg/l	4.85	0.00	5	97.0	80-120	L332413-19	WG345960
Sulfate	mg/l	53.1	5.70	50	94.8	80-120	L332413-19	WG345960
Ammonia Nitrogen	mg/l	5.19	0.00	5	104.	80-120	L332413-19	WG346031
Phosphorus,Total	mg/l	2.47	0.00	2.5	98.8	80-120	L332413-19	WG346032
Lead,Dissolved	mg/l	1.11	0.00	1.13	98.2	75-125	L332413-19	WG346054
Benzene	mg/l	0.0405	0.00	.05	80.9	16-158	L332429-16	WG346110
Ethylbenzene	mg/l	0.0404	0.00	.05	80.9	29-150	L332429-16	WG346110
Toluene	mg/l	0.0374	0.00	.05	74.7	22-152	L332429-16	WG346110
Total Xylenes	mg/l	0.118	0.00	.15	78.5	27-151	L332429-16	WG346110
Nitrate	mg/l	6.61	1.90	5	94.2	80-120	L332508-01	WG346169
Nitrite	mg/l	4.64	0.00	5	92.8	80-120	L332508-01	WG346169
Sulfate	mg/l	57.7	10.1	50	95.2	80-120	L332508-01	WG346169
Lead	mg/l	1.13	0.00	1.13	100.	75-125	L332728-14	WG346207
Lead,Dissolved	mg/l	1.11	0.00	1.13	98.2	75-125	L332413-30	WG346280
Ammonia Nitrogen	mg/l	5.63	0.370	5	105.	80-120	L332413-30	WG346310
Phosphorus,Total	mg/l	2.95	0.360	2.5	104.	80-120	L332413-29	WG346313
Benzene	mg/l	0.0594	0.00	.05	119.	16-158	L332413-28	WG346371
Ethylbenzene	mg/l	0.0540	0.00	.05	108.	29-150	L332413-28	WG346371
Methyl tert-butyl ether	mg/l	0.0623	0.00	.05	125.	24-167	L332413-28	WG346371
Toluene	mg/l	0.0549	0.00	.05	110.	22-152	L332413-28	WG346371
Total Xylenes	mg/l	0.161	0.00	.15	107.	27-151	L332413-28	WG346371
Benzene	mg/l	2.40	0.0610	.05	93.4	16-158	L332088-03	WG346562
Ethylbenzene	mg/l	2.37	0.00	.05	94.6	29-150	L332088-03	WG346562
Methyl tert-butyl ether	mg/l	2.16	0.00	.05	86.3	24-167	L332088-03	WG346562
Toluene	mg/l	2.86	0.360	.05	92.0	22-152	L332088-03	WG346562
Total Xylenes	mg/l	7.16	0.360	.15	90.7	27-151	L332088-03	WG346562
Bis(2-ethylhexyl)phthalate	ppm	0.0020	0.00	.01	20.6	10-115	L332413-19	WG346805
Benzene	mg/l	0.467	0.00	.05	93.5	16-158	L332910-01	WG346839
Ethylbenzene	mg/l	0.500	0.00	.05	99.9	29-150	L332910-01	WG346839

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Level II

L332413

March 04, 2008

Methyl tert-butyl ether	mg/l	0.364	0.00	.05	72.8	24-167	L332910-01	WG346839

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Toluene	mg/l	0.472	0.00	.05	94.4	22-152	L332910-01	WG346839
Total Xylenes	mg/l	1.45	0.00	.15	96.8	27-151	L332910-01	WG346839
Benzene	mg/l	0.880	0.00	.05	88.0	51-134	L332750-01	WG346995
Ethylbenzene	mg/l	0.985	0.00	.05	98.5	55-125	L332750-01	WG346995
Methyl tert-butyl ether	mg/l	0.457	0.00	.05	45.7	50-137	L332750-01	WG346995
Toluene	mg/l	0.909	0.00	.05	90.9	57-126	L332750-01	WG346995
Total Xylenes	mg/l	2.88	0.0054	.15	95.9	54-129	L332750-01	WG346995

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Nitrate	mg/l	5.74	5.84	1.73	20	99.0	L332493-01	WG345893
Nitrite	mg/l	5.02	5.16	2.75	20	100.	L332493-01	WG345893
Sulfate	mg/l	52.8	54.4	2.99	20	97.9	L332493-01	WG345893
Benzene	mg/l	0.0457	0.0446	2.47	21	91.4	L332160-01	WG345953
Ethylbenzene	mg/l	0.0508	0.0500	1.42	24	102.	L332160-01	WG345953
Toluene	mg/l	0.0456	0.0454	0.474	22	91.2	L332160-01	WG345953
Total Xylenes	mg/l	0.151	0.150	0.650	23	101.	L332160-01	WG345953
Nitrate	mg/l	5.74	5.66	1.40	20	98.0	L332413-19	WG345960
Nitrite	mg/l	4.96	4.85	2.24	20	99.2	L332413-19	WG345960
Sulfate	mg/l	53.7	53.1	1.12	20	96.0	L332413-19	WG345960
Ammonia Nitrogen	mg/l	5.04	5.19	2.93	20	101.	L332413-19	WG346031
Phosphorus,Total	mg/l	2.47	2.47	0.00	20	98.8	L332413-19	WG346032
Lead,Dissolved	mg/l	1.12	1.11	0.897	20	99.1	L332413-19	WG346054
Benzene	mg/l	0.0371	0.0405	8.76	21	74.1	L332429-16	WG346110
Ethylbenzene	mg/l	0.0392	0.0404	3.22	24	78.3	L332429-16	WG346110
Toluene	mg/l	0.0360	0.0374	3.73	22	72.0	L332429-16	WG346110
Total Xylenes	mg/l	0.117	0.118	0.609	23	78.0	L332429-16	WG346110
Nitrate	mg/l	6.76	6.61	2.24	20	97.2	L332508-01	WG346169
Nitrite	mg/l	4.64	4.64	0.00	20	92.8	L332508-01	WG346169
Sulfate	mg/l	58.3	57.7	1.03	20	96.4	L332508-01	WG346169
Lead	mg/l	1.14	1.13	0.881	20	101.	L332728-14	WG346207
Lead,Dissolved	mg/l	1.11	1.11	0.00	20	98.2	L332413-35	WG346280
Ammonia Nitrogen	mg/l	5.47	5.63	2.88	20	102.	L332413-30	WG346310
Phosphorus,Total	mg/l	2.89	2.95	2.05	20	101.	L332413-29	WG346313
Benzene	mg/l	0.0593	0.0594	0.244	21	119.	L332413-28	WG346371
Ethylbenzene	mg/l	0.0545	0.0540	0.977	24	109.	L332413-28	WG346371
Methyl tert-butyl ether	mg/l	0.0627	0.0623	0.729	22	125.	L332413-28	WG346371
Toluene	mg/l	0.0553	0.0549	0.764	22	111.	L332413-28	WG346371
Total Xylenes	mg/l	0.162	0.161	0.826	23	108.	L332413-28	WG346371
Benzene	mg/l	2.37	2.40	1.28	21	92.2	L332088-03	WG346562
Ethylbenzene	mg/l	2.35	2.37	0.676	24	94.0	L332088-03	WG346562
Methyl tert-butyl ether	mg/l	2.14	2.16	0.792	22	85.6	L332088-03	WG346562
Toluene	mg/l	2.64	2.66	0.681	22	91.2	L332088-03	WG346562
Total Xylenes	mg/l	7.14	7.16	0.351	23	90.3	L332088-03	WG346562

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Mr. Eric Vinke
2025 East Beltline Ave. SE Ste 402

Grand Rapids, MI 49546

Quality Assurance Report
Level II

L332413

March 04, 2008

Analyte	Units	Matrix Spike Duplicate MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Bis(2-ethylhexyl)phthalate *	ppm	0.0018	0.0020	11.3	33	18.4	L332413-19	WG346805
Benzene	mg/l	0.457	0.467	2.29	21	91.3	L332910-01	WG346839
Ethylbenzene	mg/l	0.485	0.500	3.08	24	96.9	L332910-01	WG346839
Methyl tert-butyl ether	mg/l	0.354	0.364	2.63	22	70.9	L332910-01	WG346839
Toluene	mg/l	0.463	0.472	2.04	22	92.5	L332910-01	WG346839
Total Xylenes	mg/l	1.41	1.45	2.99	23	94.0	L332910-01	WG346839
Benzene	mg/l	0.855	0.880	2.88	21	85.5	L332750-01	WG346995
Ethylbenzene	mg/l	0.953	0.985	3.24	24	95.3	L332750-01	WG346995
Methyl tert-butyl ether	mg/l	0.403	0.457	12.7	22	40.3	L332750-01	WG346995
Toluene	mg/l	0.870	0.909	4.31	22	87.1	L332750-01	WG346995
Total Xylenes	mg/l	2.78	2.88	3.81	23	92.3	L332750-01	WG346995

Batch number /Run number / Sample number cross reference

WG345893: R353632: L332413-17 18 20
WG345960: R353645: L332413-16 19 21 22 23 24 25
WG346054: R353675 R353676: L332413-16 18 19 20 22 23 24 25 17
WG345953: R353681: L332413-01 02 03 04 05 06 07
WG346031: R353728: L332413-16 17 18 19 20 21 22 23 24 25
WG346110: R353766: L332413-08 09 10 11 12 13 14 15
WG346032: R353769: L332413-16 17 18 19 20 21 22 23 24 25
WG346169: R353807: L332413-26 27 28 29 30 31 32 33 34
WG346007: R353810: L332413-22 25
WG346008: R353823: L332413-16 17 18 19 20 23 24
WG346002: R353826: L332413-16 19 20 22 25
WG346003: R353830: L332413-17 18 21 23 24
WG346207: R353832: L332413-31 33 34
WG346280: R353842: L332413-26 27 28 29 30 32 35
WG345964: R353849: L332413-05 06 13
WG346124: R353893: L332413-01 02 03 04 07 08 09 10 12 14 25
WG346310: R353918: L332413-26 27 28 29 30 31 32 33 34
WG346252: R353943: L332413-26 35
WG346562: R354145: L332413-16 17 18 19 20 21 22 23 24 25
WG346251: R354226: L332413-32
WG346255: R354227: L332413-26 27 28 29 31 32
WG346371: R354272: L332413-28 29 30 31 32 33 34
WG346509: R354273: L332413-27 31
WG346507: R354312: L332413-16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
WG346591: R354330: L332413-27 28 29 30 31 33 34
WG346313: R354388: L332413-26 27 28 29 30 31 32 33 34
WG346670: R354499: L332413-28 29 30
WG346839: R354520: L332413-27 32
WG346672: R354522: L332413-33 34
WG346679: R354567: L332413-30 33 34
WG346835: R354599: L332413-18 21 25 26 32
WG346805: R354602: L332413-11 16 17 19 20 22 23 24
WG346995: R354669: L332413-26
WG347254: R354779: L332413-33 34
WG347490: R354919: L332413-36 37 38 39 40 41 42 43 44
WG347765: R355136: L332413-45 46 47 48 49 50 51 52 53 54 55

* * Calculations are performed prior to rounding of reported values .

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Quality Assurance Report
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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

RMT, Inc - Grand Rapids, MI

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Alternate billing information:

Chain of Custody
Page 1 of 2

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

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

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725

Collected by (print): EV / SP
Site/Facility ID#: NJ
P.O.#: 6527.29

Collected by (signature): E. Vinke
S. Pawlikiewicz
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Accutum: RMTGRMI (lab use only)
Template/Prelogin: T44116/P234689
Cooler #: 2-7 [illegible]
Shipped via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SV8270BN-DEHP 1L-Amb-NoPres	V8260BTEX 40mlAmb-HCl					Remarks/Contaminant	Sample # (lab only)
SW-D-1	Grab	GW	NA	2/18/08	1550	4	X	X						L3324/3-01
SW-D-2	↓	GW	↓	↓	1535	4	X	X						02
SW-D-3	↓	GW	↓	↓	1521	4	X	X						03
SW-D-4	↓	GW	↓	↓	1442	4	X	X						04
SW-D-5	↓	GW	↓	↓	1355	4	X	X						05
DRC-2	↓	GW	↓	↓	1345	4	X	X						06
SW-R-1	↓	GW	↓	↓	1408	4	X	X						07
SW-R-2	↓	GW	↓	↓	1415	4	X	X						08
SW-R-3	↓	GW	↓	↓	1425	4	X	X						09

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: All surface water samples

(9632 6244 6326) (9632 6244 6337) (9632 6244 6315) (9632 6244 6304)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
E. Vinke	2/18/08	18:00	Fed Ex		
Relinquished by: [illegible]	Date:	Time:	Received by: (Signature)	Temp: 5.19 Bottles Received: 61	COC Seal Intact: Y N ✓ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2/19/08 Time: 900	pH Checked: NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody
Page 2 of 2

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / S. Pawlukiewicz
Immediately Packed on Ice N ___ Y X
Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%
Date Results Needed: 2 wks
Email? ___No X Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T84116 / P234689
Quote #: 7
PM: YLS
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SVOC-UBN-DEHP 1L Amb-NoP	V8260BTEX 40mlAmb-HCl					Remarks/Contaminant	Sample # (lab only)
SW-R-4	Grab	GW	NA	2/18/08	1435	4	X	X						L332413-10
SW-R-5	↓	GW	↓	↓	1635	4	X	X						11
SW-R-6		GW			1620	4	X	X						12
SW-D-1 MS/MSD		GW			1550	4	X	X						13
DUP-01		GW			—	4	X	X						14
RB-01	↓	GW	↓	↓	1645	4	X	X						15
		GW				4	X	X						16
TB-01	—		—	2/18/08	—	2		X						17

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

(SR)

pH _____ Temp _____
Flow _____ Other _____

Remarks: Surface Water Samples

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition:	Lab use only
E. Vinke	2/18/08	18:00	Fed Ex			
Relinquished by: [redacted]	Date:	Time:	Received by: ([redacted])	Temp: 2.1°C Bottles Received: 61	COC Seal Intact:	Y N NA
Relinquished by: ([redacted])	Date:	Time:	Received for lab by: (Signature)	Date: 2/19/08 Time: 9:00	pH Checked:	NCF:

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody
Page 1 of 6

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / S. Pawlukiewicz
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelog: T41528/P234694
Cooler: 2/19/08
Shipped Via: FedEx Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40ml Amb-NoPres	NH3,T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate,Nitrite 125mlHDPE-NoPres	BBDICP 500mlHDPE-Add HNO3	SO4,TDS 500mlHDPE-NoPres	SV8270BN 1L Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
~~MW-19~~	~~Grab~~	~~GW~~				~~11~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
MW-19-4	Grab	GW	NA	2/19/08	1048	11	X	X	X		X	X	X	X		L33 2413-16
~~MW-19-5~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		
MW-19-6	Grab	GW	NA	2/19/08	1528	11	X	X	X		X	X	X	X		-17
MW-19-7	Grab	GW	NA	2/19/08	1655	11	X	X	X		X	X	X	X		-18
MW-19-12	Grab	GW	NA	2/19/08	1405	11	X	X	X		X	X	X	X		-19
MW-25(R)	Grab	GW	NA	2/19/08	1050	11	X	X	X		X	X	X	X		-20
MW-27S	Grab	GW	NA	2/19/08	1745	9 ~~11~~	X	X	X		~~X~~	X	X	~~X~~		-21
~~MW-28S~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		

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

Remarks: Dissolved Lead to be field filtered.

pH _____ Temp _____
9220
Flow _____ Other _____
9219
9250
3446 3079 8886

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
[signature]	2/19/08	1900	FedEx [redacted]
Relinquished by: [redacted]	Date:	Time:	Received by: (Signature)
Relinquished by: [redacted]	Date:	Time:	Received for lab by: (Signature) [signature]

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐
Temp: 3.5 Bottles Received: 119 [illegible]
Date: 2/20/08 Time: 9:00 am
Condition: (lab use only)
COC Seal Intact: Y N NA
pH Checked: <2 NCF: X

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody
Page 2 of 6

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

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

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

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: 141528/P234694
Cooler #: 2018
Shipped Via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40mlAmb-NoPres	NH3,T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate,Nitrite 125mlHDPE-NoPres	PEDICP 500mlHDPE-Add HNO3	SO4,TDS 500mlHDPE-NoPres	SS 8270BN 1L-Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
~~MW-28I~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		L332913
MW-29S	Grab	GW	NA	2/19/08	0855	11	X	X	X		X	X	X	X		-22
~~MW-30S~~		~~GW~~				~~11~~	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	~~X~~		
MW-30I	Grab	GW	NA	2/19/08	1538	11	X	X	X		X	X	X	X		-23
MW-30D	Grab	GW	NA	2/19/08	1428	11	X	X	X		X	X	X	X		-24
Dup-02		GW				11	X	X	X		X	X	X	X		-25
		GW				11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		
		GW				11	X	X	X		X	X	X	X		

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
[signature]	2/19/08	1900	FedEx		
Relinquished by: [illegible]	Date:	Time:	Received by: (Signature) [illegible]	Temp: [illegible] Bottles Received: [illegible]	COC Seal Intact: Y ___ N ✓NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: [illegible] Time: [illegible]	pH Checked: <2 NCF:

RM[illegible], Inc - Grand Rapids, MI

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

Alternate billing information: [illegible]

Chain of Custody
Page 3 of 6

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / S. Pankking
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/P234694
Cooler #: 2/18
Shipped Via: FedEx Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Meth, Ethane, Ethene 40mlAmb-NoPres	NH3,T. Phos 250mlHDPE-H2SO4	Nitrate, Nitrite 125mlHDPE-NoPres	Nitrate,Nitrite 125mlHDPE-NoPres	PBDICP 500mlHDPE-Add HNO3	SO4,TDS 500mlHDPE-NoPres	SV8270BN 1L-Amb-NoPres	TSS 1L-HDPE NoPres	Remarks/Contaminant	Sample # (lab only)
MW-30S	Grab	GW	NA	2/20/08	0[illegible]5	11	X	X	X	X	X	X	X	X		332413-26
MW-19-5	↓	GW	↓	↓	0949	11	X	X	X	X	X	X	X	X		-27
MW-19	↓	GW	↓	↓	1124	11	X	X	X	X	X	X	X	X		-28
MW-28S	↓	GW	↓	↓	1408	11	X	X	X	X	X	X	X	X		-29
MW-28I	↓	GW	↓	↓	1428	11	X	X	X	X	X	X	X	X		-30
ATM-01	↓	GW	↓	↓	1000	11	X	X	X	X	X	X	X	X	Total Lead	-31
DUP-03	↓	GW	↓	↓	—	11	X	X	X	X	X	X	X	X		-32
RB-02	↓	GW	↓	↓	1525	11	X	X	X	X	X	X	X	X	Total Lead	-33
RB-03	↓	GW	↓	↓	1530	11	X	X	X	X	X	X	X	X	Total Lead	-34
MW-27S	Grab	GW	NA	2/20/08	0700	2					X		X			-35

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

9446 7879 9171

ATM-01, RB-02, RB-03 } Total Lead

9446 7879 9208 9446 7879 9193 9446 7879 9182

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
E. Vinke	2/20/08	1730	FedEx [illegible]		
Relinquished by: [illegible]	Date:	Time:	Received by: (Signature)	Temp: 3.4 Bottles Received: 10	COC Seal Intact: Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [illegible]	Date: 2/21/08 Time: 9:00	pH Checked: <2 NCF: ✓

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody
Page 4 of 6

Prepared by:

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

Report to: Mr. Eric Vinke

Email: jennifer.overvoorde@rmtinc.

Project Description: LE Carpenter

City/State Collected: Wharton, NJ

Phone: (616) 975-5415
FAX: (616) 975-1098

Client Project #: 6527.29

Lab Project #: RMTGRMI-652725

Collected by (print): EV

Site/Facility ID#: NJ

P.O.#: 6527.29

Collected by (signature): E. Vinke
S Pawlowski
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis/Container/Preservative: 8260BTEXM [illegible] HCl

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528 P234694
Cooler #: 2/6/8
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260BTEXM [illegible] HCl	Remarks/Contaminant	Sample # (lab only)
~~MW-19~~		~~GW~~				~~11~~	~~X~~		L332413
MW-19-4	Grab	GW	NA	2/19/08	1048	11	X		-16
~~MW-19-5~~		~~GW~~				~~11~~	~~X~~		
MW-19-6	Grab	GW	NA	2/19/08	1528	11	X		-17
MW-19-7	Grab	GW	NA	↓	1655	11	X		-18
MW-19-12	Grab	GW	NA	↓	1405	11	X		-19
MW-25(R)	Grab	GW	NA	↓	1050	11	X		-20
MW-27S	Grab	GW	NA	2/19/08	1745	9 ~~11~~	X		-21
~~MW-28S~~		~~GW~~				~~11~~	~~X~~		

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

pH _____ Temp _____

Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ___	Condition: (lab use only)
E. Vinke	2/19/08	1900	Ed [illegible]		
Relinquished by: [illegible]	Date:	Time:	Received by: (Signature) [illegible]	Temp: 3.5 Bottles Received: 119 + 118	COC Seal Intact: Y ___ N ✓ NA
Relinquished by: [illegible]	Date:	Time:	Received for lab by: (Signature) [illegible]	Date: 2/20/08 Time: 9:00 a.m.	pH Checked: [illegible] NCF: ✓

RMT, Inc - Grand Rapids, MI

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

Alternate billing information:

Chain of Custody
Page 5 of 6

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

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

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

Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725

Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29

Collected by (signature): E. Vinke
S. Parkhing
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: T41528/P234694
Cooler #: 2 of 5
Shipped Via: FedEX Ground

Analysis/Container/Preservative: 8260BTEXM 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260BTEXM 40mlAmb-HCl	Remarks/Contaminant	Sample # (lab only)
~~MW-28I~~		~~GW~~				~~11~~	~~X~~		1332413
MW-29S	Grab	GW	NA	2/19/08	0855	11	X		22
~~MW-30S~~		~~GW~~				~~11~~	~~X~~		
MW-30I	Grab	GW	NA	2/19/08	1538	11	X		23
MW-30D	Grab	GW	NA	2/19/08	1428	11	X		24
Dup-02		GW				11	X		25
		GW				11	X		
		GW				11	X		
		GW				11	X		

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

Remarks: Dissolved Lead to be field filtered.

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
E. Vinke	2/19/08	1900	FedEx		
Relinquished by: [redacted]	Date:	Time:	Received by: (S[redacted])	Temp: 3.5 Bottles Received: 114	COC Seal Intact: ___ Y ___ N ✓ NA
Relinquished by: [redacted]ture)	Date:	Time:	Received for lab by: (Signature)	Date: 2/20/08 Time: 9:00am	pH Checked: <2 NCF:

RM[redacted], Inc - Grand Rapids, MI

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

Alternate billing information: [redacted]

Analysis/Container/Preservative

Chain of Custody [redacted] Page 1 of 1

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

Report to: Mr. Eric Vinke
Email: jennifer.overvoorde@rmtinc.
Project Description: LE Carpenter
City/State Collected: Wharton, NJ
Phone: (616) 975-5415
FAX: (616) 975-1098
Client Project #: 6527.29
Lab Project #: RMTGRMI-652725
Collected by (print): EV/SP
Site/Facility ID#: NJ
P.O.#: 6527.29
Collected by (signature): E. Vinke / S. Pendelbury
Immediately Packed on Ice N ___ Y ✓

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

Date Results Needed: 2 wks
Email? ___No ✓Yes
FAX? ___No ___Yes

Acctnum: RMTGRMI (lab use only)
Template/Prelogin: 141519/ P234694
Cooler #: 2/2
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOC 8260B TEXM 40ml Amb - HCL						Remarks/Contaminant	Sample # (lab only)
MW-30S	Grab	GW	NA	2/20/08	0835	11	X							L2291325
MW-19-5		GW			0949	11	X							-26
MW-19		GW			1124	11	X							-27
MW-28S		GW			1408	11	X							-28
MW-28I		GW			1425	11	X							-29
ATM-01		GW			1000	11	X							-30
DUP-03		GW			—	11	X							-31
RB-02		GW			1525	11	X							-32
RB-03	✓	GW	✓	✓	1530	11	X							-33
MW-27S	Grab	GW	NA	2/20/08	0700	2								-34
														-35

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: Dissolved Lead to be field filtered.

TB -03

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
E. Vinke	2/20/08	1730	FedEx [redacted]		
Relinquished by: [redacted]	Date:	Time:	Received by: (Signature) [redacted]	Temp: 1.1° Bottles Received: 101 + 1TB	Cooler Seal Intact: ___Y ___N ___NA
Relinquished by: [redacted]	Date:	Time:	Received for lab by: (Signature)	Date: 2/21/08 Time: 9:00	pH Checked: ___ NCF: ___

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L332413

Date: 2/20/08

Evaluated by: Tim Randolph

Client: rmtgrmi

Non-Conformance (check applicable items)

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

____ Insufficient packing material around container

____ Insufficient packing material inside cooler

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

____ Sample was frozen

Comments: ① received ms/msd for "MW-19-12". ② received "dup 02" not on chain

Login Instructions:

TSR Initials: [signature]

Client informed by call / email / fax / voice mail date: 2/20/08 time: 10:20

Client contact:

Log to L332413

add Dup, MS/MSD for MW-19-12 -

LESLIE

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L332413 (JR)

Date: 2/21/08

Evaluated by: JASON R.

Client: RMTGRMI

Non-Conformance (check applicable items)

	Chain of Custody is missing	✓	Login Clarification Needed
	Improper container type		Improper preservation
	Chain of custody is incomplete		Container lid not in tact
	Parameter(s) past holding time		Improper temperature
	Broken container(s) **see below**		Broken container: sufficient sample volume remains for analysis requested
	Insufficient packing material around container		
	Insufficient packing material inside cooler		
	Improper handling by carrier (FedEx / UPS / Courier)		
	Sample was frozen		

Comments: FOR "MW-27S" - RECEIVED TSS CONTAINER, CLIENT MARKED SV8270BN ON COC.

(RUN TSS OR SV8270BN)

Login Instructions: **TSR Initials:** LJ

Client informed by call / email / fax / voice mail date: 2-21-08 time: 1305

Client contact: Eric Vinke

TSS

the standard in safety

Underwriters Laboratories

Laboratory Report

Client: Environmental Science

Attn: Janice Cozby
12065 Lebanon Road
Mt. Juliet, TN 37122

Report: 198057
Priority: Standard Written
Status: Final
PWS ID: Not Supplied

Copies to: None

Sample Information

UL ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
1794464	MW-30S	9215 B	02/20/08 08:35	Client	02/21/08 09:00
1794465	MW-19-5	9215 B	02/20/08 09:49	Client	02/21/08 09:00
1794466	MW-19	9215 B	02/20/08 11:24	Client	02/21/08 09:00
1794467	MW-28S	9215 B	02/20/08 14:08	Client	02/21/08 09:00
1794468	MW-28I	9215 B	02/20/08 14:28	Client	02/21/08 09:00
1794469	ATM-01	9215 B	02/20/08 10:00	Client	02/21/08 09:00
1794470	DUP-03	9215 B	02/20/08 00:00	Client	02/21/08 09:00
1794471	RB-02	9215 B	02/20/08 15:25	Client	02/21/08 09:00
1794472	RB-03	9215 B	02/20/08 15:30	Client	02/21/08 09:00

Report Summary

Note: The samples submitted from sites MW-30s, MW-19-5, ATM-01 and DUP-03 were received outside the twenty-four hour hold time.

Note: The sample submitted from site MW-19 was analyzed outside the twenty-four hour hold time.

Note: Sample containers were provided by the client.

Detailed quantitative results are presented on the following pages.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Trott at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from Underwriters Laboratories (UL).

Kelly Trott — Authorized Signature

Project Manager — Title

2/27/2008 — Date

Client Name: Environmental Science
Report #: 198057

Underwriters Laboratories Inc.
110 S. Hill Street, South Bend, IN 46617-2702 USA
T:: 800.332.4345 / F:: 574.233.8207 / W:: ul.com

Client Name: Environmental Science

Report #: 198057

Sampling Point: MW-30S

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Heterotrophic Plate Count	9215 B	---	1	1100	cfu/ml	---	02/21/08 12:47	1794464

Sampling Point: MW-19-5

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Heterotrophic Plate Count	9215 B	---	1	380	cfu/ml	---	02/21/08 12:47	1794465

Sampling Point: MW-19

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Heterotrophic Plate Count	9215 B	---	1	150	cfu/ml	---	02/21/08 12:48	1794466

Sampling Point: MW-28S

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Heterotrophic Plate Count	9215 B	---	1	80	cfu/ml	---	02/21/08 12:49	1794467

Sampling Point: MW-28I

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Heterotrophic Plate Count	9215 B	---	1	< 1	cfu/ml	---	02/21/08 12:49	1794468

Client Name: Environmental Science

Report #: 198057

Sampling Point: ATM-01

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
—	Heterotrophic Plate Count	9215 B	—	1	< 1	cfu/ml	—	02/21/08 12:48	1794469

Sampling Point: DUP-03

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
—	Heterotrophic Plate Count	9215 B	—	1	170	cfu/ml	—	02/21/08 12:50	1794470

Sampling Point: RB-02

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
—	Heterotrophic Plate Count	9215 B	—	1	< 1	cfu/ml	—	02/21/08 12:49	1794471

Sampling Point: RB-03

PWS ID: Not Supplied

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
—	Heterotrophic Plate Count	9215 B	—	1	< 1	cfu/ml	—	02/21/08 12:50	1794472

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	|

Appendix E
Project Schedule

Calander Years 2004 through 2008
Source Reduction Remedial Action Precontruction Permitting and RAWP Submittal through the Present

L. E. Carpenter & Company ~ Wharton NJ
MASTER PROJECT SCHEDULE

USEPA ID No. NJD002168748
1Q08 RAPR
Tue 4/29/08

	Task Name	Duration	Start	Finish
	SOURCE REDUCTION	**918 days**	**Fri 4/16/04**	**Wed 10/24/07**
2	Submit the RAWP for Source Reduction	0 days	Tue 4/27/04	Tue 4/27/04
3	Regulatory review and approval of RAWP	171 days	Tue 4/27/04	Tue 12/21/04
4	Finalize preconstruction permitting issues	162 days	Fri 4/16/04	Mon 11/29/04
5	Source Reduction Remedial Action [Field Construction]	126 days	Thu 1/6/05	Thu 6/30/05
6	**2005 Wetland Area Post Source Reduction Mitigation & Reporting**	**128 days**	**Fri 6/24/05**	**Tue 12/20/05**
7	Prepared and Submit the Wetland Mitigation Construction Final Report	46 days	Fri 6/24/05	Sun 8/28/05
8	Fall 2005 Monitoring and Invasive Species Control Event	1 day	Mon 10/3/05	Mon 10/3/05
9	Prepare and Submit the 2005 Compensatory Mitigation Monitoring Report [1 of 5]	56 days	Tue 10/4/05	Tue 12/20/05
10	Prepare and submit the Source Reduction Remedial Action Report (RAR)	101 days	Fri 7/1/05	Fri 11/18/05
11	Regulatory review and comment on RAR	148 days	Mon 11/21/05	Wed 6/14/06
12	RMT response to 6/14/06 regulatory RAR comments	52 days	Thu 6/15/06	Fri 8/25/06
13	Regulatory review of 8/25/06 RAR response to comments	230 days	Mon 8/28/06	Fri 7/13/07
14	RMT response to 7/13/07 NJDEP email on RAR comments	8 days	Mon 7/16/07	Wed 7/25/07
15	Regulatory approval of RAR and 6/14/06, 8/25/06 and 7/13/07 comments	0 days	Fri 9/14/07	Fri 9/14/07
16	**USEPA Source Reduction Explanation of Significant Difference [ESD]**	**76 days**	**Tue 7/10/07**	**Wed 10/24/07**
17	Conversations with and response to USEPA [Michelle Granger] ESD emails dated July 10 and July 13 2007	8 days	Tue 7/10/07	Thu 7/19/07
18	USEPA issues an ESD for soils and free product addressed through implementation of the Source Reduction	0 days	Wed 10/24/07	Wed 10/24/07
19	**Post Remedial Monitoring Plan [PRMP] IMPLEMENTATION**	**771 days**	**Fri 7/1/05**	**Fri 6/13/08**
20	Preparation and submittal of the PRMP	76 days	Fri 7/1/05	Fri 10/14/05
21	NJDEP/USEPA PRMP review and comment period	119 days	Mon 10/17/05	Thu 3/30/06
22	Partial Field Implementation and Documentation of the PRMP	10 days	Mon 6/5/06	Fri 6/16/06
23	**NJDEP LURP Mounded Monitoring Well Installation Permitting**	**430 days**	**Mon 7/10/06**	**Fri 2/29/08**
24	GP-14 Permit Application Preparation and Submittal to NJDEP LURP	26 days	Mon 7/10/06	Mon 8/14/06
25	**NJDEP LURP GP-14 Permit Application Completeness and Technical Review**	**404 days**	**Tue 8/15/06**	**Fri 2/29/08**
72	Stream Encroachment Permit [SEP] Modification Application Preparation and Submittal to NJDEP LURP	22 days	Thu 2/22/07	Fri 3/23/07
[illegible]	**NJDEP LURP SEP Modification Application Completeness and Technical Review**	**245 days**	**Mon 3/26/07**	**Fri 2/29/08**
112	Receive GP-14 and mmSEP Permits	0 days	Fri 2/29/08	Fri 2/29/08
113	Install the Five (5) Mounded Wetland Monitoring Wells (MW-31S - MW-35S)	5 days	Mon 4/7/08	Fri 4/11/08
114	PRMP Implementation Wetland Restoration Activities [Mounds and Disturbed Areas]	2 edays	Thu 4/10/08	Sat 4/12/08
115	Preparation and Submittal of the Final PRMP Implementation Report	75 days	Mon 3/3/08	Fri 6/13/08
116	**QUARTERLY MONITORING AND REPORTING**	**765 days**	**Mon 2/27/06**	**Fri 1/30/09**
117	**2006 Monitoring and Reporting**	**285 days**	**Mon 2/27/06**	**Fri 3/30/07**
127	**2007 Monitoring and Reporting**	**267 days**	**Tue 1/23/07**	**Wed 1/30/08**
137	**2008 Monitoring and Reporting**	**250 days**	**Mon 2/18/08**	**Fri 1/30/09**
138	Conduct 1Q08 Monitoring Event	5 days	Mon 2/18/08	Fri 2/22/08
139	Prepare and Submit 1Q08 Remedial Action Progress Report	48 days	Wed 2/27/08	Fri 5/2/08
140	Conduct 2Q08 Monitoring Event	5 days	Mon 5/5/08	Fri 5/9/08
141	Prepare and Submit 2Q08 Remedial Action Progress Report	58 days	Mon 5/12/08	Wed 7/30/08
142	Conduct 3Q08 Monitoring Event	5 days	Mon 8/4/08	Fri 8/8/08
143	Prepare and Submit 3Q08 Remedial Action Progress Report	59 days	Mon 8/11/08	Thu 10/30/08
144	Conduct 4Q08 Monitoring Event	5 days	Mon 11/10/08	Fri 11/14/08
145	Submit 4Q08 Remedial Action Progress Report	55 days	Mon 11/17/08	Fri 1/30/09
146	**WETLAND AREA [WHARTON ENTERPRISES] MONITORING AND REPORTING**	**676 days**	**Tue 5/30/06**	**Tue 12/30/08**
147	**2006 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**225 days**	**Tue 5/30/06**	**Mon 4/9/07**
153	**2007 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**158 days**	**Tue 5/15/07**	**Thu 12/20/07**
158	**2008 Wetland Monitoring, Invasive Species Control, Restoration & Reporting**	**167 days**	**Mon 5/12/08**	**Tue 12/30/08**
159	Spring 2008 Monitoring & Invasive Species Control Event	1 day	Mon 5/12/08	Mon 5/12/08
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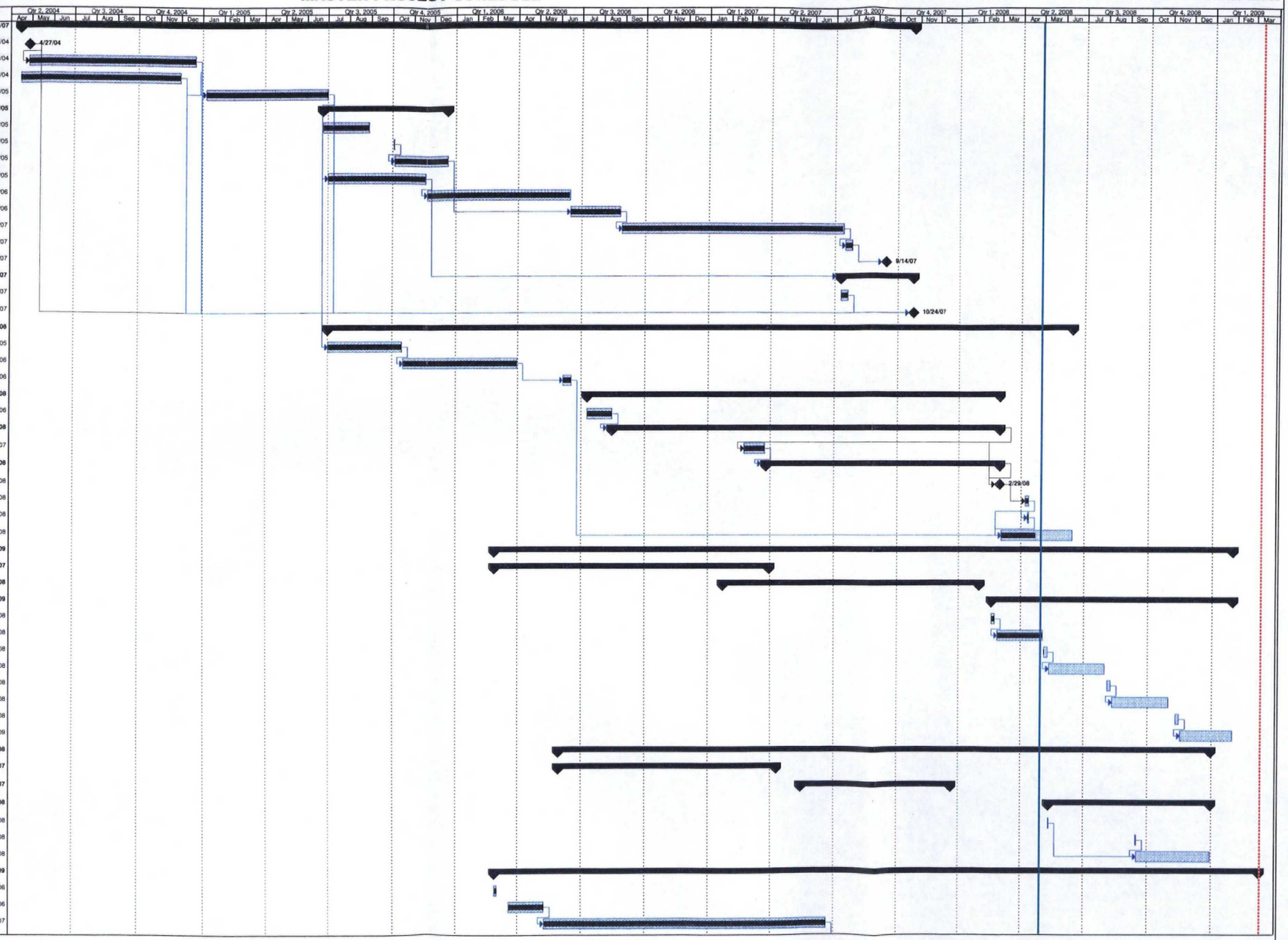
161	2007 Annual Wetland Monitoring Report Preparation and Submittal	76 days	Tue 9/16/08	Tue 12/30/08
162	**MW19/HOT SPOT 1 AREA**	**792 days**	**Mon 2/27/06**	**Tue 3/10/09**
163	MW19/Hot Spot 1 Soil Gas Investigation	4 days	Mon 2/27/06	Thu 3/2/06
[illegible]	Prepare and submit the MW19/Hot Spot 1 Soil Gas Investigation Report	37 days	Mon 3/20/06	Tue 5/9/06
165	Regulatory review and comment on MW19/Hot Spot 1 Soil Gas Investigation Report	291 days	Wed 5/10/06	Wed 6/20/07



Tue 4/29/08 | Task | Split | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Split | Rolled Up Milestone | Rolled Up Progress | External Tasks | Project Summary | External Milestone | Deadline

edays: elapsed days or calendar days

RMT Project No. 6527.24

Calander Years 2004 through 2008
Source Reduction Remedial Action Precontruction Permitting and RAWP Submittal through the Present

L. E. Carpenter & Company ~ Wharton NJ
MASTER PROJECT SCHEDULE

USEPA ID No. NJD002168748
1Q08 RAPR
Tue 4/29/08

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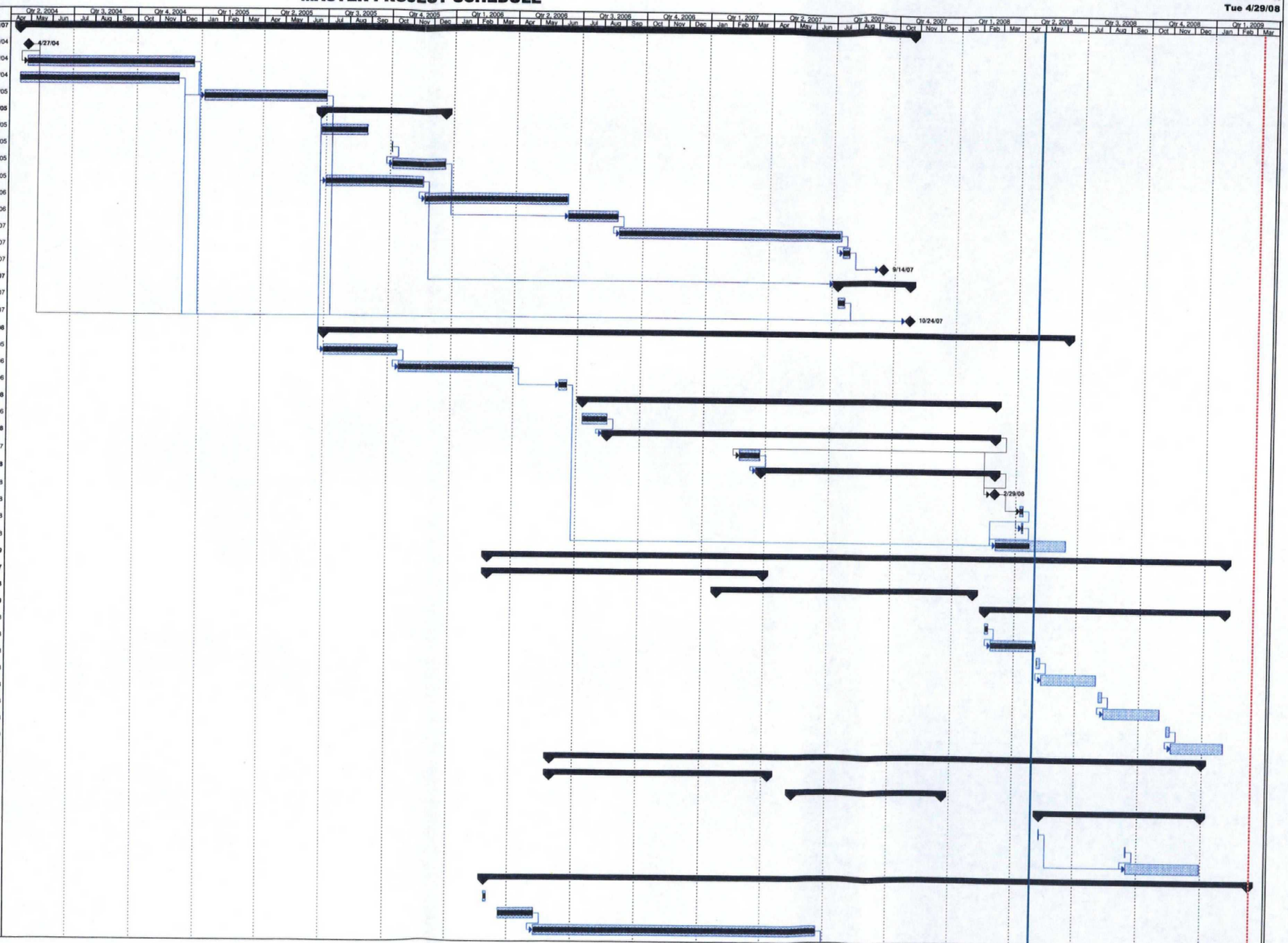


Tue 4/29/08

Task | Split | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Split | Rolled Up Milestone | Rolled Up Progress | External Tasks | Project Summary | External Milestone | Deadline

edays: elapsed days or calendar days

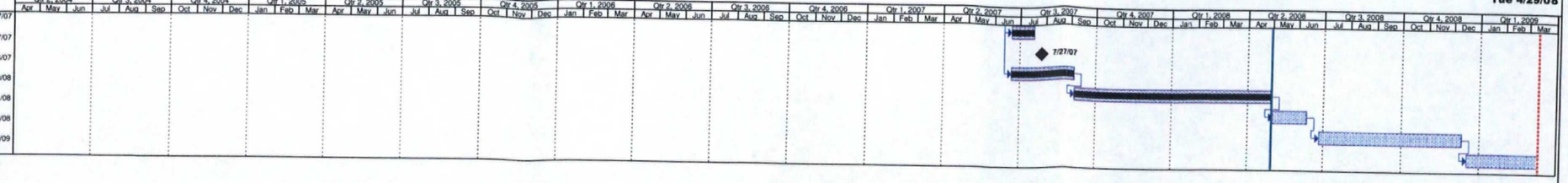
RMT Project No. 6527.24

Calander Years 2004 through 2008
Source Reduction Remedial Action Precontruction Permitting and RAWP Submittal through the Present

L. E. Carpenter & Company ~ Wharton NJ
MASTER PROJECT SCHEDULE

USEPA ID No. NJD002168748
1Q08 RAPR
Tue 4/29/08

ID		Task Name	Duration	Start	Finish
[illegible]		Prepare and Submit RMT Response Document [45-Day Extension Request] [MW-19/Hot Spot 1 Soil Gas Investigation Comments/NOD] dated June 20, 2007	19 days	Thu 6/21/07	Tue 7/17/07
167		Regulatory approval of the 45-Day RASR extension	0 days	Fri 7/27/07	Fri 7/27/07
168	✓	Evaluate Remedial Alternatives, Prepare and Submit the RASR	54 days	Thu 6/21/07	Tue 9/4/07
169	✓	NJDEP Review and Approval of the RASR	171 days	Wed 9/5/07	Wed 4/30/08
170		Respond to regulatory comments on RASR	30 days	Thu 5/1/08	Wed 6/11/08
171		Implement Approved Remedial Approach	120 days	Thu 6/26/08	Wed 12/10/08
172		Prepare and Submit the MW19/HS1 RAR	60 days	Wed 12/17/08	Tue 3/10/09



Tue 4/29/08

Task | Progress | Summary | Rolled Up Split | Rolled Up Progress | Project Summary | Deadline
Split | Milestone | Rolled Up Task | Rolled Up Milestone | External Tasks | External Milestone

edays: elapsed days or calendar days

RMT Project No. 6527.24

72 Encroachment Permit [SEP] Modification Application Preparation and Submittal to NJDEP LURP
n conversations, RMT decided to prepare the SEP permit modification application package wo LURP written notice of requirement and GP-14 deficiencies. Needed to get SEP mod into LURP system to avoid more extensive delays.

Appendix F
Well Installation Waiver and Approval

RMT

• ENVIRONMENT • ENERGY • ENGINEERING

March 18, 2008

Mr. Robert Papson
Bureau of Freshwater Fisheries
PO Box 394
Lebanon, NJ 08833

Subject: L.E. Carpenter & Company, Wharton Borough, Morris County, New Jersey
General Permit No. 14 [1439-04-0001.1 (FWW 060001)] [GP-14]
Well Installation, Construction, and Restoration Permit Waiver

Dear Mr. Papson:

As agreed during our conversation yesterday, RMT, Inc. (RMT), on behalf of our client L.E. Carpenter & Company (LEC), has prepared this letter to formally request a waiver from the requirements of **GP-14 Permit Special Condition No. 1 – Prohibition of construction activities between the dates of March 15 and June 15 to protect the trout stocked waters of the Rockaway River.** Specifically, RMT requests approval to install, construct, and restore the five (5) mounded groundwater monitoring wells as described in the GP-14 permit application dated August 15, 2006 [Revised March 22, 2007 and last Revised September 7, 2007] during the week of April 7, 2008.

Well installation, mound construction and restoration, and general disturbed area restoration, as outlined in the GP-14 permit application, are anticipated to take 1 week to complete. None of the wells proposed for installation are in either the banks or floodway of the Rockaway River. All wells are however within the 100-year floodplain. As such, RMT will install sediment and erosion controls [*i.e.*, silt fence] around the area of disturbance to prevent the potential introduction of sediment into the Rockaway River during the trout maintenance period.

RMT plans to utilize sonic drilling methods to install the wetland wells as site geology has been problematic during past drilling and boring activities. We have tentatively subcontracted Boart Longyear to mobilize their minisonic drill rig and crew to complete the investigative scopes of work. As such, your prompt attention to this matter would be greatly appreciated so the driller's schedule can be contractually locked down for the week of April 7th. Thanks in advance for your assistance in this matter.

I:\WPGRM\PJT\00-06527\30\L000652730-001.DOC

2025 E. Beltline Avenue SE, Suite 402 • Grand Rapids, MI 49546 • (616) 975-5415 • (616) 975-1098 FAX • www.rmtinc.com

If you have any questions regarding the contents of this letter or the GP-14 permit application please contact me at (616) 975-5415 Ext. 1405 at your convenience.

Sincerely,

RMT, Inc.

Nicholas J. Clevett
Senior Project Manager

Attachments NJDEP LURP GP-14 Permit

cc: Glenn Savary, NJDEP
Cristopher Anderson, LEC
Kelly Rice, JFNew
Central Files

received 2/29/08

JON S. CORZINE
Governor

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Land Use Regulation
P.O. Box 439, Trenton, New Jersey 08625
FAX # (609) 777-3656
Web Site: www.state.nj.us/dep/landuse

LISA P. JACKSON
Commissioner

NOV 16 2007

Mr. Nicholas Clevett
RMT, Inc., Michigan
2025 E. Beltline Avenue SE, Suite 402
Grand Rapids, MI 49546

RE: Authorization for Freshwater Wetlands Statewide General Permit No. 14
File No.: 1439-04-0001.1 (FWW 060001)
Applicant: L.E. Carpenter & Company
Block: 301; Lot: 1
Block: 703; Lot: 30
Wharton Borough, Morris County
Nearest Waterway: Rockaway River
Passaic River Basin

Dear Mr. Clevett:

The Land Use Regulation Program has reviewed the referenced application for a Statewide General Permit authorization pursuant to the requirements of the Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A. **The proposed activity is authorized by Statewide General Permit No. 14,** which authorizes the placement and use of the following in freshwater wetlands, transition areas, and State open waters: The drilling of monitoring wells, Water quality monitoring and testing devices and other devices,which are undertaken, authorized or otherwise expressly approved in writing by the Department of Environmental Protection (Department). THIS ISSUANCE OF THIS APPROVAL IS ONLY FOR THE PLACEMENT OF MONITORING WELLS (5) AND IN NO WAY CHANGES ANY OF THE CONDITIONS OF THE PREVIOUSLY ISSUED PERMIT(S), NOR DOES IT CHANGE THE LOCATION OR RESOURCE VALUE OF THE WETLANDS.

Limit of Authorized Disturbance

The drawings hereby approved are two (2) sheets prepared by RMT, Inc., dated March 22, 2007, last revised September 7, 2007, unless otherwise noted, entitled:

"L.E. CARPENTER STREAM ENCROACHMENT PERMIT MODIFICATION WHARTON NEW JERSEY"

Based on the approved plans, the authorized activity involves the disturbance of approximately 0.042 of an acre of freshwater wetlands for the placement of 5 monitoring wells. Any additional disturbance of freshwater wetlands, State open waters or transition areas besides that shown on the approved plans shall be considered a violation of the Freshwater Wetlands Protection Act

unless the activity is exempt or a permit is obtained prior to the start of the disturbance from the Division of Land Use Regulation.

Permit Conditions

The activities allowed by this authorization shall comply with the following conditions. Failure to comply with these conditions shall constitute a violation of the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.).

Special Conditions

1. In order to protect the trout maintenance and trout stocked waters of the Rockaway River, any proposed grading or construction activities within the banks of this river are prohibited between March 15 and June 15 of each year. In addition, any activity within the 100-year flood plain or flood hazard area of this watercourse which could introduce sediment into said stream or which could cause an increase in the natural level of turbidity is also prohibited during this period. The Department reserves the right to suspend all regulated activities on site should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition.

2. All backfill soils shall consist of clean, suitable material free from toxic pollutants in toxic amounts.

3. All conditions listed in the original permits will remain in effect including the original expiration date.

In addition to the above conditions and the conditions noted at N.J.A.C. 7:7A 4.3 and 5.4, the following general conditions must be met for the activity authorized under this Statewide General Permit:

General Conditions:

1. All fill and other earth work on the lands encompassed within this permit authorization shall be stabilized in accordance with "Standards for Soil Erosion and Sediment Control in New Jersey" to prevent eroded soil from entering adjacent waterways or wetlands at any time during and subsequent to construction.

2. This permit is revocable in accordance with DEP regulations and State law.

3. The issuance of this permit shall not be deemed to affect in any way other actions by the Department on any future application.

4. The activities shown on the approved plans shall be constructed and/or executed in conformity with any notes and details on said plans and any conditions stipulated herein.

5. No change in plans or specifications shall be made except with the prior written permission of the Department.

6. The granting of this authorization shall not be construed to in any way affect the title or ownership of the property, and shall not make the Department or the State a party in any suit or question of ownership of the property.

7. This permit is not valid and no work shall be undertaken pursuant to this authorization until all other required federal, state, and local approvals, licenses and permits necessary for commencement of work onsite have been obtained.

8. A complete, legible copy of this permit shall be kept at the work site and shall be exhibited upon request of any person.

9. The permittee shall allow the Program the right to inspect the construction site and also shall provide the Bureau of Coastal and Land Use Compliance and Enforcement, NJDEP, 401 East State Street, P.O. Box 422, Trenton, New Jersey 08625 with written notification 7 days prior to the start of the authorized work.

10. This authorization is valid for five years from the date of this letter unless more stringent standards are adopted by rule prior to this date.

Transition Area

The wetlands affected by this permit authorization are of Intermediate resource value. The wetland located associated with the drainage channel located along the eastern side of the site are classified as Ordinary resource value. No standard transition area is required adjacent to Ordinary resource value wetlands. The wetlands located on the adjacent Wharton Enterprise property are classified as Intermediate resource value and have a standard required transition area or buffer of 50 feet. In addition, all of the wetlands are classified as priority wetlands by the United States Environmental Protection Agency since they drain into the Passaic River Basin. This General Permit includes a transition area waiver that allows encroachment only in that portion of the transition area that has been determined by the Department to be necessary to accomplish the regulated activities. Any additional regulated activities conducted within the standard transition area shall require a separate transition area waiver from the Program. Regulated activities within a transition area are defined at N.J.A.C. 7:7A-2.6.

Consistency with the Areawide Water Quality Management Plan

This project has not been reviewed for consistency with the relevant Water Quality Management Plan or Statewide Water Quality Management Planning Rules (N.J.A.C. 7:15). As such, there is no intended or implied approval regarding additional permits which may be required from the Department. For treatment works approvals, the consistency determination will be performed by the Bureau of Engineering and Permitting (North/South) which may be contacted at (609) 292-6894 for North (Middlesex, Hunterdon and Counties north) or (609) 633-1139 for South (Mercer, Monmouth and Counties south). For general information concerning

the water quality management planning process, please contact the Division of Watershed Management at (609) 633-1179.

Appeal of Decision

In accordance with N.J.A.C. 7:7A-1.7, any person who is aggrieved by this decision may request a hearing within 30 days of the decision date by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, P.O. Box 402, Trenton NJ 08625. This request must include a completed copy of the Administrative Hearing Request Checklist.

If you have any questions regarding this authorization, please contact Anna Kitces of our staff at (609) 633-9277. Please reference the above file number.

Sincerely,

Virginia Kop'Kash, Supervisor
Division of Land Use Regulation

Attachments (map sketch, mitigation forms)
c. Gwen Zervis, Site Remediation Program
Jodale Legg, Land Use Regulation Program – Mitigation Unit
NJDEP File 1429-04-0001.1 FHA 040001 and FWW 040001 (FWW GP 4)
Bureau of Coastal and Land Use Compliance and Enforcement
Wharton Borough Clerk
Wharton Borough Construction Official
Wharton Borough Planning Board
Wharton Borough Environmental Commission

Sandy Gerber - Re: LE Carpenter General Permit No.@ 14[1439-04-0001.1@(FWW 060001)] [GP-14]

From: "Bob Papson"
To: "Nicholas Clevett"
Date: 3/25/2008 10:43 AM
Subject: Re: LE Carpenter General Permit No.@ 14[1439-04-0001.1@(FWW 060001)] [GP-14]
CC:

Mr.Clevett,

I have spoken to Anna from Land Use and by this letter we are granting a waiver for the time restriction period March 15 to June 15 for well installation,construction and restoration.

Bob Papson

----- Original Message -----
From: Nicholas Clevett
To: Robert Papson
Cc: Glenn Savary ; Kelly Rice ; Cristopher R. Anderson ; Eric Vincke ; Jennifer Overvoorde ; Jim Dexter
Sent: Tuesday, March 18, 2008 11:05 AM
Subject: LE Carpenter GP-14 Well Installation Waiver

Bob -

As we discussed yesterday, find attached a letter requesting a waiver from GP-14 Permit Special Condition #1. Specifically, we request approval to install the 5 mounded monitoring wells during the week on April 7, 2008.

Thanks in advance for your assistance. Please contact me with any questions or concerns.

Best Regards,
Nick

Nicholas J. Clevett, Sr. Project Manager & CSM | RMT | 2025 East Beltline Ave SE, Suite 402, Grand Rapids, MI 49546
Direct: 616.975.5415| Cell: 616.780.2398| Fax: 616.975.1098| CREATING BALANCE

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